

CPC COOPERATIVE PATENT CLASSIFICATION

B41N PRINTING PLATES OR FOILS (photosensitive material G03); MATERIALS FOR SURFACