CPC COOPERATIVE PATENT CLASSIFICATION

B PERFORMING OPERATIONS; TRANSPORTING

(NOTES omitted)

SHAPING

B32 LAYERED PRODUCTS

B32B LAYERED PRODUCTS, i.e. PRODUCTS BUILT-UP OF STRATA OF FLAT OR NON-FLAT, e.g. CELLULAR OR HONEYCOMB, FORM

NOTES

- 1. This subclass covers:
 - layered products comprising different kinds of material or layered products not characterised by the particular kind of material used;
 - a product similar to a layered product but comprising only material in the form of a sheet or network embedded in a mass of plastics or of physically-similar substances which mass penetrates the said sheet or network and lies on both sides of the latter (e.g. so that the sheet or network reinforces the plastics substance) PROVIDED THAT the embedded sheet or network extends coherently or connectedly over substantially the whole area of the product; thus the embedded sheet or network may be a fabric or a series of rods connected by cross wires. The manner of making such a product is, however, classified in this subclass only if it is essentially a process of building-up an assembly of layers of which at least one outer layer is preformed. If the embedded material comprises only a series of unconnected rods, the product is not classified in this subclass.

2. This subclass does not cover:

- processes or apparatus used in, or in connection with, the production or treatment of any product, if the process or apparatus is fully classifiable in a single other class or subclass for processes or apparatus, e.g. <u>B05</u>, <u>B29</u>, <u>B44D</u>, <u>C08J</u>, <u>C09J</u>, <u>C23</u>;
- compositions or preparation or treatment thereof, unless they are essentially restricted to layered products and cannot be fully classified in another class without ignoring this restriction;
- etched metallic pattern on the surface of a printed circuit board.

3. In this subclass:

- a film formed on a layer by spreading a substance thereon is not considered to constitute a layer itself if it serves only as an adhesive or its purpose is merely to finish a surface of a product
- {with exclusion to <u>B32B 15/01</u> <u>B32B 15/018</u>, a coating formed directly onto a substrate layer is not considered to constitute a layer when at the moment of its contact with the substrate it does not have the form of a layer with the exception of layers that come under the meaning of Note (4).}
- · {groups designating products cover also methods or apparatus specially adapted for producing such products.}
- 4. In this subclass, the following terms or expressions are used with the meanings indicated:
 - "layer" is a sheet or strip or anything else having a small thickness relatively to its other dimensions which, together with at least one other layer, exists in a product, whether it pre-existed, e.g. as a separate sheet or strip, or was formed during the production of the layered product{, e.g. formed in-situ as with casting, extrusion or moulding. It may be deformed out of the flat plane to form a three-dimensional shape}. It may or may not be homogeneous or cohesive; it may be an assembly of fibres or pieces of material. It may be discontinuous, e.g. in the form of a grating, honeycomb, or frame. It may or may not be in complete contact with the next layer, e.g. a corrugated layer against a flat layer;
 - "layered product" comprises at least two layers secured together. The term "secured" includes any method of uniting layers, e.g. needling, stitching, gluing, nailing, dovetailing or the interposition of an adhesive or adhesive impregnated support. It may also be an intermediate stage in the production of an article which is not layered in its final form, e.g. a panel with a protective layer {that} is stripped off when the panel is placed in its position of use. The layers are preformed layers or layers formed IN SITU on a preformed layer and may consist of coherent solid materials, including honeycombs and other cellular materials or of non-coherent solid materials composed of assemblies of strands, strips, fibres, tiles or the like;
 - "filamentary layer" means a layer of threads or filaments of any substance (e.g. wires) of more or less unlimited length placed in an orderly arrangement and secured together; it may be woven, knitted, braided, or netted, or formed of threads crossed or laid side by side and bonded together;
 - "fibrous layer" means a random assembly of fibres or filaments, usually of limited length, e.g. felt, fleece; the fibres {being} interengaged or connected, e.g. by adhesive.
- 5. If a layered product is characterised by the way it is produced and not by its structure or composition, the production method should be classified in groups <u>B32B 37/00</u> or <u>B32B 38/00</u>, or in subclass <u>B29C</u>, for example in groups <u>B29C 45/16</u> or <u>B29C 48/18</u>.
- 6. {In this subclass,}

B32B (continued)

1/00

3/04

3/06

3/08

3/14

- · The classification of layered products is provided for in many classes, most of which are confined to a particular kind of material. However, in order that this subclass may provide a basis for making a complete search with respect to layered products, all relevant subject matter is classified in this subclass even though it may also be classified in other classes.
- 7. {In groups B32B 37/00, B32B 38/00, B32B 41/00 and B32B 39/00, the following expressions are used with the meaning indicated:
 - "lay-up" is considered to be the action of combining separate layers, one on top of the other, in order to form a halfproduct for entering the laminating process
 - "laminating" means the action of combining previously unconnected but possibly laid up layers to become one product whose layers will remain together;
 - "partial laminating" occurs when one layer does not fully cover a surface of another layer, whereby the layer with the greater surface area is laminated on only part of its surface or when two coextensive layers are bonded on only part of their facing surfaces;
 - "adhesive" means a substance applied in any state or in any manner, which has bonding properties.}
- 8. {In this subclass, combination sets [C-Sets] are used. The detailed information about the C-Sets construction and the associated syntax rules are found in the definitions of B32B.}

WARNING

The following IPC groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups:

3/16

3/266

3/28

3/30

5/00

covered by	<u>B32B 3/266</u>
covered by	B32B 17/067
	*

	NOTE For classification of a product in this group, surface unevennesses or non-uniformities and the shape of individual layers are ignored.	3/18	 characterised by an internal layer formed of separate pieces of material {which are juxtaposed side-by-side (B32B 5/02 takes precedence)} of hollow pieces, e.g. tubes; of pieces with channels or cavities
1/08	Tubular products	3/22 3/26	of spaced pieces {(not used)}characterised by a particular shape of the outline
3/00	Layered products comprising a layer with external or internal discontinuities or unevennesses, or a layer of non-planar shape; Layered products comprising a layer having particular features of form		of the cross-section of a continuous layer; characterised by a layer with cavities or internal voids {(foam layer <u>B32B 5/18</u> ; layer of synthetic resin characterised by fillers that create voids or cavities <u>B32B 27/205</u>); characterised by an
3/02	 characterised by features of form at particular places, e.g. in edge regions {(non-uniform thickness) 	3/263	apertured layer}• {characterised by a layer having non-uniform

•	characterised by features of form at particular
	places, e.g. in edge regions {(non-uniform thickness
	<u>B32B 3/263</u>)}
	 characterised by {at least one} layer folded at

the edge, e.g. over another layer {; characterised by at least one layer enveloping or enclosing a

Layered products having a non-planar shape

- . . for securing layers together; for attaching the product to another member, e.g. to a support {, or to another product, e.g. groove/tongue,
- . . characterised by added members at particular parts {(layer formed of separate pieces of material which are juxtaposed side-by-side B32B 3/14, B32B 3/18)}
- 3/085 • • { spaced apart pieces on the surface of a layer } 3/10
 - . characterised by a discontinuous layer, i.e. formed of separate pieces of material

NOTE

In this group, a series of spaced separate elements forming in effect a broken surface should {not} be regarded as a layer.

- 3/12 . . characterised by a layer of regularly- arranged cells, e.g. a honeycomb structure
 - . . characterised by a face layer formed of separate pieces of material {which are juxtaposed side-byside (B32B 5/02 takes precedence)}

thickness}

. . . secured to a flexible backing

- • {characterised by an apertured layer, the apertures going through the whole thickness of the layer, e.g. expanded metal, perforated layer, slit layer regular cells <u>B32B 3/12</u>}
- . . characterised by a layer comprising a deformed thin sheet {, i.e. the layer having its entire thickness deformed out of the plane}, e.g. corrugated, crumpled (B32B 29/08 takes precedence)
- . . characterised by a layer formed with recesses or projections, e.g. {hollows, grooves, protuberances, ribs (apertured layer B32B 3/266; layer with cavities or internal voids B32B 3/26)

Layered products characterised by the nonhomogeneity or physical structure {, i.e. comprising a fibrous, filamentary, particulate or foam layer; Layered products characterised by having a layer differing constitutionally or physically in different parts}

5/02 5/10 . characterised by structural features of a {fibrous . . characterised by a fibrous {or filamentary} layer or filamentary} layer {(layer formed of metallic reinforced with filaments wires <u>B32B 15/02</u>; layer formed of natural mineral 5/12 characterised by the relative arrangement of fibres fibres B32B 19/02; layer formed of wood fibres or filaments of {different layers, e.g. the fibres or B32B 21/02)} filaments being parallel or perpendicular to each **NOTES** 5/14 . characterised by a layer differing constitutionally 1. This group covers, in addition to filamentary and or physically in different parts, e.g. denser near its fibrous layers as defined in Note (4) following faces the title of this subclass, layers of substances 5/142 • • {Variation across the area of the layer} having an intrinsic fibrous nature (e.g. paper, 5/145 • • {Variation across the thickness of the layer} wood), if the fibrous nature is important and the 5/147 • • {by treatment of the layer} particular substance is not important. 5/16 . characterised by features of a layer formed of 2. {When classifying in group B32B 5/02, the particles, e.g. chips, powder {or granules (layer chemical composition of the fibres is further formed of natural mineral particles B32B 19/00; classified by using the Indexing symbols layer being formed of wood fibres, chips or B32B 2262/00 - B32B 2262/16.} particles <u>B32B 21/02</u>)} 5/18 . characterised by features of a layer {of} foamed 5/022 • {Non-woven fabric} • • {Woven fabric} material 5/024 5/20 . . foamed in situ 5/026 . . {Knitted fabric} . characterised by the presence of two or more layers 5/22 5/028 . . {Net structure, e.g. spaced apart filaments bonded which {are next to each other and are fibrous, at the crossing points} filamentary, formed of particles or foamed (layer 5/04 . . characterised by a layer being specifically formed of natural mineral fibres or particles next extensible by reason of its structure or to a foam layer B32B 19/047, next to a layer arrangement {, e.g. by reason of the chemical made of particles <u>B32B 19/048</u>, or next to a nature of the fibres or filaments} fibrous or filamentary layer B32B 19/06; paper . . characterised by a fibrous {or filamentary} layer 5/06 layer or cardboard layer next to a paper layer or {mechanically connected, e.g. by needling} to cardboard layer B32B 29/005, next to a foam layer another layer, e.g. of fibres, of paper B32B 29/007, next to a fibrous or filamentary WARNING layer B32B 29/02, or next to a particulate layer B32B 29/04)} Group B32B 5/06 is impacted by 5/24 . . one layer being a fibrous or filamentary layer reclassification into groups B32B 5/067 and 5/245 • • { another layer next to it being a foam layer } B32B 5/073. 5/26 . . . another layer {next to it} also being fibrous or All groups listed in this Warning should be filamentary {(relative arrangement of fibres or considered in order to perform a complete filaments of different layers <u>B32B 5/12</u>)} search. WARNING 5/067 . . . {characterised by the fibrous or filamentary layer being mechanically connected by Group B32B 5/26 is impacted by reclassification into groups B32B 5/262, hydroentangling} B32B 5/263, B32B 5/265, B32B 5/266, WARNING B32B 5/267, B32B 5/268, B32B 5/269, B32B 5/271, B32B 5/273, B32B 5/275, Group B32B 5/067 is incomplete pending reclassification of documents from group B32B 5/277, B32B 5/279 and B32B 5/2795. B32B 5/06. All groups listed in this Warning should be All groups listed in this Warning should be considered in order to perform a complete considered in order to perform a complete search. 5/262 {characterised by one fibrous or filamentary • • • {characterised by the fibrous or filamentary 5/073 layer being a woven fabric layer} layer being mechanically connected to another **WARNING** layer by sewing, stitching, hook-and-loop Groups <u>B32B 5/262</u> and <u>B32B 5/263</u> are fastening or stitchbonding} incomplete pending reclassification of WARNING documents from group B32B 5/26. Group B32B 5/073 is incomplete pending Groups B32B 5/26, B32B 5/262 and reclassification of documents from group B32B 5/263 should be considered in order B32B 5/06. to perform a complete search. All groups listed in this Warning should be 5/263 • • • • {next to one or more woven fabric layers} considered in order to perform a complete search. 5/08 . . the fibres or filaments of a layer being of different substances {, e.g. conjugate fibres, mixture of different fibres}

5/265	• • • • {characterised by one fibrous or filamentary layer being a non-woven fabric layer}	5/30	• • one layer {being formed of particles, e.g. chips,} granules, powder
	WARNING	5/32	 {at least two} layers being foamed {and next to each other}
	Groups B32B 5/265, B32B 5/266, B32B 5/267, B32B 5/268, B32B 5/269, B32B 5/271 and B32B 5/273 are incomplete pending reclassification of documents from group B32B 5/26. All groups listed in this Warning should be considered in order to perform a complete search.	7/00	Layered products characterised by the relation between layers; Layered products characterised by the relative orientation of features between layers, or by the relative values of a measurable parameter between layers, i.e. products comprising layers having different physical, chemical or physicochemical properties; Layered products characterised by the interconnection of layers
5/266	• • • • {next to one or more non-woven fabric layers}	7/02 7/022	 Physical, chemical or physicochemical properties Mechanical properties
5/267	• • • • {characterised by at least one non-	7/022	Optical properties
3/207	woven fabric layer that is a spunbonded	7/025	Electric or magnetic properties
	fabric}	7/027	. Thermal properties
5/268	{characterised by at least one non-	7/028	Heat-shrinkability
	woven fabric layer that is a melt-blown fabric}	7/03	• with respect to the orientation of features (direction of fibres or filaments <u>B32B 5/12</u>)
5/269	{characterised by at least one non- woven fabric layer that is a melt-	7/035	using arrangements of stretched films, e.g. of mono-axially stretched films arranged alternately
	blown fabric next to a non-woven	7/04	Interconnection of layers
	fabric layer that is a spunbonded	7/05	the layers not being connected over the
5/271	fabric } {characterised by separate non-woven fabric layers that comprise chemically	7703	whole surface, e.g. discontinuous connection or patterned connection (using interposed adhesives or bonding materials applied in spaced
5/07/2	different strands or fibre material}		arrangements <u>B32B 7/14</u>)
5/273	• • • • {including a separate net structure layer}	7/06	 permitting easy separation
5/275	 {characterised by one woven fabric layer next to a non-woven fabric layer} 	7/08	by mechanical means
		7/09	• • by stitching, needling or sewing (by
	WARNING		{mechanically connecting} fibrous layers {to another layer} B32B 5/06)
	Groups <u>B32B 5/275</u> and <u>B32B 5/277</u> are	7/10	at least one layer having inter-reactive properties
	incomplete pending reclassification of documents from group B32B 5/26.	7/12	using interposed adhesives or interposed materials
	Groups <u>B32B 5/26</u> , <u>B32B 5/275</u> and	7/14	with bonding properties
	B32B 5/277 should be considered in order to perform a complete search.	7/14	applied in spaced arrangements, e.g. in stripes
5/077			ducts characterised by particular substances used
5/277	• • • • {including an additional non-woven fabric layer}	NOTE In groups	B32B 9/00 - B32B 29/00, the following expressions are
5/279	• • • {characterised by a knit fabric layer next to a non-woven fabric layer}	used with	the meanings indicated:
	<u>WARNING</u>		Fig. substance" covers specified alternative substances if the all covered by a single main group;
			ulate layer" means a layer of particles, e.g. chips,
	Group <u>B32B 5/279</u> is incomplete pending reclassification of documents from group		ed fibres, powder;
	B32B 5/26.		ntially" means that if an alteration or removal of such a
	Groups <u>B32B 5/26</u> and <u>B32B 5/279</u>	layer o	occurred it would alter the scope of the invention}
	should be considered in order to perform a complete search.	9/00	Layered products comprising a {layer of a} particular substance not covered by groups
5/2795	{characterised by a knit fabric layer next to a	9/002	<u>B32B 11/00</u> - <u>B32B 29/00</u>
	woven fabric layer}	9/002	{comprising natural stone or artificial stone}{comprising one layer of ceramic material, e.g.
	<u>WARNING</u>	9/003	porcelain, ceramic tile (layered products with
	Group <u>B32B 5/2795</u> is incomplete		at least two ceramic layers composed mainly of ceramic <u>B32B 18/00</u>)}
	pending reclassification of documents from group <u>B32B 5/26</u> .	9/007	• • {comprising carbon, e.g. graphite, composite
	Groups <u>B32B 5/26</u> and <u>B32B 5/2795</u>	0/02	carbon}
	should be considered in order to perform a complete search.	9/02	 comprising animal or vegetable substances {, e.g. cork, bamboo, starch}
	a complete scarcii.	9/025	• • {comprising leather}
5/28	• • • impregnated with or embedded in a plastic substance {(not used)}		

9/04	 comprising such {particular} substance as the main or only constituent of a layer, {which is} next to another layer of {the same or of} a {different material (next to a glass layer <u>B32B 17/06</u>; layered 	15/016 15/017	 • {all layers being formed of aluminium or aluminium alloys} • {one layer being formed of aluminium or an aluminium alloy, another layer being formed of
	products with at least two ceramic layers composed mainly of ceramic <u>B32B 18/00</u>)}		an alloy based on a non ferrous metal other than aluminium}
9/041 9/042	• • {of metal}	15/018	{one layer being formed of a noble metal or a
9/042	. {of wood}. {of natural rubber or synthetic rubber}	15/02	noble metal alloy } • {Layer formed of wires, e.g. mesh}
9/045	• {of synthetic resin}	15/02	 Cayer formed of wires, e.g. mesn; comprising metal as the main or only constituent
9/046	(((()	13/04	of a layer, {which is} next to another layer of
9/047			{the same or of} a {different material (next to a
9/048	 {made of fibres or filaments} {made of particles}		bituminous or tarry layer B32B 11/08; next to a
9/06	of paper or cardboard		water-setting substance layer <u>B32B 13/06</u> ; next to a glass layer <u>B32B 17/061</u> ; next to a cellulosic plastic
11/00	Layered products comprising {a layer of}		layer <u>B32B 23/042</u>)}
11/02	bituminous or tarry substances	15/043	• • {of metal ($\underline{B32B 15/01}$ takes precedence)}
11/02	• with fibres or particles {being present as additives in	15/046	• • {of foam}
11/04	the layer}	15/06	• of {natural rubber or synthetic} rubber
11/04	 comprising such {bituminous or tarry} substance as the main or only constituent of a layer, {which is} 	15/08	• of synthetic resin
	next to another layer of {the same or of} a {different	15/082	 comprising vinyl resins; comprising acrylic resins
11/040	material (next to a glass layer <u>B32B 17/06</u>)}	15/085	comprising polyolefins
11/042	• • {of wood}	15/088	comprising polyamides
11/044	• • {of natural rubber or synthetic rubber}	15/09	comprising polyesters
11/046	• • {of synthetic resin}	15/092	comprising epoxy resins
11/048	{of foam}	15/095	comprising polyurethanes
11/06	• of paper or cardboard	15/098	• • comprising condensation resins of aldehydes,
11/08	• of metal		e.g. with phenols, ureas or melamines
11/10	• next to a fibrous or filamentary layer	15/10	of wood
11/12	next to a particulate layer	15/12	of paper or cardboard
13/00	Layered products comprising a {a layer of} water-	15/14	 next to a fibrous or filamentary layer
	setting substance, e.g. concrete, plaster, asbestos	15/16	 next to a particulate layer
	cement, or like builders' material	15/18	• comprising iron or steel {(<u>B32B 15/011</u> ,
13/02	 with fibres or particles {being present as additives in 	1.7.400	<u>B32B 15/012</u> and <u>B32B 15/013</u> take precedence)}
13/04	the layer} comprising such {water setting} substance as the	15/20	 comprising aluminium or copper {(<u>B32B 15/016</u>) and <u>B32B 15/017</u> take precedence)}
	main or only constituent of a layer, {which is} next	17/00	Layered products essentially comprising sheet
	to another layer of {the same or of} a {different	17700	glass, or glass, slag, or like fibres
	material (next to a glass layer <u>B32B 17/06</u>)}		
13/042	• • {of natural rubber or synthetic rubber}		NOTE
13/045	• • {of foam}		{In this group, a layer of organic glass is not
13/047	• • {made of particles}		considered as a glass layer but as a synthetic resin
13/06	of metal		layer.}
13/08	• of paper or cardboard	17/02	• in the form of fibres or filaments
13/10	• of wood; of wood particle board	17/04	 bonded with or embedded in a plastic substance
13/12	of synthetic resin	17/06	• comprising glass as the main or only constituent of a
13/14	next to a fibrous or filamentary layer		layer, next to another layer of a specific {material}
15/00	Layered products comprising {a layer of} metal	17/061	• {of metal}
15/01	 all layers being exclusively metallic {(making layered metal workpieces by pressure cladding 	17/062	• {of wood}
	B23K 20/22; making coatings with a metallic	17/063	• • {of rubber}
	material characterised by its composition	17/065	• { of paper or cardboard }
	C23C 30/00)}	17/066	• { of foam }
15/011	• • {all layers being formed of iron alloys or steels}	17/067 17/068	 { of fibres or filaments } { of particles }
15/012	• • {one layer being formed of an iron alloy or steel,		
	another layer being formed of aluminium or an aluminium alloy}	17/069	• • {of intumescent material (<u>B32B 17/10311</u> takes precedence)}
15/013	• • {one layer being formed of an iron alloy or steel,	17/08	• of cellulosic plastic substance {or gelatin}
13,013	another layer being formed of a metal other than iron or aluminium}	17/10	• of synthetic resin
15/015	• • • {the said other metal being copper or nickel or		
,, 	an alloy thereof}		

17/10005	• • {laminated safety glass or glazing}	17/10321 {Laminated safety glass or glazing
	NOTE	containing liquid layers}
		17/1033 {Laminated safety glass or glazing
	{In this group, C-Sets are used. The detailed information about the C-Sets construction	containing temporary protective coatings
	and the associated syntax rules is present in	or layers}
	the Definitions of B32B.}	17/10339 {Specific parts of the laminated safety glass or glazing being colored or tinted
		(tinted glass sheet <u>B32B 17/1011</u> ; tinted
17/10009	{characterized by the number, the	interlayer <u>B32B 17/10651</u>)
17/10010	constitution or treatment of glass sheets}	17/10348 {comprising an obscuration band}
	• • • • {comprising only one glass sheet}	17/10357 {comprising a tinted intermediate film}
17/10027	{the glass sheet not being an outer layer}	17/10366 {Reinforcements of the laminated
17/10036	• • • • {comprising two outer glass sheets}	safety glass or glazing against impact
	• • • • {with at least one intermediate layer	or intrusion (containing metal wires for
	consisting of a glass sheet}	reinforcement <u>B32B 17/10412</u>)}
17/10055	{ with at least one intermediate air	17/10376 {Laminated safety glass or glazing containing metal wires}
	space}	17/10385 {for ohmic resistance heating}
17/10064	• • • • {comprising at least two glass sheets, only	17/10394 {Alarm wires}
	one of which being an outer layer}	17/10403 {for radiation shielding}
17/10073	• • • • {comprising at least two glass sheets,	17/10412 {for reinforcement}
17/10002	neither of which being an outer layer}	17/10422 {for aesthetic reasons}
17/10082	 {Properties of the bulk of a glass sheet} {thermally hardened}	17/10431 {Specific parts for the modulation of light
17/10091	{ fuermany nardened} { having a predetermined coefficient of	incorporated into the laminated safety
17/101	thermal expansion [CTE]}	glass or glazing}
17/1011	• • • • • {having predetermined tint or excitation	17/1044 {Invariable transmission}
	purity}	17/10449 {Wavelength selective transmission}
17/10119	{having a composition deviating from	17/10458 {Polarization selective transmission}
	the basic composition of soda-lime	17/10467 {Variable transmission}
	glass, e.g. borosilicate}	17/10477 {thermochromic}
	{Treatment of at least one glass sheet}	17/10486 {photochromic}
	{Chemical strengthening}	17/10495 {optoelectronic, i.e. optical valve} 17/10504 {Liquid crystal layer}
17/10146	• • • • {Face treatment, e.g. etching, grinding or sand blasting}	17/10504 {Liquid crystal layer} 17/10513 {Electrochromic layer}
17/10155	or sand diasting} {Edge treatment or chamfering}	17/10522 {Electrochronic layer}
	• • • • {Euge treatment of channering} • • • • {Functional features of the laminated safety	17/10532 {Suspended particle layer}
17/10103	glass or glazing}	17/10541 {comprising a light source or a light
17/10174	• • • • {Coatings of a metallic or dielectric	guide}
	material on a constituent layer of glass or	17/1055 {characterized by the resin layer, i.e.
	polymer}	interlayer}
17/10183	• • • • {being not continuous, e.g. in edge	17/10559 {Shape of the cross-section}
	regions}	17/10568 {varying in thickness}
17/10192	• • • • • • • • • • • • • • • • • • •	17/10577 {Surface roughness}
17/10201	grids} {Dielectric coatings}	17/10587 {created by embossing}
17/10201	{Dielectric coatnigs} {Doped dielectric layer, electrically	17/10596 {created by melt fracture}
17/10/11	conductive, e.g. SnO ₂ :F}	17/10605 {Type of plasticiser} 17/10614 {comprising particles for purposes other
17/1022	• • • • • {Metallic coatings}	than dyeing}
	{Metallic layers sandwiched by	17/10623 {Whitening agents reflecting visible
	dielectric layers}	light}
17/10238	• • • • {in the form of particles}	17/10633 {Infrared radiation absorbing or
17/10247	{Laminated safety glass or glazing	reflecting agents}
	containing decorations or patterns for	17/10642 {Thermally conductive agents}
	aesthetic reasons (containing metal wires	17/10651 (comprising colorants, e.g. dyes or
17/10256	for aesthetic reasons <u>B32B 17/10422</u>)}	pigments}
	 {created by printing techniques} {on glass pane}	17/1066 {imparting a tint in certain regions only,
	{on grass pane} {on interlayer}	i.e. shade band}
	{on international layer}	17/10669 {Luminescent agents} 17/10678 {comprising UV absorbers or stabilizers,
	{Edge features, e.g. inserts or holes}	e.g. antioxidants}
	{Edge sealing}	17/10688 {Adjustment of the adherence to the glass
	{Intumescent layers for fire protection}	layers}
		17/10697 {being cross-linked}

17/10706	• • • • {being photo-polymerized}	19/041	• • {of metal}
17/10715	{containing polyether}	19/042	• • {of wood}
	{containing polyamide}	19/043	• • {of natural rubber or synthetic rubber}
17/10733		19/045	• • {of synthetic resin}
	{containing acrylate (co)polymers or salts	19/046	{of paper or cardboard}
	thereof}	19/047	• • {of foam}
17/10752	{containing polycarbonate}	19/048	• {made of particles}
	{containing vinyl acetal}	19/06	 next to a fibrous or filamentary layer
17/1077	{containing vinyr dectar}		
17/1077		19/08	 comprising asbestos
		21/00	Layered products comprising {a layer of} wood,
17/10788	,		e.g. wood board, veneer, wood particle board
17/10798	ζ ,	21/02	• {the layer being formed} of fibres, chips, or
17/10807			particles {, e.g. MDF, HDF, OSB, chipboard,
15/10016	Apparatus therefor}		particle board, hardboard}
	• • • • {by pressing}	21/04	 comprising wood as the main or only constituent
17/10825	• • • • • {Isostatic pressing, i.e. using non rigid		of a layer, {which is} next to another layer of {the
	pressure-exerting members against rigid		same or of a {different material (next to a layer
	parts}		of a particular substance B32B 9/042; next to a
17/10834	`		bituminous or tarry layer B32B 11/042; next to a
17/10844	5 · · · · · · · (5 · · · · · · · · · · · · · · · · ·		water setting substance layer <u>B32B 13/10</u> ; next
	layered product and the fluid}		to a metal layer <u>B32B 15/10</u> ; next to a glass layer
17/10853	(8		B32B 17/062; next to a layer formed of natural
	shaped}		mineral fibres or particles <u>B32B 19/042</u> ; next to a
17/10862	(21 2)		cellulosic plastic layer <u>B32B 23/044</u>)}
17/10871	• • • • • {in combination with particular heat	21/042	• • {of wood ($\underline{B32B} \ 21/13$ takes precedence)}
	treatment}	21/045	• • {of natural rubber or synthetic rubber}
17/1088	• • • • {by superposing a plurality of layered	21/047	• • {of foam}
	products}	21/06	of paper or cardboard
17/10889	(1 6 , 6 5 6	21/08	of synthetic resin
	$(\underline{B32B} \ 17/10816 \text{ takes precedence})$	21/10	 Next to a fibrous or filamentary layer
17/10899	()	21/12	 next to a particulate layer
	resin}	21/13	. all layers being exclusively wood
17/10908	• • • • • {in liquid form}	21/14	comprising wood board or veneer
17/10917	• • • • • • {between two pre-positioned glass		•
	layers}	23/00	Layered products comprising {a layer of} cellulosic
17/10926	() 1) ()		plastic substances {, i.e. substances obtained by
17/10935	• • • • • { as a preformed layer, e.g. formed by		chemical modification of cellulose, e.g. cellulose
	extrusion}	22/02	ethers, cellulose esters, viscose}
	• • • • • {in powder form}	23/02	• in the form of fibres or filaments {(not used)}
17/10954	• • • • • {by using an aligning laminating	23/04	• comprising such {cellulosic plastic} substance as
	device}		the main or only constituent of a layer, {which is}
17/10963	• • • • { specially adapted for repairing the		next to another layer of {the same or of} a {different
	layered products}	22/042	material (next to a glass layer <u>B32B 17/08</u>)}
17/10972	• • • • {Degassing during the lamination	23/042	• • {of metal}
	$(B32B 17/10816 $ takes precedence)}	23/044	• • {of wood}
17/10981	• ,	23/046	• • {of natural rubber or synthetic rubber}
17/1099	• • • • {After-treatment of the layered product,	23/048	• • {of foam}
	e.g. cooling}	23/06	of paper or cardboard
		23/08	• of synthetic resin
10/110	I around products assentially somei-i		
18/00	Layered products essentially comprising ceramics,	23/10	 next to a fibrous or filamentary layer
18/00	e.g. refractory products	23/12	next to a particulate layer
18/00	• • • • • •		
18/00	e.g. refractory products NOTE	23/12	next to a particulate layer
18/00	e.g. refractory products NOTE {In group B32B 18/00, features relating to	23/12	 next to a particulate layer characterised by containing special compounding
18/00	e.g. refractory products NOTE {In group B32B 18/00, features relating to interlayers, additional compositional information	23/12 23/14	 next to a particulate layer characterised by containing special compounding ingredients
18/00	e.g. refractory products NOTE {In group B32B 18/00, features relating to	23/12 23/14 23/16	 next to a particulate layer characterised by containing special compounding ingredients Modifying agents
	e.g. refractory products NOTE {In group B32B 18/00, features relating to interlayers, additional compositional information or further processing are indexed with symbols chosen from C04B 2237/00 - C04B 2237/88}	23/12 23/14 23/16 23/18	 next to a particulate layer characterised by containing special compounding ingredients Modifying agents Fillers
19/00	e.g. refractory products NOTE {In group B32B 18/00, features relating to interlayers, additional compositional information or further processing are indexed with symbols chosen from C04B 2237/00 - C04B 2237/88} Layered products comprising {a layer of} natural	23/12 23/14 23/16 23/18 23/20 23/22	 next to a particulate layer characterised by containing special compounding ingredients Modifying agents Fillers comprising esters comprising ethers
19/00	e.g. refractory products NOTE {In group B32B 18/00, features relating to interlayers, additional compositional information or further processing are indexed with symbols chosen from C04B 2237/00 - C04B 2237/88} Layered products comprising {a layer of} natural mineral fibres or particles, e.g. asbestos, mica	23/12 23/14 23/16 23/18 23/20	 next to a particulate layer characterised by containing special compounding ingredients Modifying agents Fillers comprising esters comprising ethers Layered products comprising {a layer of} natural
	e.g. refractory products NOTE {In group B32B 18/00, features relating to interlayers, additional compositional information or further processing are indexed with symbols chosen from C04B 2237/00 - C04B 2237/88} Layered products comprising {a layer of} natural mineral fibres or particles, e.g. asbestos, mica . {the layer of fibres or particles being impregnated	23/12 23/14 23/16 23/18 23/20 23/22	 next to a particulate layer characterised by containing special compounding ingredients Modifying agents Fillers comprising esters comprising ethers Layered products comprising {a layer of} natural or synthetic rubber {(fibrous or filamentary layer
19/00 19/02	e.g. refractory products NOTE {In group B32B 18/00, features relating to interlayers, additional compositional information or further processing are indexed with symbols chosen from C04B 2237/00 - C04B 2237/88} Layered products comprising {a layer of} natural mineral fibres or particles, e.g. asbestos, mica . {the layer of fibres or particles being impregnated or} embedded in a plastic substance	23/12 23/14 23/16 23/18 23/20 23/22	 next to a particulate layer characterised by containing special compounding ingredients Modifying agents Fillers comprising esters comprising ethers Layered products comprising {a layer of} natural or synthetic rubber {(fibrous or filamentary layer made of a natural or synthetic rubber B32B 5/02;
19/00	e.g. refractory products NOTE {In group B32B 18/00, features relating to interlayers, additional compositional information or further processing are indexed with symbols chosen from C04B 2237/00 - C04B 2237/88} Layered products comprising {a layer of} natural mineral fibres or particles, e.g. asbestos, mica . {the layer of fibres or particles being impregnated	23/12 23/14 23/16 23/18 23/20 23/22	 next to a particulate layer characterised by containing special compounding ingredients Modifying agents Fillers comprising esters comprising ethers Layered products comprising {a layer of} natural or synthetic rubber {(fibrous or filamentary layer

material (next to a glass layer <u>B32B 17/067</u>)}

synthetic rubber <u>B32B 5/18</u>)}

25/02	with fibros or partialos (baing present as additives in	27/26	ucing curing agents
25/02	 with fibres or particles {being present as additives in the layer} 		. using curing agents
25/04	• comprising rubber as the main or only constituent	27/28	 comprising synthetic resins not wholly covered by any one of the sub-groups
23/04	of a layer, {which is} next to another layer of {the		$\{B32B\ 27/30 - B32B\ 27/42\}$
	same or of a { different material (next to a layer	27/281	• • {comprising polyimides}
	of a particular substance <u>B32B 9/043</u> ; next to a	27/283	(comprising polysiloxanes)
	bituminous or tarry layer <u>B32B 11/044</u> ; next to a	27/285	• {comprising polyshoxanes} • {comprising polyethers}
	water setting substance layer <u>B32B 13/042</u> ; next	27/286	 {comprising polyeulers} {comprising polysulphones; polysulfides}
	to a metal layer <u>B32B 15/06</u> ; next to a glass layer	27/288	
	B32B 17/063; next to a layer formed of natural	27/30	. {comprising polyketones}. comprising vinyl {(co)polymers; comprising acrylic
	mineral fibres or particles <u>B32B 19/043</u> ; next to a	21/30	(co)polymers}
	wood layer <u>B32B 21/045</u> ; next to a cellulosic plastic	27/302	• • {comprising aromatic vinyl (co)polymers, e.g.
	layer <u>B32B 23/046</u>)}	21/302	styrenic (co)polymers}
25/042	• • {of natural rubber or synthetic rubber}	27/304	• • {comprising vinyl halide (co)polymers, e.g. PVC,
25/045	• • {of foam}	27750.	PVDC, PVF, PVDF}
25/047	• • {of particles}	27/306	• • {comprising vinyl acetate or vinyl alcohol
25/06	of paper or cardboard		(co)polymers}
25/08	of synthetic resin	27/308	• • {comprising acrylic (co)polymers}
25/10	 next to a fibrous or filamentary layer 	27/32	 comprising polyolefins {(comprising vinyl)
25/12	 comprising natural rubber 		(co)polymers or acrylic (co)polymers <u>B32B 27/30</u>)}
25/14	comprising {synthetic rubber copolymers	27/322	• • {comprising halogenated polyolefins, e.g. PTFE}
	(<u>B32B 25/18</u> and <u>B32B 25/20</u> take precedence)}	27/325	• • {comprising polycycloolefins}
25/16	• comprising polydienes {homopolymers} or poly-	27/327	• • {comprising polyolefins obtained by a
	halodienes {homopolymers (<u>B32B 25/12</u> takes		metallocene or single-site catalyst}
27/10	precedence)}	27/34	 comprising polyamides
25/18	• comprising butyl or halobutyl rubber	27/36	comprising polyesters
25/20	comprising silicone rubber	27/365	• • {comprising polycarbonates}
27/00	Layered products comprising {a layer of} synthetic	27/38	 comprising epoxy resins
	resin {(fibrous or filamentary layer made of a	27/40	 comprising polyurethanes
	synthetic resin <u>B32B 5/02</u> ; particulate layer made of	27/42	 comprising condensation resins of aldehydes, e.g.
	a synthetic resin <u>B32B 5/16</u> ; foamed layer made of a		with phenols, ureas or melamines
	4 DOOD ((40))		
	synthetic resin <u>B32B 5/18</u>)}	20/00	Layared products comprising (a layar of) paper or
	synthetic resin <u>B32B 5/18</u>)} <u>NOTE</u>	29/00	Layered products comprising {a layer of} paper or cardboard
	NOTE		cardboard
	NOTE This group covers all synthetic resins except those	29/00 29/002	cardboard {as the main or only constituent of a layer, which
	NOTE This group <u>covers</u> all synthetic resins except those covered by <u>B32B 25/00</u> or <u>B32B 23/00</u>		cardboard {as the main or only constituent of a layer, which is next to another layer of the same or of a different
27/02	NOTE This group covers all synthetic resins except those covered by B32B 25/00 or B32B 23/00 in the form of fibres or filaments {(not used)}		cardboard {as the main or only constituent of a layer, which
27/02 27/04	NOTE This group <u>covers</u> all synthetic resins except those covered by <u>B32B 25/00</u> or <u>B32B 23/00</u>		cardboard • {as the main or only constituent of a layer, which is next to another layer of the same or of a different material (next to a layer of a particular substance B32B 9/06; next to a bituminous or tarry layer B32B 11/06; next to a water-setting substance layer
27/04	NOTE This group covers all synthetic resins except those covered by B32B 25/00 or B32B 23/00 in the form of fibres or filaments {(not used)}		cardboard • {as the main or only constituent of a layer, which is next to another layer of the same or of a different material (next to a layer of a particular substance B32B 9/06; next to a bituminous or tarry layer B32B 11/06; next to a water-setting substance layer B32B 13/08; next to a metal layer B32B 15/12;
	NOTE This group covers all synthetic resins except those covered by B32B 25/00 or B32B 23/00 in the form of fibres or filaments {(not used)} as impregnant, bonding, or embedding substance {(not used)} as the main or only constituent of a layer, {which		cardboard • {as the main or only constituent of a layer, which is next to another layer of the same or of a different material (next to a layer of a particular substance B32B 9/06; next to a bituminous or tarry layer B32B 11/06; next to a water-setting substance layer B32B 13/08; next to a metal layer B32B 15/12; next to a glass layer B32B 17/065; next to a layer
27/04	NOTE This group covers all synthetic resins except those covered by B32B 25/00 or B32B 23/00 in the form of fibres or filaments {(not used)} as impregnant, bonding, or embedding substance {(not used)} as the main or only constituent of a layer, {which is} next to another layer of {the same or of} a		cardboard • {as the main or only constituent of a layer, which is next to another layer of the same or of a different material (next to a layer of a particular substance B32B 9/06; next to a bituminous or tarry layer B32B 11/06; next to a water-setting substance layer B32B 13/08; next to a metal layer B32B 15/12; next to a glass layer B32B 17/065; next to a layer formed of natural mineral fibres or particles
27/04	NOTE This group covers all synthetic resins except those covered by B32B 25/00 or B32B 23/00 in the form of fibres or filaments {(not used)} as impregnant, bonding, or embedding substance {(not used)} as the main or only constituent of a layer, {which is} next to another layer of {the same or of} a {different material (next to a layer of a particular		cardboard • {as the main or only constituent of a layer, which is next to another layer of the same or of a different material (next to a layer of a particular substance B32B 9/06; next to a bituminous or tarry layer B32B 11/06; next to a water-setting substance layer B32B 13/08; next to a metal layer B32B 15/12; next to a glass layer B32B 17/065; next to a layer formed of natural mineral fibres or particles B32B 19/046; next to a wood layer B32B 21/06;
27/04	NOTE This group covers all synthetic resins except those covered by B32B 25/00 or B32B 23/00 in the form of fibres or filaments {(not used)} as impregnant, bonding, or embedding substance {(not used)} as the main or only constituent of a layer, {which is} next to another layer of {the same or of} a {different material (next to a layer of a particular substance B32B 9/045; next to a bituminous or		cardboard • {as the main or only constituent of a layer, which is next to another layer of the same or of a different material (next to a layer of a particular substance B32B 9/06; next to a bituminous or tarry layer B32B 11/06; next to a water-setting substance layer B32B 13/08; next to a metal layer B32B 15/12; next to a glass layer B32B 17/065; next to a layer formed of natural mineral fibres or particles B32B 19/046; next to a wood layer B32B 21/06; next to a cellulosic plastic layer B32B 23/06; next to
27/04	NOTE This group covers all synthetic resins except those covered by B32B 25/00 or B32B 23/00 in the form of fibres or filaments {(not used)} as impregnant, bonding, or embedding substance {(not used)} as the main or only constituent of a layer, {which is} next to another layer of {the same or of} a {different material (next to a layer of a particular substance B32B 9/045; next to a bituminous or tarry layer B32B 11/046; next to a water setting		cardboard • {as the main or only constituent of a layer, which is next to another layer of the same or of a different material (next to a layer of a particular substance B32B 9/06; next to a bituminous or tarry layer B32B 11/06; next to a water-setting substance layer B32B 13/08; next to a metal layer B32B 15/12; next to a glass layer B32B 17/065; next to a layer formed of natural mineral fibres or particles B32B 19/046; next to a wood layer B32B 21/06; next to a cellulosic plastic layer B32B 23/06; next to a natural or synthetic rubber layer B32B 25/06; next
27/04	NOTE This group covers all synthetic resins except those covered by B32B 25/00 or B32B 23/00 in the form of fibres or filaments {(not used)} as impregnant, bonding, or embedding substance {(not used)} as the main or only constituent of a layer, {which is} next to another layer of {the same or of} a {different material (next to a layer of a particular substance B32B 9/045; next to a bituminous or tarry layer B32B 11/046; next to a water setting substance layer B32B 13/12; next to a metal layer	29/002	cardboard • {as the main or only constituent of a layer, which is next to another layer of the same or of a different material (next to a layer of a particular substance B32B 9/06; next to a bituminous or tarry layer B32B 11/06; next to a water-setting substance layer B32B 13/08; next to a water-setting substance layer B32B 13/08; next to a metal layer B32B 15/12; next to a glass layer B32B 17/065; next to a layer formed of natural mineral fibres or particles B32B 19/046; next to a wood layer B32B 21/06; next to a cellulosic plastic layer B32B 23/06; next to a natural or synthetic rubber layer B32B 25/06; next to a synthetic resin layer B32B 27/10)}
27/04	NOTE This group covers all synthetic resins except those covered by B32B 25/00 or B32B 23/00 in the form of fibres or filaments {(not used)} as impregnant, bonding, or embedding substance {(not used)} as the main or only constituent of a layer, {which is} next to another layer of {the same or of} a {different material (next to a layer of a particular substance B32B 9/045; next to a bituminous or tarry layer B32B 11/046; next to a water setting substance layer B32B 13/12; next to a metal layer B32B 15/08; next to a glass layer B32B 17/10;		 cardboard {as the main or only constituent of a layer, which is next to another layer of the same or of a different material (next to a layer of a particular substance B32B 9/06; next to a bituminous or tarry layer B32B 11/06; next to a water-setting substance layer B32B 13/08; next to a metal layer B32B 15/12; next to a glass layer B32B 17/065; next to a layer formed of natural mineral fibres or particles B32B 19/046; next to a wood layer B32B 21/06; next to a cellulosic plastic layer B32B 23/06; next to a natural or synthetic rubber layer B32B 25/06; next to a synthetic resin layer B32B 27/10)} {next to another layer of paper or cardboard
27/04	NOTE This group covers all synthetic resins except those covered by B32B 25/00 or B32B 23/00 in the form of fibres or filaments {(not used)} as impregnant, bonding, or embedding substance {(not used)} as the main or only constituent of a layer, {which is} next to another layer of {the same or of} a {different material (next to a layer of a particular substance B32B 9/045; next to a bituminous or tarry layer B32B 11/046; next to a water setting substance layer B32B 13/12; next to a metal layer B32B 15/08; next to a glass layer B32B 17/10; next to a layer formed of natural mineral fibres	29/002 29/005	 cardboard {as the main or only constituent of a layer, which is next to another layer of the same or of a different material (next to a layer of a particular substance B32B 9/06; next to a bituminous or tarry layer B32B 11/06; next to a water-setting substance layer B32B 13/08; next to a metal layer B32B 15/12; next to a glass layer B32B 17/065; next to a layer formed of natural mineral fibres or particles B32B 19/046; next to a wood layer B32B 21/06; next to a cellulosic plastic layer B32B 23/06; next to a natural or synthetic rubber layer B32B 25/06; next to a synthetic resin layer B32B 27/10)} {next to another layer of paper or cardboard layer}
27/04	NOTE This group covers all synthetic resins except those covered by B32B 25/00 or B32B 23/00 in the form of fibres or filaments {(not used)} as impregnant, bonding, or embedding substance {(not used)} as the main or only constituent of a layer, {which is} next to another layer of {the same or of} a {different material (next to a layer of a particular substance B32B 9/045; next to a bituminous or tarry layer B32B 11/046; next to a water setting substance layer B32B 13/12; next to a metal layer B32B 15/08; next to a glass layer B32B 17/10; next to a layer formed of natural mineral fibres or particles B32B 19/045; next to a wood layer	29/002 29/005 29/007	 cardboard {as the main or only constituent of a layer, which is next to another layer of the same or of a different material (next to a layer of a particular substance B32B 9/06; next to a bituminous or tarry layer B32B 11/06; next to a water-setting substance layer B32B 13/08; next to a metal layer B32B 15/12; next to a glass layer B32B 17/065; next to a layer formed of natural mineral fibres or particles B32B 19/046; next to a wood layer B32B 21/06; next to a cellulosic plastic layer B32B 23/06; next to a natural or synthetic rubber layer B32B 25/06; next to a synthetic resin layer B32B 27/10)} • {next to another layer of paper or cardboard layer} • {next to a foam layer}
27/04	NOTE This group covers all synthetic resins except those covered by B32B 25/00 or B32B 23/00 in the form of fibres or filaments {(not used)} as impregnant, bonding, or embedding substance {(not used)} as the main or only constituent of a layer, {which is} next to another layer of {the same or of} a {different material (next to a layer of a particular substance B32B 9/045; next to a bituminous or tarry layer B32B 11/046; next to a water setting substance layer B32B 13/12; next to a metal layer B32B 15/08; next to a glass layer B32B 17/10; next to a layer formed of natural mineral fibres	29/002 29/005 29/007 29/02	 cardboard {as the main or only constituent of a layer, which is next to another layer of the same or of a different material (next to a layer of a particular substance B32B 9/06; next to a bituminous or tarry layer B32B 11/06; next to a water-setting substance layer B32B 13/08; next to a metal layer B32B 15/12; next to a glass layer B32B 17/065; next to a layer formed of natural mineral fibres or particles B32B 19/046; next to a wood layer B32B 21/06; next to a cellulosic plastic layer B32B 23/06; next to a natural or synthetic rubber layer B32B 25/06; next to a synthetic resin layer B32B 27/10)} {next to another layer of paper or cardboard layer} {next to a foam layer} next to a fibrous or filamentary layer
27/04	This group covers all synthetic resins except those covered by B32B 25/00 or B32B 23/00 in the form of fibres or filaments {(not used)} as impregnant, bonding, or embedding substance {(not used)} as the main or only constituent of a layer, {which is} next to another layer of {the same or of} a {different material (next to a layer of a particular substance B32B 9/045; next to a bituminous or tarry layer B32B 11/046; next to a water setting substance layer B32B 13/12; next to a metal layer B32B 15/08; next to a glass layer B32B 17/10; next to a layer formed of natural mineral fibres or particles B32B 19/045; next to a wood layer B32B 21/08; next to a cellulosic plastic layer	29/002 29/005 29/007 29/02 29/04	 cardboard {as the main or only constituent of a layer, which is next to another layer of the same or of a different material (next to a layer of a particular substance B32B 9/06; next to a bituminous or tarry layer B32B 11/06; next to a water-setting substance layer B32B 13/08; next to a metal layer B32B 15/12; next to a glass layer B32B 17/065; next to a layer formed of natural mineral fibres or particles B32B 19/046; next to a wood layer B32B 21/06; next to a cellulosic plastic layer B32B 23/06; next to a natural or synthetic rubber layer B32B 23/06; next to a synthetic resin layer B32B 27/10)} • {next to another layer of paper or cardboard layer} • {next to a foam layer} • next to a particulate layer • next to a particulate layer
27/04	This group <u>covers</u> all synthetic resins except those covered by <u>B32B 25/00</u> or <u>B32B 23/00</u> in the form of fibres or filaments {(not used)} as impregnant, bonding, or embedding substance {(not used)} as the main or only constituent of a layer, {which is} next to another layer of {the same or of} a {different material (next to a layer of a particular substance <u>B32B 9/045</u> ; next to a bituminous or tarry layer <u>B32B 11/046</u> ; next to a water setting substance layer <u>B32B 13/12</u> ; next to a metal layer <u>B32B 15/08</u> ; next to a glass layer <u>B32B 17/10</u> ; next to a layer formed of natural mineral fibres or particles <u>B32B 19/045</u> ; next to a wood layer <u>B32B 21/08</u> ; next to a cellulosic plastic layer <u>B32B 23/08</u> ; next to a natural or synthetic rubber	29/002 29/005 29/007 29/02 29/04 29/06	 cardboard {as the main or only constituent of a layer, which is next to another layer of the same or of a different material (next to a layer of a particular substance B32B 9/06; next to a bituminous or tarry layer B32B 11/06; next to a water-setting substance layer B32B 13/08; next to a metal layer B32B 15/12; next to a glass layer B32B 17/065; next to a layer formed of natural mineral fibres or particles B32B 19/046; next to a wood layer B32B 21/06; next to a cellulosic plastic layer B32B 23/06; next to a natural or synthetic rubber layer B32B 25/06; next to a synthetic resin layer B32B 27/10)} {next to another layer of paper or cardboard layer} {next to a fibrous or filamentary layer next to a particulate layer specially treated, e.g. surfaced, parchmentised
27/04 27/06	This group <u>covers</u> all synthetic resins except those covered by <u>B32B 25/00</u> or <u>B32B 23/00</u> in the form of fibres or filaments {(not used)} as impregnant, bonding, or embedding substance {(not used)} as the main or only constituent of a layer, {which is} next to another layer of {the same or of} a {different material (next to a layer of a particular substance <u>B32B 9/045</u> ; next to a bituminous or tarry layer <u>B32B 11/046</u> ; next to a water setting substance layer <u>B32B 13/12</u> ; next to a metal layer <u>B32B 15/08</u> ; next to a glass layer <u>B32B 17/10</u> ; next to a layer formed of natural mineral fibres or particles <u>B32B 19/045</u> ; next to a wood layer <u>B32B 21/08</u> ; next to a cellulosic plastic layer <u>B32B 23/08</u> ; next to a natural or synthetic rubber layer <u>B32B 25/08</u>)}	29/002 29/005 29/007 29/02 29/04	 cardboard {as the main or only constituent of a layer, which is next to another layer of the same or of a different material (next to a layer of a particular substance B32B 9/06; next to a bituminous or tarry layer B32B 11/06; next to a water-setting substance layer B32B 13/08; next to a metal layer B32B 15/12; next to a glass layer B32B 17/065; next to a layer formed of natural mineral fibres or particles B32B 19/046; next to a wood layer B32B 21/06; next to a cellulosic plastic layer B32B 23/06; next to a natural or synthetic rubber layer B32B 23/06; next to a synthetic resin layer B32B 27/10)} {next to another layer of paper or cardboard layer} next to a foam layer} next to a particulate layer specially treated, e.g. surfaced, parchmentised Corrugated paper or cardboard
27/04 27/06 27/065	This group covers all synthetic resins except those covered by B32B 25/00 or B32B 23/00 in the form of fibres or filaments {(not used)} as impregnant, bonding, or embedding substance {(not used)} as the main or only constituent of a layer, {which is} next to another layer of {the same or of} a {different material (next to a layer of a particular substance B32B 9/045; next to a bituminous or tarry layer B32B 11/046; next to a water setting substance layer B32B 13/12; next to a metal layer B32B 15/08; next to a glass layer B32B 17/10; next to a layer formed of natural mineral fibres or particles B32B 19/045; next to a wood layer B32B 21/08; next to a cellulosic plastic layer B32B 23/08; next to a natural or synthetic rubber layer B32B 25/08)} { of foam}	29/002 29/005 29/007 29/02 29/04 29/06	cardboard • {as the main or only constituent of a layer, which is next to another layer of the same or of a different material (next to a layer of a particular substance B32B 9/06; next to a bituminous or tarry layer B32B 11/06; next to a water-setting substance layer B32B 13/08; next to a metal layer B32B 15/12; next to a glass layer B32B 17/065; next to a layer formed of natural mineral fibres or particles B32B 19/046; next to a wood layer B32B 21/06; next to a cellulosic plastic layer B32B 23/06; next to a natural or synthetic rubber layer B32B 23/06; next to a synthetic resin layer B32B 27/10)} • • {next to another layer of paper or cardboard layer} • • next to a foam layer} • next to a particulate layer • specially treated, e.g. surfaced, parchmentised • Corrugated paper or cardboard Layered products characterised by particular
27/04 27/06 27/065 27/08	This group covers all synthetic resins except those covered by B32B 25/00 or B32B 23/00 in the form of fibres or filaments {(not used)} as impregnant, bonding, or embedding substance {(not used)} as the main or only constituent of a layer, {which is} next to another layer of {the same or of} a {different material (next to a layer of a particular substance B32B 9/045; next to a bituminous or tarry layer B32B 11/046; next to a water setting substance layer B32B 13/12; next to a metal layer B32B 15/08; next to a glass layer B32B 17/10; next to a layer formed of natural mineral fibres or particles B32B 19/045; next to a wood layer B32B 21/08; next to a cellulosic plastic layer B32B 23/08; next to a natural or synthetic rubber layer B32B 25/08)} {of foam} of synthetic resin	29/002 29/005 29/007 29/02 29/04 29/06 29/08	cardboard • {as the main or only constituent of a layer, which is next to another layer of the same or of a different material (next to a layer of a particular substance B32B 9/06; next to a bituminous or tarry layer B32B 11/06; next to a water-setting substance layer B32B 13/08; next to a metal layer B32B 15/12; next to a glass layer B32B 17/065; next to a layer formed of natural mineral fibres or particles B32B 19/046; next to a wood layer B32B 21/06; next to a cellulosic plastic layer B32B 23/06; next to a natural or synthetic rubber layer B32B 23/06; next to a synthetic resin layer B32B 27/10)} • • {next to another layer of paper or cardboard layer} • • next to a foam layer} • next to a particulate layer • specially treated, e.g. surfaced, parchmentised • Corrugated paper or cardboard Layered products characterised by particular properties or particular surface features, e.g.
27/04 27/06 27/065 27/08 27/10	This group covers all synthetic resins except those covered by B32B 25/00 or B32B 23/00 in the form of fibres or filaments {(not used)} as impregnant, bonding, or embedding substance {(not used)} as the main or only constituent of a layer, {which is} next to another layer of {the same or of} a {different material (next to a layer of a particular substance B32B 9/045; next to a bituminous or tarry layer B32B 11/046; next to a water setting substance layer B32B 13/12; next to a metal layer B32B 15/08; next to a glass layer B32B 17/10; next to a layer formed of natural mineral fibres or particles B32B 19/045; next to a wood layer B32B 21/08; next to a cellulosic plastic layer B32B 23/08; next to a natural or synthetic rubber layer B32B 25/08)} {of foam} for synthetic resin of paper or cardboard	29/002 29/005 29/007 29/02 29/04 29/06 29/08	cardboard • {as the main or only constituent of a layer, which is next to another layer of the same or of a different material (next to a layer of a particular substance B32B 9/06; next to a bituminous or tarry layer B32B 11/06; next to a water-setting substance layer B32B 13/08; next to a metal layer B32B 15/12; next to a glass layer B32B 17/065; next to a layer formed of natural mineral fibres or particles B32B 19/046; next to a wood layer B32B 21/06; next to a cellulosic plastic layer B32B 23/06; next to a natural or synthetic rubber layer B32B 25/06; next to a synthetic resin layer B32B 27/10)} • • {next to another layer of paper or cardboard layer} • • next to a fibrous or filamentary layer • next to a particulate layer • specially treated, e.g. surfaced, parchmentised • Corrugated paper or cardboard Layered products characterised by particular properties or particular surface features, e.g. particular surface coatings; Layered products
27/04 27/06 27/065 27/08 27/10 27/12	This group covers all synthetic resins except those covered by B32B 25/00 or B32B 23/00 in the form of fibres or filaments {(not used)} as impregnant, bonding, or embedding substance {(not used)} as the main or only constituent of a layer, {which is} next to another layer of {the same or of} a {different material (next to a layer of a particular substance B32B 9/045; next to a bituminous or tarry layer B32B 11/046; next to a water setting substance layer B32B 13/12; next to a metal layer B32B 15/08; next to a glass layer B32B 17/10; next to a layer formed of natural mineral fibres or particles B32B 19/045; next to a wood layer B32B 21/08; next to a cellulosic plastic layer B32B 23/08; next to a natural or synthetic rubber layer B32B 25/08)} for foam} of synthetic resin of paper or cardboard next to a fibrous or filamentary layer	29/002 29/005 29/007 29/02 29/04 29/06 29/08	cardboard • {as the main or only constituent of a layer, which is next to another layer of the same or of a different material (next to a layer of a particular substance B32B 9/06; next to a bituminous or tarry layer B32B 11/06; next to a water-setting substance layer B32B 13/08; next to a metal layer B32B 15/12; next to a glass layer B32B 17/065; next to a layer formed of natural mineral fibres or particles B32B 19/046; next to a wood layer B32B 21/06; next to a cellulosic plastic layer B32B 23/06; next to a natural or synthetic rubber layer B32B 25/06; next to a synthetic resin layer B32B 27/10)} • {next to another layer of paper or cardboard layer} • next to a fibrous or filamentary layer • next to a particulate layer • specially treated, e.g. surfaced, parchmentised • Corrugated paper or cardboard Layered products characterised by particular properties or particular surface features, e.g. particular surface coatings; Layered products designed for particular purposes not covered by
27/04 27/06 27/065 27/08 27/10 27/12 27/14	This group covers all synthetic resins except those covered by B32B 25/00 or B32B 23/00 in the form of fibres or filaments {(not used)} as impregnant, bonding, or embedding substance {(not used)} as the main or only constituent of a layer, {which is} next to another layer of {the same or of} a {different material (next to a layer of a particular substance B32B 9/045; next to a bituminous or tarry layer B32B 11/046; next to a water setting substance layer B32B 13/12; next to a metal layer B32B 15/08; next to a glass layer B32B 17/10; next to a layer formed of natural mineral fibres or particles B32B 19/045; next to a wood layer B32B 21/08; next to a cellulosic plastic layer B32B 23/08; next to a natural or synthetic rubber layer B32B 25/08)} {of foam} of synthetic resin of paper or cardboard next to a particulate layer	29/002 29/005 29/007 29/02 29/04 29/06 29/08	cardboard • {as the main or only constituent of a layer, which is next to another layer of the same or of a different material (next to a layer of a particular substance B32B 9/06; next to a bituminous or tarry layer B32B 11/06; next to a water-setting substance layer B32B 13/08; next to a metal layer B32B 15/12; next to a glass layer B32B 17/065; next to a layer formed of natural mineral fibres or particles B32B 19/046; next to a wood layer B32B 21/06; next to a cellulosic plastic layer B32B 23/06; next to a natural or synthetic rubber layer B32B 23/06; next to a synthetic resin layer B32B 27/10)} • {next to another layer of paper or cardboard layer} • next to a fibrous or filamentary layer • next to a particulate layer • specially treated, e.g. surfaced, parchmentised • Corrugated paper or cardboard Layered products characterised by particular properties or particular surface features, e.g. particular surface coatings; Layered products
27/04 27/06 27/065 27/08 27/10 27/12 27/14 27/16	This group covers all synthetic resins except those covered by B32B 25/00 or B32B 23/00 in the form of fibres or filaments {(not used)} as impregnant, bonding, or embedding substance {(not used)} as the main or only constituent of a layer, {which is} next to another layer of {the same or of} a {different material (next to a layer of a particular substance B32B 9/045; next to a bituminous or tarry layer B32B 11/046; next to a water setting substance layer B32B 13/12; next to a metal layer B32B 15/08; next to a glass layer B32B 17/10; next to a layer formed of natural mineral fibres or particles B32B 19/045; next to a wood layer B32B 21/08; next to a cellulosic plastic layer B32B 23/08; next to a natural or synthetic rubber layer B32B 25/08)} {of foam} of synthetic resin of paper or cardboard next to a fibrous or filamentary layer next to a particulate layer specially treated, e.g. irradiated	29/002 29/005 29/007 29/02 29/04 29/06 29/08	cardboard • {as the main or only constituent of a layer, which is next to another layer of the same or of a different material (next to a layer of a particular substance B32B 9/06; next to a bituminous or tarry layer B32B 11/06; next to a water-setting substance layer B32B 13/08; next to a metal layer B32B 15/12; next to a glass layer B32B 17/065; next to a layer formed of natural mineral fibres or particles B32B 19/046; next to a wood layer B32B 21/06; next to a cellulosic plastic layer B32B 23/06; next to a natural or synthetic rubber layer B32B 25/06; next to a synthetic resin layer B32B 27/10)} • {next to another layer of paper or cardboard layer} • next to a fibrous or filamentary layer • next to a particulate layer • specially treated, e.g. surfaced, parchmentised • Corrugated paper or cardboard Layered products characterised by particular properties or particular surface features, e.g. particular surface coatings; Layered products designed for particular purposes not covered by
27/04 27/06 27/065 27/08 27/10 27/12 27/14 27/16 27/18	This group covers all synthetic resins except those covered by B32B 25/00 or B32B 23/00 in the form of fibres or filaments {(not used)} as impregnant, bonding, or embedding substance {(not used)} as the main or only constituent of a layer, {which is} next to another layer of {the same or of} a {different material (next to a layer of a particular substance B32B 9/045; next to a bituminous or tarry layer B32B 11/046; next to a water setting substance layer B32B 13/12; next to a metal layer B32B 15/08; next to a glass layer B32B 17/10; next to a layer formed of natural mineral fibres or particles B32B 19/045; next to a wood layer B32B 21/08; next to a cellulosic plastic layer B32B 23/08; next to a natural or synthetic rubber layer B32B 25/08)} {of foam} of synthetic resin of paper or cardboard next to a fibrous or filamentary layer next to a particulate layer specially treated, e.g. irradiated characterised by the use of special additives using fillers, pigments, thixotroping agents the fillers creating voids or cavities, e.g. by	29/002 29/005 29/007 29/02 29/04 29/06 29/08	cardboard • {as the main or only constituent of a layer, which is next to another layer of the same or of a different material (next to a layer of a particular substance B32B 9/06; next to a bituminous or tarry layer B32B 11/06; next to a water-setting substance layer B32B 13/08; next to a metal layer B32B 15/12; next to a glass layer B32B 17/065; next to a layer formed of natural mineral fibres or particles B32B 19/046; next to a wood layer B32B 21/06; next to a cellulosic plastic layer B32B 23/06; next to a natural or synthetic rubber layer B32B 25/06; next to a synthetic resin layer B32B 27/10)} • {next to another layer of paper or cardboard layer} • next to a fibrous or filamentary layer • next to a particulate layer • specially treated, e.g. surfaced, parchmentised • Corrugated paper or cardboard Layered products characterised by particular properties or particular surface features, e.g. particular surface coatings; Layered products designed for particular purposes not covered by
27/04 27/06 27/065 27/08 27/10 27/12 27/14 27/16 27/18 27/20 27/205	This group covers all synthetic resins except those covered by B32B 25/00 or B32B 23/00 in the form of fibres or filaments {(not used)} as impregnant, bonding, or embedding substance {(not used)} as the main or only constituent of a layer, {which is} next to another layer of {the same or of} a {different material (next to a layer of a particular substance B32B 9/045; next to a bituminous or tarry layer B32B 11/046; next to a water setting substance layer B32B 13/12; next to a metal layer B32B 15/08; next to a glass layer B32B 17/10; next to a layer formed of natural mineral fibres or particles B32B 19/045; next to a wood layer B32B 21/08; next to a cellulosic plastic layer B32B 23/08; next to a natural or synthetic rubber layer B32B 25/08)} {of foam} of synthetic resin of paper or cardboard next to a fibrous or filamentary layer next to a particulate layer specially treated, e.g. irradiated characterised by the use of special additives using fillers, pigments, thixotroping agents the fillers creating voids or cavities, e.g. by stretching}	29/002 29/005 29/007 29/02 29/04 29/06 29/08	cardboard • {as the main or only constituent of a layer, which is next to another layer of the same or of a different material (next to a layer of a particular substance B32B 9/06; next to a bituminous or tarry layer B32B 11/06; next to a water-setting substance layer B32B 13/08; next to a metal layer B32B 15/12; next to a glass layer B32B 17/065; next to a layer formed of natural mineral fibres or particles B32B 19/046; next to a wood layer B32B 21/06; next to a cellulosic plastic layer B32B 23/06; next to a natural or synthetic rubber layer B32B 25/06; next to a synthetic resin layer B32B 27/10)} • {next to another layer of paper or cardboard layer} • next to a fibrous or filamentary layer • next to a particulate layer • specially treated, e.g. surfaced, parchmentised • Corrugated paper or cardboard Layered products characterised by particular properties or particular surface features, e.g. particular surface coatings; Layered products designed for particular purposes not covered by
27/04 27/06 27/065 27/08 27/10 27/12 27/14 27/16 27/18 27/20 27/205	This group covers all synthetic resins except those covered by B32B 25/00 or B32B 23/00 in the form of fibres or filaments {(not used)} as impregnant, bonding, or embedding substance {(not used)} as the main or only constituent of a layer, {which is} next to another layer of {the same or of} a {different material (next to a layer of a particular substance B32B 9/045; next to a bituminous or tarry layer B32B 11/046; next to a water setting substance layer B32B 13/12; next to a metal layer B32B 15/08; next to a glass layer B32B 17/10; next to a layer formed of natural mineral fibres or particles B32B 19/045; next to a wood layer B32B 21/08; next to a cellulosic plastic layer B32B 23/08; next to a natural or synthetic rubber layer B32B 25/08)} of synthetic resin of paper or cardboard next to a fibrous or filamentary layer next to a particulate layer specially treated, e.g. irradiated characterised by the use of special additives using fillers, pigments, thixotroping agents the fillers creating voids or cavities, e.g. by stretching} using plasticisers	29/002 29/005 29/007 29/02 29/04 29/06 29/08	cardboard • {as the main or only constituent of a layer, which is next to another layer of the same or of a different material (next to a layer of a particular substance B32B 9/06; next to a bituminous or tarry layer B32B 11/06; next to a water-setting substance layer B32B 13/08; next to a metal layer B32B 15/12; next to a glass layer B32B 17/065; next to a layer formed of natural mineral fibres or particles B32B 19/046; next to a wood layer B32B 21/06; next to a cellulosic plastic layer B32B 23/06; next to a natural or synthetic rubber layer B32B 25/06; next to a synthetic resin layer B32B 27/10)} • {next to another layer of paper or cardboard layer} • next to a fibrous or filamentary layer • next to a particulate layer • specially treated, e.g. surfaced, parchmentised • Corrugated paper or cardboard Layered products characterised by particular properties or particular surface features, e.g. particular surface coatings; Layered products designed for particular purposes not covered by
27/04 27/06 27/065 27/08 27/10 27/12 27/14 27/16 27/18 27/20 27/205	This group covers all synthetic resins except those covered by B32B 25/00 or B32B 23/00 in the form of fibres or filaments {(not used)} as impregnant, bonding, or embedding substance {(not used)} as the main or only constituent of a layer, {which is} next to another layer of {the same or of} a {different material (next to a layer of a particular substance B32B 9/045; next to a bituminous or tarry layer B32B 11/046; next to a water setting substance layer B32B 13/12; next to a metal layer B32B 15/08; next to a glass layer B32B 17/10; next to a layer formed of natural mineral fibres or particles B32B 19/045; next to a wood layer B32B 21/08; next to a cellulosic plastic layer B32B 23/08; next to a natural or synthetic rubber layer B32B 25/08)} {of foam} of synthetic resin of paper or cardboard next to a fibrous or filamentary layer next to a particulate layer specially treated, e.g. irradiated characterised by the use of special additives using fillers, pigments, thixotroping agents the fillers creating voids or cavities, e.g. by stretching}	29/002 29/005 29/007 29/02 29/04 29/06 29/08	cardboard • {as the main or only constituent of a layer, which is next to another layer of the same or of a different material (next to a layer of a particular substance B32B 9/06; next to a bituminous or tarry layer B32B 11/06; next to a water-setting substance layer B32B 13/08; next to a metal layer B32B 15/12; next to a glass layer B32B 17/065; next to a layer formed of natural mineral fibres or particles B32B 19/046; next to a wood layer B32B 21/06; next to a cellulosic plastic layer B32B 23/06; next to a natural or synthetic rubber layer B32B 25/06; next to a synthetic resin layer B32B 27/10)} • {next to another layer of paper or cardboard layer} • next to a fibrous or filamentary layer • next to a particulate layer • specially treated, e.g. surfaced, parchmentised • Corrugated paper or cardboard Layered products characterised by particular properties or particular surface features, e.g. particular surface coatings; Layered products designed for particular purposes not covered by

• • {Intermittent pressing, e.g. by oscillating or

by adjusting the nip or platen gap}

• • {Heat-activated adhesive (B32B 37/04 takes

. characterised by using adhesives

2037/1063 • • {using an electrostatic force}

2037/1081 • • {using a magnetic force}

2037/1072 . . {using a fluid jet}

2037/109 • • {using a squeegee}

reciprocating motion of the pressing means (B32B 37/0076 takes precedence)}
• • {Regulating the dimensions of the laminate, e.g.

Methods or apparatus for making layered products; Treatment of the layers or of the layered products

NOTE

In groups B32B 37/00 { , B32B 38/00, B32B 41/00 } and B32B 39/00, the following expressions are used with the meaning indicated:

- {"lay-up" is condisered to be the action of combining separate layers, one on top of the other, in order to form a half-product for entering the laminating process}
- "laminating" means the action of combining previously unconnected {but possibly laid up} layers to become one product whose layers will remain together:

unconn	ected {but possibly laid up} layers to become one	37/1207	• • {Heat-activated addressive (<u>B32B 37/04</u> takes
product	whose layers will remain together;		precedence)}
• "partial	laminating" occurs when one layer does not fully cover	2037/1215	• • • {Hot-melt adhesive}
a surfac	te of another layer, whereby the layer with the greater	2037/1223	• • • • {film-shaped}
surface	area is laminated on only part of its surface;	2037/123	• • • • {net-shaped}
 "adhesi 	ve" means a layer, or part of a layer, applied in any	2037/1238	• • • {in the form of powder}
state or	in any manner which is incorporated for the purpose of		• • {curable adhesive}
bonding	J.		{moisture curable}
		2037/1269	• {multi-component adhesive}
37/00	Methods or apparatus for laminating, e.g. by		. {water-based adhesive}
	curing or by ultrasonic bonding	37/1284	{water-based addiesive} {Application of adhesive}
37/0007	• {involving treatment or provisions in order to avoid		
	deformation or air inclusion, e.g. to improve surface quality}	37/1292	• • { selectively, e.g. in stripes, in patterns (B32B 37/0076 takes precedence)}
37/0015	• • {to avoid warp or curl}	37/14	 characterised by the properties of the layers
37/0023	• • {around holes, apertures or channels present in at	37/142	• • {Laminating of sheets, panels or inserts, e.g.
	least one layer}		stiffeners, by wrapping in at least one outer layer,
37/003	• • {to avoid air inclusion}		or inserting into a preformed pocket}
37/0038	• {involving application of liquid to the layers prior to	37/144	• • {using layers with different mechanical or
	lamination, e.g. wet laminating (B32B 37/12 takes		chemical conditions or properties, e.g. layers
	precedence)}		with different thermal shrinkage, layers under
37/0046	• {characterised by constructional aspects of the		tension during bonding (constructional features
	apparatus}		for tensioning <u>B32B 38/1825</u>)}
37/0053	{Constructional details of laminating machines	37/146	• • {whereby one or more of the layers is a
	comprising rollers; Constructional features of the		honeycomb structure}
	rollers}	2037/148	• • {whereby layers material is selected in order to
2037/0061	• • {the apparatus being an office laminator}		facilitate recycling of the laminate}
2037/0069	{the apparatus being originally designed for	37/15	with at least one layer being manufactured
	another function, e.g. printer, photocopier}		and immediately laminated before reaching its
37/0076	• {characterised in that the layers are not bonded on		stable state, e.g. in which a layer is extruded and
3170070	the totality of their surfaces}		laminated while in semi-molten state
37/0084	• • {Point bonding}	37/153	• • • {at least one layer is extruded and immediately
2037/0092	• {in which absence of adhesives is explicitly		laminated while in semi-molten state}
2037/0072	presented as an advantage}	37/156	• • • {at least one layer is calendered and
37/02	• characterised by a sequence of laminating steps,		immediately laminated}
37/02	e.g. by adding new layers at consecutive laminating	37/16	• • with all layers existing as coherent layers before
	stations		laminating
37/025	{Transfer laminating}	37/18	involving the assembly of discrete sheets or
			panels only
37/04	. characterised by the partial melting of at least one	37/182	• • • { one or more of the layers being plastic }
27/06	layer	37/185	{Laminating sheets, panels or inserts
37/06	characterised by the heating method		between two discrete plastic layers}
37/065	• • {resulting in the laminate being partially bonded	37/187	• • • { the layers being placed in a carrier before
	(<u>B32B 37/0076</u> takes precedence)}		going through the lamination process}
37/08	 characterised by the cooling method 	37/20	involving the assembly of continuous webs
37/085	{Quenching}		only
37/10	• characterised by the pressing technique, e.g. using	37/203	{One or more of the layers being plastic}
	action of vacuum or fluid pressure	37/206	{Laminating a continuous layer between
37/1009	• • {using vacuum and fluid pressure}	277200	two continuous plastic layers}
37/1018	• • {using only vacuum}	37/22	involving the assembly of both discrete and
37/1027	• • {Pressing using at least one press band}	27,22	continuous layers
37/1036	• • • {Pressing between one press band and a	37/223	• • • {One or more of the layers being plastic}
	cylinder}	37/226	{Laminating sheets, panels or inserts
		311220	between two continuous plastic layers}
			between two continuous plastic layers?

37/1045

37/1054

37/12

37/1207

38/0036 38/004 2038/0044	 precedence)} {Heat treatment (for heating or cooling of layers during lamination B32B 37/06, B32B 37/08)} • {by physically contacting the layers, e.g. by the use of heated platens or rollers} • {for creating local stresses} • {Annealing, relaxing} 	43/003 43/006 Layer arrang	Operations specially adapted for layered products and not otherwise provided for, e.g. repairing; Apparatus therefor . {Cutting} . {Delaminating} generats; Coating, impregnation or embedding of position of fibres, particles or foam present on a
38/0036 38/004	 {Heat treatment (for heating or cooling of layers during lamination B32B 37/06, B32B 37/08)} {by physically contacting the layers, e.g. by the use of heated platens or rollers} 	43/003 43/006	and not otherwise provided for, e.g. repairing;Apparatus therefor{Cutting}{Delaminating}
38/0036	 {Heat treatment (for heating or cooling of layers during lamination <u>B32B 37/06</u>, <u>B32B 37/08</u>)} {by physically contacting the layers, e.g. by the 	43/003	and not otherwise provided for, e.g. repairing; Apparatus therefor . {Cutting}
	• {Heat treatment (for heating or cooling of layers during lamination <u>B32B 37/06</u> , <u>B32B 37/08</u>)}		and not otherwise provided for, e.g. repairing; Apparatus therefor
	• {Heat treatment (for heating or cooling of layers	45/00	and not otherwise provided for, e.g. repairing;
30/0032	precedence)}	45/00	
	• {increasing porosity (<u>B32B 38/04</u> takes	43/00	• • • • • • • • • • • • • • • • • • •
2038/0028 38/0032		43/00	
	• {Crusning} • . {Stretching, elongating}	2041/06	• {Starting the lamination machine or method}
2038/002 2038/0024	. {Sandblasting}. {Crushing}		deviation, failure}
		2041/04	• {Detecting wrong registration, misalignment,
2038/0016	stretching} {Abrading}	41/02	. Safety arrangements
38/0012	• {Mechanical treatment, e.g. roughening, deforming,	12,00	lamination processes; Safety arrangements
20/0012	treatment <u>B32B 38/0036</u>)}	41/00	Arrangements for controlling or monitoring
30/0008	treatment; wave energy or particle radiation (heat	39/00	Layout of apparatus or plants, e.g. modular laminating systems
38/0008	and registration <u>B32B 38/185</u> takes precedence)} • {Electrical discharge treatment, e.g. corona, plasma	39/00	
	B32B 38/10; cutting in combination with laying up	38/1883 2038/1891	. {Detensioning}. {Using a robot for handling the layers}
	B32B 38/04; removing all or part of the layers	38/1875	{Tensioning}
	laminating combined with punching or perforating	20/1075	concave profile }
30/000 4	Cutter details (cutting in general <u>B26D</u> ;	38/1866	• • {conforming the layers or laminate to a convex or
38/0004	• {Cutting, tearing or severing, e.g. bursting;	38/1858	{using vacuum}
	before or immediately after.}	20/1050	layers}
	b. in line with the lamination processes, just	38/185	{combined with the cutting of one or more
	a. as steps of the lamination processes, or	38/1841	• • • {during laying up}
	either	38/1833	• • {Positioning, e.g. registration or centering}
	means ancillary operations are carried out		registration}
	"in connection with laminating processes"		features of devices for tensioning, stretching or
	with the meaning indicated:	38/1825	• • {characterised by the control or constructional
	{In this group, the following expression is used	38/1816	• • {Cross feeding of one or more of the layers}
	NOTE	38/1808	• • {characterised by the laying up of the layers}
	processes	38/18	. Handling of layers or the laminate
38/00	Ancillary operations in connection with laminating	2038/168	{Removing solvent}
	-	2038/166	{Removing moisture}
37/30	Partial laminating	38/164	• • {Drying}
	products which are flattened at a later step, e.g. tubes	38/162	{Cleaning}
37/28	• involving assembly of non-flat intermediate	38/16	 Drying; Softening; Cleaning
2037/268	{Release layers}	38/145	· · {Printing}
2037/266	{Cushioning layers}	38/14	Printing or colouring
2037/264	• • • {Pressure equalizing layers}	38/12	. Deep-drawing
2027/264	laminates pressed simultaneously}	38/105	• • {on edges}
2037/262	• • • {Partition plates or sheets for separating several		chemically
2027/252	release layers or pressure equalising layers	38/10	Removing layers, or parts of layers, mechanically or
	bonding during the lamination process, e.g.	38/08	• Impregnating
37/26	with at least one layer which influences the	38/06	• Embossing
2037/246	• • • {Vapour deposition}	2038/047	• • {Perforating}
2037/243	• • • {Coating}	2038/045	{Slitting}
	precedence)	2038/042	{Punching}
	sprinkled onto a substrate (B32B 37/15 takes	38/04	Punching, slitting or perforating
	laminating, e.g. made up from granular material		• • {Riveting}
	 with at least one layer not being coherent before 	2038/0092	• • {Metallizing}
37/24	with at least one layer not being coherent before	2038/0092	{ Metallizing }

Layer arrangements; Coating, impregnation or embedding of layers; Composition of fibres, particles or foam present...

2250/242	All polymers belonging to those covered by group	2262/0246	Acrylic resin fibres
	<u>B32B 27/32</u>	2262/0253	Polyolefin fibres
2250/244	All polymers belonging to those covered by group	2262/0261	Polyamide fibres
2250/246	B32B 27/36	2262/0269	Aromatic polyamide fibres
2250/246	. All polymers belonging to those covered by	2262/0276	Polyester fibres
2250/248	groups <u>B32B 27/32</u> and <u>B32B 27/30</u> • All polymers belonging to those covered by group	2262/0284	Polyethylene terephthalate [PET] or polybutylene terephthalate [PBT]
2270/26	<u>B32B 25/00</u>	2262/0292	Polyurethane fibres
2250/26	All layers being made of paper or paperboard	2262/04	• Cellulosic plastic fibres, e.g. rayon
2250/40	Symmetrical or sandwich layers, e.g. ABA,	2262/06	• Vegetal fibres
2250/42	ABCBA, ABCCBA	2262/062	Cellulose fibres, e.g. cotton
2250/42	Alternating layers, e.g. ABAB(C), AABBAABB(C) Northern of layers again blackers the layers to be a second	2262/065	Lignocellulosic fibres, e.g. jute, sisal, hemp,
2250/44	Number of layers variable across the laminate		flax, bamboo
2255/00	Coating on the layer surface	2262/067	Wood fibres
	NOTE	2262/08	Animal fibres, e.g. hair, wool, silk
		2262/10	. Inorganic fibres
	This group is for classification of coatings on	2262/101	Glass fibres
	a layered product. Specific details of coatings or processes thereof can be found in COSJ 7/00,	2262/103	Metal fibres
	B05D, C09D, C09J, C23C or D06M.	2262/105	Ceramic fibres
	<u>B03D</u> , <u>C09D</u> , <u>C093</u> , <u>C23C</u> or <u>D00M</u> .	2262/106	Carbon fibres, e.g. graphite fibres
2255/02	. on fibrous or filamentary layer	2262/108	Rockwool fibres
2255/04	on a particulate layer	2262/12	• Conjugate fibres, e.g. core/sheath or side-by-side
2255/06	on metal layer	2262/124	Non-woven fabric
2255/062	metal layer being a foamed layer	2262/128	Woven fabric
2255/08	• on wood layer	2262/132	Knitted fabric
2255/10	. on synthetic resin layer or on natural or synthetic	2262/136	Net structure
	rubber layer	2262/14	Mixture of at least two fibres made of different
2255/102	synthetic resin or rubber layer being a foamed		materials
	layer	2262/144	. Non-woven fabric
2255/12	• on paper layer	2262/148	Woven fabric
2255/20	Inorganic coating	2262/152	Knitted fabric
2255/205	Metallic coating	2262/156	. Net structure
2255/24	Organic non-macromolecular coating	2262/16	• Structural features of fibres, filaments or yarns e.g.
2255/26	Polymeric coating		wrapped, coiled, crimped or covered
2255/28	Multiple coating on one surface	2264/00	Composition or properties of particles which form
2260/00	Layered product comprising an impregnated,		a particulate layer or are present as additives
	embedded, or bonded layer wherein the layer	2264/02	Synthetic macromolecular particles
		2264/0207	Particles made of materials belonging to
	comprises an impregnation, embedding, or binder material		B32B 25/00
2260/02	materialComposition of the impregnated, bonded or		B32B 25/00 • Particles made of materials belonging to
2260/02	 material Composition of the impregnated, bonded or embedded layer 	2264/0214	B32B 25/00 • Particles made of materials belonging to B32B 27/00
2260/021	 material Composition of the impregnated, bonded or embedded layer Fibrous or filamentary layer 	2264/0214 2264/0221	B32B 25/00 Particles made of materials belonging to B32B 27/00 Thermoplastic elastomer particles
2260/021 2260/023	 material Composition of the impregnated, bonded or embedded layer Fibrous or filamentary layer Two or more layers 	2264/0214	 B32B 25/00 Particles made of materials belonging to B32B 27/00 Thermoplastic elastomer particles Vinyl resin particles, e.g. polyvinyl acetate,
2260/021 2260/023 2260/025	 material Composition of the impregnated, bonded or embedded layer Fibrous or filamentary layer Two or more layers Particulate layer 	2264/0214 2264/0221	 B32B 25/00 Particles made of materials belonging to B32B 27/00 Thermoplastic elastomer particles Vinyl resin particles, e.g. polyvinyl acetate, polyvinyl alcohol polymers or ethylene-vinyl
2260/021 2260/023 2260/025 2260/026	 material Composition of the impregnated, bonded or embedded layer Fibrous or filamentary layer Two or more layers Particulate layer Wood layer 	2264/0214 2264/0221 2264/0228	 B32B 25/00 Particles made of materials belonging to B32B 27/00 Thermoplastic elastomer particles Vinyl resin particles, e.g. polyvinyl acetate, polyvinyl alcohol polymers or ethylene-vinyl acetate copolymers
2260/021 2260/023 2260/025 2260/026 2260/028	 material Composition of the impregnated, bonded or embedded layer Fibrous or filamentary layer Two or more layers Particulate layer Wood layer Paper layer 	2264/0214 2264/0221	 B32B 25/00 Particles made of materials belonging to B32B 27/00 Thermoplastic elastomer particles Vinyl resin particles, e.g. polyvinyl acetate, polyvinyl alcohol polymers or ethylene-vinyl acetate copolymers Aromatic vinyl resin, e.g. styrenic
2260/021 2260/023 2260/025 2260/026 2260/028 2260/04	 material Composition of the impregnated, bonded or embedded layer Fibrous or filamentary layer Two or more layers Particulate layer Wood layer Paper layer Impregnation, embedding, or binder material 	2264/0214 2264/0221 2264/0228 2264/0235	 B32B 25/00 Particles made of materials belonging to B32B 27/00 Thermoplastic elastomer particles Vinyl resin particles, e.g. polyvinyl acetate, polyvinyl alcohol polymers or ethylene-vinyl acetate copolymers Aromatic vinyl resin, e.g. styrenic (co)polymers
2260/021 2260/023 2260/025 2260/026 2260/028 2260/04 2260/042	 material Composition of the impregnated, bonded or embedded layer Fibrous or filamentary layer Two or more layers Particulate layer Wood layer Paper layer Impregnation, embedding, or binder material Bituminous or tarry substance 	2264/0214 2264/0221 2264/0228	 B32B 25/00 Particles made of materials belonging to B32B 27/00 Thermoplastic elastomer particles Vinyl resin particles, e.g. polyvinyl acetate, polyvinyl alcohol polymers or ethylene-vinyl acetate copolymers Aromatic vinyl resin, e.g. styrenic (co)polymers Vinyl halide, e.g. PVC, PVDC, PVF or
2260/021 2260/023 2260/025 2260/026 2260/028 2260/04	 material Composition of the impregnated, bonded or embedded layer Fibrous or filamentary layer Two or more layers Particulate layer Wood layer Paper layer Impregnation, embedding, or binder material Bituminous or tarry substance Water-setting substance, e.g. concrete, plaster 	2264/0214 2264/0221 2264/0228 2264/0235 2264/0242	 B32B 25/00 Particles made of materials belonging to B32B 27/00 Thermoplastic elastomer particles Vinyl resin particles, e.g. polyvinyl acetate, polyvinyl alcohol polymers or ethylene-vinyl acetate copolymers Aromatic vinyl resin, e.g. styrenic (co)polymers Vinyl halide, e.g. PVC, PVDC, PVF or PVDF (co)polymers
2260/021 2260/023 2260/025 2260/026 2260/028 2260/04 2260/042	 material Composition of the impregnated, bonded or embedded layer Fibrous or filamentary layer Two or more layers Particulate layer Wood layer Paper layer Impregnation, embedding, or binder material Bituminous or tarry substance Water-setting substance, e.g. concrete, plaster Synthetic resin 	2264/0214 2264/0221 2264/0228 2264/0235	 B32B 25/00 Particles made of materials belonging to B32B 27/00 Thermoplastic elastomer particles Vinyl resin particles, e.g. polyvinyl acetate, polyvinyl alcohol polymers or ethylene-vinyl acetate copolymers Aromatic vinyl resin, e.g. styrenic (co)polymers Vinyl halide, e.g. PVC, PVDC, PVF or PVDF (co)polymers Acrylic resin particles, e.g. polymethyl
2260/021 2260/023 2260/025 2260/026 2260/028 2260/044 2260/044	 material Composition of the impregnated, bonded or embedded layer Fibrous or filamentary layer Two or more layers Particulate layer Wood layer Paper layer Impregnation, embedding, or binder material Bituminous or tarry substance Water-setting substance, e.g. concrete, plaster 	2264/0214 2264/0221 2264/0228 2264/0235 2264/0242 2264/025	 B32B 25/00 Particles made of materials belonging to B32B 27/00 Thermoplastic elastomer particles Vinyl resin particles, e.g. polyvinyl acetate, polyvinyl alcohol polymers or ethylene-vinyl acetate copolymers Aromatic vinyl resin, e.g. styrenic (co)polymers Vinyl halide, e.g. PVC, PVDC, PVF or PVDF (co)polymers Acrylic resin particles, e.g. polymethyl methacrylate or ethylene-acrylate copolymers
2260/021 2260/023 2260/025 2260/026 2260/028 2260/044 2260/044 2260/046 2260/048	 material Composition of the impregnated, bonded or embedded layer Fibrous or filamentary layer Two or more layers Particulate layer Wood layer Paper layer Impregnation, embedding, or binder material Bituminous or tarry substance Water-setting substance, e.g. concrete, plaster Synthetic resin Natural or synthetic rubber 	2264/0214 2264/0221 2264/0228 2264/0235 2264/0242 2264/025	 B32B 25/00 Particles made of materials belonging to B32B 27/00 Thermoplastic elastomer particles Vinyl resin particles, e.g. polyvinyl acetate, polyvinyl alcohol polymers or ethylene-vinyl acetate copolymers Aromatic vinyl resin, e.g. styrenic (co)polymers Vinyl halide, e.g. PVC, PVDC, PVF or PVDF (co)polymers Acrylic resin particles, e.g. polymethyl methacrylate or ethylene-acrylate copolymers Polyolefin particles, e.g. polyethylene or
2260/021 2260/023 2260/025 2260/026 2260/028 2260/044 2260/044 2260/044	 material Composition of the impregnated, bonded or embedded layer Fibrous or filamentary layer Two or more layers Particulate layer Wood layer Paper layer Impregnation, embedding, or binder material Bituminous or tarry substance Water-setting substance, e.g. concrete, plaster Synthetic resin Natural or synthetic rubber Composition or structural features of fibres which	2264/0214 2264/0221 2264/0228 2264/0235 2264/0242 2264/025	 B32B 25/00 Particles made of materials belonging to B32B 27/00 Thermoplastic elastomer particles Vinyl resin particles, e.g. polyvinyl acetate, polyvinyl alcohol polymers or ethylene-vinyl acetate copolymers Aromatic vinyl resin, e.g. styrenic (co)polymers Vinyl halide, e.g. PVC, PVDC, PVF or PVDF (co)polymers Acrylic resin particles, e.g. polymethyl methacrylate or ethylene-acrylate copolymers
2260/021 2260/023 2260/025 2260/026 2260/028 2260/044 2260/044 2260/046 2260/048	 material Composition of the impregnated, bonded or embedded layer Fibrous or filamentary layer Two or more layers Particulate layer Wood layer Paper layer Impregnation, embedding, or binder material Bituminous or tarry substance Water-setting substance, e.g. concrete, plaster Synthetic resin Natural or synthetic rubber 	2264/0214 2264/0221 2264/0228 2264/0235 2264/0242 2264/025	 B32B 25/00 Particles made of materials belonging to B32B 27/00 Thermoplastic elastomer particles Vinyl resin particles, e.g. polyvinyl acetate, polyvinyl alcohol polymers or ethylene-vinyl acetate copolymers Aromatic vinyl resin, e.g. styrenic (co)polymers Vinyl halide, e.g. PVC, PVDC, PVF or PVDF (co)polymers Acrylic resin particles, e.g. polymethyl methacrylate or ethylene-acrylate copolymers Polyolefin particles, e.g. polyethylene or polypropylene homopolymers or ethylene-
2260/021 2260/023 2260/025 2260/026 2260/028 2260/044 2260/044 2260/046 2260/048	 material Composition of the impregnated, bonded or embedded layer Fibrous or filamentary layer Two or more layers Particulate layer Wood layer Paper layer Impregnation, embedding, or binder material Bituminous or tarry substance Water-setting substance, e.g. concrete, plaster Synthetic resin Natural or synthetic rubber Composition or structural features of fibres which form a fibrous or filamentary layer or are present	2264/0214 2264/0221 2264/0228 2264/0235 2264/0242 2264/025 2264/0257	 B32B 25/00 Particles made of materials belonging to B32B 27/00 Thermoplastic elastomer particles Vinyl resin particles, e.g. polyvinyl acetate, polyvinyl alcohol polymers or ethylene-vinyl acetate copolymers Aromatic vinyl resin, e.g. styrenic (co)polymers Vinyl halide, e.g. PVC, PVDC, PVF or PVDF (co)polymers Acrylic resin particles, e.g. polymethyl methacrylate or ethylene-acrylate copolymers Polyolefin particles, e.g. polyethylene or polypropylene homopolymers or ethylene-propylene copolymers
2260/021 2260/023 2260/025 2260/026 2260/028 2260/044 2260/044 2260/046 2260/048 2262/00	 material Composition of the impregnated, bonded or embedded layer Fibrous or filamentary layer Two or more layers Particulate layer Wood layer Paper layer Impregnation, embedding, or binder material Bituminous or tarry substance Water-setting substance, e.g. concrete, plaster Synthetic resin Natural or synthetic rubber Composition or structural features of fibres which form a fibrous or filamentary layer or are present as additives	2264/0214 2264/0221 2264/0228 2264/0235 2264/0242 2264/025 2264/0257 2264/0264 2264/0271	 B32B 25/00 Particles made of materials belonging to B32B 27/00 Thermoplastic elastomer particles Vinyl resin particles, e.g. polyvinyl acetate, polyvinyl alcohol polymers or ethylene-vinyl acetate copolymers Aromatic vinyl resin, e.g. styrenic (co)polymers Vinyl halide, e.g. PVC, PVDC, PVF or PVDF (co)polymers Acrylic resin particles, e.g. polymethyl methacrylate or ethylene-acrylate copolymers Polyolefin particles, e.g. polyethylene or polypropylene homopolymers or ethylene-propylene copolymers Polyamide particles Polyamide particles
2260/021 2260/023 2260/025 2260/026 2260/028 2260/044 2260/044 2260/046 2260/048 2262/00	 material Composition of the impregnated, bonded or embedded layer Fibrous or filamentary layer Two or more layers Particulate layer Wood layer Paper layer Impregnation, embedding, or binder material Bituminous or tarry substance Water-setting substance, e.g. concrete, plaster Synthetic resin Natural or synthetic rubber Composition or structural features of fibres which form a fibrous or filamentary layer or are present as additives Synthetic macromolecular fibres 	2264/0214 2264/0221 2264/0228 2264/0235 2264/0242 2264/025 2264/0257 2264/0264 2264/0271 2264/0278	 B32B 25/00 Particles made of materials belonging to B32B 27/00 Thermoplastic elastomer particles Vinyl resin particles, e.g. polyvinyl acetate, polyvinyl alcohol polymers or ethylene-vinyl acetate copolymers Aromatic vinyl resin, e.g. styrenic (co)polymers Vinyl halide, e.g. PVC, PVDC, PVF or PVDF (co)polymers Acrylic resin particles, e.g. polymethyl methacrylate or ethylene-acrylate copolymers Polyolefin particles, e.g. polyethylene or polypropylene homopolymers or ethylene-propylene copolymers Polyamide particles Aromatic polyamide particles Aromatic polyamide particles
2260/021 2260/023 2260/025 2260/026 2260/028 2260/044 2260/044 2260/046 2260/048 2262/00 2262/02 2262/0207	material Composition of the impregnated, bonded or embedded layer Fibrous or filamentary layer Fibrous or more layers Fibrous or layer Fibrous or layer Fibrous or binder material Fibrous or tarry substance Fibrous or tarry substance Fibrous or tarry substance Fibrous or substance, e.g. concrete, plaster Fibrous or synthetic rubber Fibrous or structural features of fibres which form a fibrous or filamentary layer or are present as additives Fibrous or macromolecular fibres Fibrous or fibres	2264/0214 2264/0221 2264/0228 2264/0235 2264/0242 2264/025 2264/0257 2264/0264 2264/0271 2264/0278	 B32B 25/00 Particles made of materials belonging to B32B 27/00 Thermoplastic elastomer particles Vinyl resin particles, e.g. polyvinyl acetate, polyvinyl alcohol polymers or ethylene-vinyl acetate copolymers Aromatic vinyl resin, e.g. styrenic (co)polymers Vinyl halide, e.g. PVC, PVDC, PVF or PVDF (co)polymers Acrylic resin particles, e.g. polymethyl methacrylate or ethylene-acrylate copolymers Polyolefin particles, e.g. polyethylene or polypropylene homopolymers or ethylene-propylene copolymers Polyamide particles Aromatic polyamide particles Polyester particles
2260/021 2260/023 2260/025 2260/026 2260/04 2260/042 2260/044 2260/048 2260/048 2262/02 2262/0207 2262/0207 2262/0215	material Composition of the impregnated, bonded or embedded layer Fibrous or filamentary layer Fibrous or more layers Fibrous or more layer Fibrous or layer Fibrous or layer Fibrous or binder material Fibrous or tarry substance Fibrous or tarry substance Fibrous or substance Fibrous or synthetic rubber Fibrous or synthetic rubber Composition or structural features of fibres which form a fibrous or filamentary layer or are present as additives Fibrous or filamentary layer or are present as additives	2264/0214 2264/0221 2264/0228 2264/0235 2264/0242 2264/0257 2264/0257 2264/0264 2264/0271 2264/0278 2264/0285	B32B 25/00 Particles made of materials belonging to B32B 27/00 Thermoplastic elastomer particles Vinyl resin particles, e.g. polyvinyl acetate, polyvinyl alcohol polymers or ethylene-vinyl acetate copolymers Aromatic vinyl resin, e.g. styrenic (co)polymers Vinyl halide, e.g. PVC, PVDC, PVF or PVDF (co)polymers Acrylic resin particles, e.g. polymethyl methacrylate or ethylene-acrylate copolymers Polyolefin particles, e.g. polyethylene or polypropylene homopolymers or ethylene-propylene copolymers Polyamide particles Polyamide particles Polyester particles PET or PBT
2260/021 2260/023 2260/025 2260/026 2260/04 2260/042 2260/044 2260/048 2262/00 2262/020 2262/0207 2262/0215 2262/0223	material Composition of the impregnated, bonded or embedded layer Fibrous or filamentary layer Fibrous or more layers Fibrous or more layer Fibrous or layer Fibrous or layer Fibrous or binder material Fibrous or tarry substance Fibrous or tarry substance Fibrous or substance, e.g. concrete, plaster Fibrous or synthetic rubber Fibrous or structural features of fibres which form a fibrous or filamentary layer or are present as additives Fibrous or filamentary layer or are present as additives Fibrous or filamentary layer or are present as additives Fibrous or filamentary layer or are present as additives Fibrous or filamentary layer or are present as additives Fibrous or filamentary layer or are present as additives Fibrous or filamentary layer or are present as additives Fibrous or filamentary layer or are present as additives Fibrous or filamentary layer or are present as additives Fibrous or filamentary layer or are present as additives Fibrous or filamentary layer or are present as additives Fibrous or filamentary layer or are present as additives Fibrous or filamentary layer or are present as additives Fibrous or filamentary layer or are present as additives Fibrous or filamentary layer or are present as additives Fibrous or filamentary layer or are present as additives Fibrous or filamentary layer or are present as additives Fibrous or filamentary layer or are present as additives Fibrous or filamentary layer or are present as additives Fibrous or filamentary layer or are present as additives	2264/0214 2264/0221 2264/0228 2264/0235 2264/0242 2264/0257 2264/0257 2264/0264 2264/0271 2264/0278 2264/0285 2264/0292	B32B 25/00 Particles made of materials belonging to B32B 27/00 Thermoplastic elastomer particles Vinyl resin particles, e.g. polyvinyl acetate, polyvinyl alcohol polymers or ethylene-vinyl acetate copolymers Aromatic vinyl resin, e.g. styrenic (co)polymers Vinyl halide, e.g. PVC, PVDC, PVF or PVDF (co)polymers Acrylic resin particles, e.g. polymethyl methacrylate or ethylene-acrylate copolymers Polyolefin particles, e.g. polyethylene or polypropylene homopolymers or ethylene-propylene copolymers Polyamide particles Polyamide particles Polyester particles PET or PBT Polyurethane particles
2260/021 2260/023 2260/025 2260/026 2260/04 2260/042 2260/044 2260/048 2262/00 2262/020 2262/0207 2262/0215 2262/0223	material Composition of the impregnated, bonded or embedded layer Fibrous or filamentary layer Fibrous or more layers Fibrous or more layer Fibrous or layer Fibrous or layer Fibrous or binder material Fibrous or tarry substance Fibrous or tarry substance Fibrous or tarry substance Fibrous or substance Fibrous or synthetic rubber Composition or structural features of fibres which form a fibrous or filamentary layer or are present as additives Fibrous or filamentary layer or are present as additives	2264/0214 2264/0221 2264/0228 2264/0235 2264/0242 2264/025 2264/0257 2264/0264 2264/0271 2264/0278 2264/0292 2264/04	 B32B 25/00 Particles made of materials belonging to B32B 27/00 Thermoplastic elastomer particles Vinyl resin particles, e.g. polyvinyl acetate, polyvinyl alcohol polymers or ethylene-vinyl acetate copolymers Aromatic vinyl resin, e.g. styrenic (co)polymers Vinyl halide, e.g. PVC, PVDC, PVF or PVDF (co)polymers Acrylic resin particles, e.g. polymethyl methacrylate or ethylene-acrylate copolymers Polyolefin particles, e.g. polyethylene or polypropylene homopolymers or ethylene-propylene copolymers Polyamide particles Polyester particles Polyester particles PET or PBT Polyurethane particles, e.g. rayon

 $Layer\ arrangements;\ Coating,\ impregnation\ or\ embedding\ of\ layers;\ Composition\ of\ fibres,\ particles\ or\ foam\ present...$

1			
2264/065	Lignocellulosic particles, e.g. jute, sisal, hemp, flax, bamboo	2264/504	distributed in a predetermined pattern in a direction perpendicular to the thickness
2264/067	Wood particles	2266/00	Composition of foom
2264/08	Animal particles, e.g. leather	2266/00	Composition of foam
2264/10	Inorganic particles	2266/02	• Organic
2264/101	Glass	2266/0207	Materials belonging to <u>B32B 25/00</u>
2264/102	. Oxide or hydroxide	2266/0214	Materials belonging to <u>B32B 27/00</u>
2264/1021	Silica	2266/0221	Vinyl resin
2264/1022	Titania	2266/0228	Aromatic vinyl resin, e.g. styrenic
2264/1023	Alumina		(co)polymers
2264/1024	Zirconia	2266/0235	Vinyl halide, e.g. PVC, PVDC, PVF, PVDF
		2266/0242	Acrylic resin
2264/1025	Zinc oxide	2266/025	Polyolefin
2264/1026	Mica	2266/0257	Polyamide
	Clay	2266/0264	Polyester
2264/104	Oxysalt, e.g. carbonate, sulfate, phosphate or	2266/0271	Epoxy resin
	nitrate particles	2266/0278	Polyurethane
2264/105	Metal	2266/0285	Condensation resins of aldehydes, e.g. with
	Silver or gold	2200/0203	phenols, ureas, melamines
2264/1052	Aluminum	2266/0292	
2264/1053	Alkali metal	2266/031	Bituminous or tarry material
2264/1054	Alkaline earth metal	2266/04	Inorganic
2264/1055	Copper or nickel		. Metal
2264/1056	Iron or steel	2266/045	
2264/1057	Chromium	2266/049	• Water-setting material, e.g. concrete, plaster or
2264/1058	Titanium	2266/052	asbestos cement
2264/1059	Zinc	2266/053	Mineral element, e.g. asbestos or mica
2264/107	Ceramic	2266/057	Silicon-containing material, e.g. glass
2264/108	Carbon, e.g. graphite particles	2266/06	. Open cell foam
2264/12	Mixture of at least two particles made of different	2266/08	. Closed cell foam
2204/12	materials	2266/10	characterised by the foam pores
2264/20	Particles characterised by shape	2266/102	Nanopores, i.e. with average diameter smaller
2264/201	Flat or platelet-shaped particles, e.g. flakes		than 0.1 µm
2264/201		2266/104	Micropores, i.e. with average diameter in the
	Solid spheres		range from $0.1 \mu m$ to $0.1 mm$
2264/203	Expanded, porous or hollow particles	2266/106	Unimodal pore distribution
2264/2031	Porous particles	2266/108	Bimodal pore distribution
2264/2032	Hollow spheres	2266/12	• Gel
2264/204	Rod- or needle-shaped particles	2266/122	Hydrogel, i.e. a gel containing an aqueous
2264/30	Particles characterised by physical dimension		composition
2264/301	Average diameter smaller than 100 nm	2266/124	Organogel, i.e. a gel containing an organic
2264/302	Average diameter in the range from 100 nm to		composition
	1000 nm	2266/126	Aerogel, i.e. a supercritically dried gel
2264/303	Average diameter greater than 1μm	2266/128	Xerogel, i.e. an air dried gel
2264/304	Particle length	2266/14	Adhesive foam
2264/305	• Particle size distribution, e.g. unimodal size	2270/00	
	distribution	2270/00	Resin or rubber layer containing a blend of at least
2264/306	Multimodal particle size distribution		two different polymers
2264/3065	bimodal size distribution	2272/00	Resin or rubber layer comprising scrap, waste or
2264/307	Surface area of particles		recycling material
2264/308	Aspect ratio of particles		
2264/40	Pretreated particles	2274/00	Thermoplastic elastomer material
2264/401	with inorganic substances	C 1'4' 6-	
2264/402	with organic substances	Condition, 10	rm, state or properties of the layers or laminate
2264/4021	with silicon-containing compounds	2305/00	Condition, form or state of the layers or laminate
2264/403	coated or encapsulated	2305/02	Cellular or porous
2264/50	Particles characterised by their position or	2305/022	. Foam
2207/30	distribution in a layer	2305/024	Honeycomb
2264/501		2305/024	. Porous
2264/502	homogeneously distributed distributed in a gradient manner	2305/028	Hollow fillers; Syntactic material
	_		Parts immersed or impregnated in a matrix
2264/503	distributed in a predetermined pattern in a thickness direction	2305/07	
	differess direction	2305/073	partially
		2305/076	. Prepregs
		2305/08	. Reinforcements

2305/10	Fibres of continuous length	2307/514	Oriented
2305/18	Fabrics, textiles	2307/516	mono-axially
2305/182	knitted	2307/518	bi-axially
2305/184	Braided fabrics	2307/52	multi-axially
2305/186	Knitted fabrics	2307/536	Hardness
2305/188	Woven fabrics	2307/538	Roughness
2305/20	in the form of a non-woven mat	2307/54	Yield strength; Tensile strength
2305/22	Fibres of short length	2307/542	Shear strength
2305/24	. Whiskers	2307/544	Torsion strength; Torsion stiffness
2305/28	• in the form of a mat	2307/546	Flexural strength; Flexion stiffness
2305/30	• Fillers, e.g. particles, powders, beads, flakes,	2307/548	Creep
2303/30	spheres, chips	2307/552	. Fatigue strength
2305/34	• Inserts	2307/554	Wear resistance
2305/342	Chips	2307/558	. Impact strength, toughness
2305/345	. Heating elements	2307/56	Damping, energy absorption
2305/347	Security elements	2307/58	. Cuttability
2305/38	Meshes, lattices or nets		Resistant to cut
2305/54	Filled microcapsules	2307/581	
	•	2307/582	Tearability
2305/55	Liquid crystals	2307/5825	Tear resistant
2305/70	Scrap or recycled material	2307/584	Scratch resistance
2305/72	• Cured, e.g. vulcanised, cross-linked	2307/70	. Other properties
2305/74	Partially cured	2307/702	Amorphous
2305/77	• Uncured, e.g. green	2307/704	Crystalline
2305/80	. Sintered	2307/706	Anisotropic
2307/00	Properties of the layers or laminate	2307/708	Isotropic
2307/10	having particular acoustical properties	2307/71	Resistive to light or to UV
2307/10	Insulating	2307/712	Weather resistant
2307/102	 having particular electrical or magnetic properties, 	2307/714	Inert, i.e. inert to chemical degradation, corrosion
2307/20	e.g. piezoelectric	2307/7145	Rot proof, resistant to bacteria, mildew, mould,
2307/202	Conductive		fungi
2307/202	. Di-electric	2307/716	Degradable
2307/204		2307/7163	Biodegradable
	. Insulating	2307/7166	Water-soluble, water-dispersible
2307/208	Magnetic, paramagnetic	2307/718	Weight, e.g. weight per square meter
2307/21	. Anti-static	2307/72	Density
2307/212	Electromagnetic interference shielding	2307/722	Non-uniform density
2307/30	having particular thermal properties	2307/724	. Permeability to gases, adsorption
2307/302	Conductive	2307/7242	Non-permeable
2307/304	. Insulating	2307/7244	Oxygen barrier
2307/306	Resistant to heat	2307/7246	Water vapor barrier
2307/3065	Flame resistant or retardant, fire resistant or	2307/7248	Odour barrier
	retardant	2307/726	Permeability to liquids, absorption
2307/308	Heat stability	2307/7265	Non-permeable
2307/31	Heat sealable	2307/728	Hydrophilic
2307/40	 having particular optical properties 		. Hydrophinic
2307/402	Coloured	2307/73	
2307/4023	• • • on the layer surface, e.g. ink	2307/732	. Dimensional properties
2307/4026	• • • within the layer by addition of a colorant, e.g.	2307/734	Dimensional stability
	pigments, dyes	2307/736	Shrinkable
2307/404	Multi-coloured	2307/737	Dimensions, e.g. volume or area
2307/406	Bright, glossy, shiny surface	2307/7375	Linear, e.g. length, distance or width
2307/408	Matt, dull surface	2307/7376	Thickness
2307/409	Iridescent, pearlescent surface	2307/738	Thermoformability
2307/41	Opaque	2307/74	Oxygen absorber
2307/412	Transparent	2307/744	Non-slip, anti-slip
2307/414	Translucent	2307/746	Slipping, anti-blocking, low friction
2307/416	Reflective	2307/748	Releasability
2307/418	Refractive	2307/75	Printability
2307/42	Polarizing, birefringent, filtering	2307/752	Corrosion inhibitor
2307/422	. Luminescent, fluorescent, phosphorescent	2307/754	Self-cleaning
2307/50	having particular mechanical properties	2307/756	Refurbishable, i.e. marks or scratches can be
2307/51	. Elastic		removed

2310/0868 . . . using radio frequency

2307/758	Odour absorbent	2310/0875	using particle radiation
2307/762	Self-repairing, self-healing	2310/0881	using ion-radiation, e.g. alpha-rays
2307/764	Insect repellent	2310/0887	using electron radiation, e.g. beta-rays
0 "	1 4 4 14 1	2310/0893	using neutron radiation
Operating p	rocedures; Apparatus details	2310/12	using dielectric properties
2309/00	Parameters for the laminating or treatment	2310/14	Corona, ionisation, electrical discharge, plasma
	process; Apparatus details		treatment
2309/02	. Temperature	Inorganie me	aterials used for the layers, laminate or apparatus
2309/022	Temperature vs pressure profiles	components	actials used for the layers, familiate of apparatus
2309/025	Temperature vs time profiles	-	
2309/027	Ambient temperature	2311/00	Metals, their alloys or their compounds
2309/04	. Time		<u>NOTE</u>
2309/06	• Angles		Alloys and compounds of specific metals are
2309/08	• Dimensions, e.g. volume		indexed with the same indexing code as the
2309/10	linear, e.g. length, distance, width		specific metals
2309/105	Thickness		•
2309/12	• Pressure	2311/005	Shape memory alloys
2309/125	Pressure vs time profiles	2311/02	. Noble metals
2309/14	• Velocity, e.g. feed speeds	2311/04	Gold
2309/16	• Tension	2311/06	Platinum
2309/60	In a particular environment	2311/08	Silver
2309/62	Inert	2311/09	Palladium
2309/64	Sterile	2311/10	. Mercury
2309/65 2309/66	Dust free, e.g. clean room Fluid other than air	2311/12 2311/14	Copper Lead
2309/68	Vacuum	2311/14	. Tin
2309/08	Automated, e.g. using a computer or microcomputer	2311/10	Titanium
2309/70	For measuring or regulating, e.g. systems with	2311/18	. Zinc
2307/12	feedback loops	2311/20	Nickel or cobalt
	•	2311/24	. Aluminium
2310/00	Treatment by energy or chemical effects	2311/24	. Iron, e.g. steel
2310/021	• using electrical effects (B32B 2310/08 and		• Holl, e.g. steel
2210/022	B32B 2310/12 take precedence)	2313/00	Elements other than metals
2310/022	Electrical resistance	2313/02	. Boron
2310/024 2310/025	. Peltier effect	2313/04	. Carbon
2310/023	. Electrostatic charges	2315/00	Other materials containing non-metallic
2310/027	using frictionusing vibration, e.g. sonic or ultrasonic		inorganic compounds not provided for in groups
2310/028	using violation, e.g. some of untrasome using liquids, gas or steam		<u>B32B 2311/00</u> - <u>B32B 2313/04</u>
2310/04	using liquids using liquids	2315/02	. Ceramics
2310/0409	other than water	2315/06	. Concrete
2310/0418	Liquified gases	2315/08	. Glass
2310/0436	Oil	2315/085	Glass fiber cloth or fabric
2310/0445	• using gas or flames (B32B 2310/0427 takes	2315/10	. Mica
	precedence)	2315/12	. Asbestos
2310/0454	Hot air	2315/14	. Mineral wool
2310/0463	other than air	2315/16	. Clay
2310/0472	inert gas	2315/18	. Plaster
2310/0481	Ozone	Other natura	al products or their composites used for the layers,
2310/049	using steam or damp		apparatus components not provided for in groups
2310/08	by wave energy or particle radiation		0 - B32B 2315/18 and B32B 2319/00 - B32B 2398/20
2310/0806	using electromagnetic radiation		
2310/0812	• • using induction	2317/00	Animal or vegetable based
2310/0818	using eddy currents	2317/02	. Cork
2310/0825	using IR radiation	2317/04	. Linoleum
2310/0831	using UV radiation	2317/06	Bone; Horn; Ivory Natural leather
2310/0837	using actinic light	2317/08	
2310/0843	using laser	2317/10 2317/12	Natural fibres, e.g. wool, cotton Paper, e.g. cardboard
2310/085	using X-ray	2317/122	Faper, e.g. cardooard Kraft paper
2310/0856	• • using gamma-ray	2317/125	impregnated with thermosetting resin
2310/0862	using microwave	2317/127	Corrugated cardboard

CPC - 2025.05

Other natural products or their composites used for the layers, laminate or apparatus components not provided for in...

2317/16	• Wood, e.g. woodboard, fibreboard, woodchips
2317/18	Cellulose, modified cellulose or cellulose
	derivatives, e.g. viscose (B32B 2317/10,
	<u>B32B 2317/12</u> , <u>B32B 2317/16</u> take precedence)
2317/20	. Starch
2317/22	Natural rubber
2317/24	• Oil (B32B 2318/02 takes precedence)
2318/00	Mineral based
2318/02	. Oil
2318/04	. Stone

$\underline{Organic\ materials\ used\ for\ the\ layers,\ laminate\ or\ apparatus}}$ $\underline{components}$

2319/00 Synthetic rubber NOTE

2369/00 Polycarbonates

In groups <u>B32B 2319/00</u> - <u>B32B 2386/00</u>, C-Sets are used. Detailed information about C-Sets construction and the associated syntax rules is found in the Definitions

	found in the Definitions.	
2323/00	Polyalkenes	
2323/04	Polyethylene	
2323/043	HDPE, i.e. high density polyethylene	
2323/046	LDPE, i.e. low density polyethylene	
2323/10	. Polypropylene	
2323/16	• EPDM, i.e. ethylene propylene diene monomer	
2325/00	Polymers of vinyl-aromatic compounds, e.g.	
	polystyrene	
2327/00	Polyvinylhalogenides	
2327/06	• PVC, i.e. polyvinylchloride	
2327/12	. containing fluorine	
2327/18	PTFE, i.e. polytetrafluoroethylene	
2329/00	Polyvinylalcohols, polyvinylethers,	
	polyvinylaldehydes, polyvinylketones or	
	polyvinylketals	
2329/04	Polyvinylalcohol	
2329/06	• PVB, i.e. polyinylbutyral	
	Delegation leaders	
2331/00	Polyvinylesters	
2331/00 2331/04	Polyvinylesters Polymers of vinyl acetate, e.g. PVA	
	Polymers of vinyl acetate, e.g. PVA Polymers of unsaturated acids or derivatives	
2331/04 2333/00	 Polymers of vinyl acetate, e.g. PVA Polymers of unsaturated acids or derivatives thereof 	
2331/04 2333/00 2333/04	 Polymers of vinyl acetate, e.g. PVA Polymers of unsaturated acids or derivatives thereof Polymers of esters 	
2331/04 2333/00	 Polymers of vinyl acetate, e.g. PVA Polymers of unsaturated acids or derivatives thereof 	
2331/04 2333/00 2333/04	 Polymers of vinyl acetate, e.g. PVA Polymers of unsaturated acids or derivatives thereof Polymers of esters Polymers of acrylic acid esters, e.g. PMA, i.e. 	
2331/04 2333/00 2333/04 2333/08	 Polymers of vinyl acetate, e.g. PVA Polymers of unsaturated acids or derivatives thereof Polymers of esters Polymers of acrylic acid esters, e.g. PMA, i.e. polymethylacrylate 	
2331/04 2333/00 2333/04 2333/08	 Polymers of vinyl acetate, e.g. PVA Polymers of unsaturated acids or derivatives thereof Polymers of esters Polymers of acrylic acid esters, e.g. PMA, i.e. polymethylacrylate Polymers of methacrylic acid esters, e.g. PMMA, 	
2331/04 2333/00 2333/04 2333/08 2333/12	 Polymers of vinyl acetate, e.g. PVA Polymers of unsaturated acids or derivatives thereof Polymers of esters Polymers of acrylic acid esters, e.g. PMA, i.e. polymethylacrylate Polymers of methacrylic acid esters, e.g. PMMA, i.e. polymethylmethacrylate 	
2331/04 2333/00 2333/04 2333/08 2333/12	 Polymers of vinyl acetate, e.g. PVA Polymers of unsaturated acids or derivatives thereof Polymers of esters Polymers of acrylic acid esters, e.g. PMA, i.e. polymethylacrylate Polymers of methacrylic acid esters, e.g. PMMA, i.e. polymethylmethacrylate Specific polymers obtained by polymerisation reactions only involving carbon-to-carbon unsaturated bonds, not provided for in a single one 	
2331/04 2333/00 2333/04 2333/08 2333/12 2355/00	 Polymers of vinyl acetate, e.g. PVA Polymers of unsaturated acids or derivatives thereof Polymers of esters Polymers of acrylic acid esters, e.g. PMA, i.e. polymethylacrylate Polymers of methacrylic acid esters, e.g. PMMA, i.e. polymethylmethacrylate Specific polymers obtained by polymerisation reactions only involving carbon-to-carbon unsaturated bonds, not provided for in a single one of index codes B32B 2323/00 - B32B 2333/00 ABS polymers, i.e. acrylonitrile-butadiene-styrene 	
2331/04 2333/00 2333/04 2333/08 2333/12 2355/00	 Polymers of vinyl acetate, e.g. PVA Polymers of unsaturated acids or derivatives thereof Polymers of esters Polymers of acrylic acid esters, e.g. PMA, i.e. polymethylacrylate Polymers of methacrylic acid esters, e.g. PMMA, i.e. polymethylmethacrylate Specific polymers obtained by polymerisation reactions only involving carbon-to-carbon unsaturated bonds, not provided for in a single one of index codes B32B 2323/00 - B32B 2333/00 ABS polymers, i.e. acrylonitrile-butadiene-styrene polymers 	

2371/00	Polyethers, e.g. PEEK, i.e. polyether-etherketone; PEK, i.e. polyetherketone
2375/00	Polyureas; Polyurethanes
2377/00	Polyamides
2379/00	Other polymers having nitrogen, with or without oxygen or carbon only, in the main chain
2379/08	• Polyimides
2383/00	Polysiloxanes
2386/00	Specific polymers obtained by polycondensation or polyaddition not provided for in a single one of index codes <u>B32B 2363/00</u> - <u>B32B 2383/00</u>
2391/00	Waxes
2395/00	Bituminous material, e.g. tar, asphalt
2398/00	Unspecified macromolecular compounds
2398/10	• Thermosetting resins
2398/20	• Thermoplastics

Particular articles

NOTE

Parts of specific articles are indexed with the same indexing codes as the articles

as the articles		
2405/00 Adhesive articles, e.g. adhesive tapes		
2410/00	Agriculture-related articles	
2413/00	Belts	
2419/00 2419/02 2419/04 2419/06	Buildings or parts thereofBricksTiles for floors or wallsRoofs, roof membranes	
2425/00	Cards, e.g. identity cards, credit cards	
2429/00 2429/02 2432/00	Carriers for sound or information Records or discs Cleaning articles, e.g. mops or wipes	
_ 10 _, 0 0		
2433/00	Closed loop articles	
2433/02	• Conveyor belts	
2433/04	Driving belts	
2435/00	Closures, end caps, stoppers	
2435/02	• for containers	
2437/00	Clothing	
2437/02	• Gloves, shoes	
2437/04	• Caps, helmets	
2439/00	Containers; Receptacles	
2439/02	Open containers	
2439/06	Bags, sacks, sachets	
2439/40	Closed containers	
2439/46	Bags	
2439/60	Bottles	
2439/62	Boxes, cartons, cases	
2439/66	Cans, tins	
2439/70	Food packaging	
2439/80	Medical packaging	

Particular articles B32B

2451/00	Decorative or ornamental articles	2605/08	• Cars
2457/00	Electrical equipment	2605/10 2605/12	TrainsShips
2457/04	. Insulators	2605/12	Submarines
2457/08	• PCBs, i.e. printed circuit boards	2605/18	Aircraft
2457/10	. Batteries		· /morare
2457/12	Photovoltaic modules	2607/00	Walls, panels
2457/14	Semiconductor wafers	2607/02	• Wall papers, wall coverings
2457/16	. Capacitors		
2457/18	• Fuel cells		
2457/20	Displays, e.g. liquid crystal displays, plasma displays		
2457/202	. LCD, i.e. liquid crystal displays		
2457/204	Plasma displays		
2457/206	Organic displays, e.g. OLED		
2457/208	Touch screens		
2459/00	Nets, e.g. camouflage nets		
2471/00	Floor coverings (<u>B32B 2419/04</u> takes precedence)		
2471/02	• Carpets		
2471/04	. Mats		
2475/00	Frictional elements		
2479/00	Furniture		
2509/00	Household appliances		
2509/10	Refrigerators or refrigerating equipment		
2519/00	Labels, badges		
2519/02	. RFID tags		
2535/00	Medical equipment, e.g. bandage, prostheses or catheter		
2551/00	Optical elements		
2551/08	Mirrors		
2553/00	Packaging equipment or accessories not otherwise		
2553/02	provided forShock absorbing		
2553/023	for use in loose form, e.g. dunnage		
2553/025	Bubble films		
2554/00	Paper of special types, e.g. banknotes		
2555/00 2555/02	Personal care Diapers or napkins		
2556/00	Patches, e.g. medical patches, repair patches		
2559/00	Photographic equipment or accessories		
2571/00	Protective equipment		
2571/00	defensive, e.g. armour plates or anti-ballistic		
2371/02	clothing		
2581/00	Seals; Sealing equipment; Gaskets		
2590/00	Signboards, advertising panels, road signs		
2597/00	Tubular articles, e.g. hoses, pipes		
2601/00	Upholstery		
2603/00	Vanes, blades, propellers, rotors with blades		
2605/00	Vehicles		
2605/003	. Interior finishings		
2605/006	Transparent parts other than made from inorganic		
	glass, e.g. polycarbonate glazings		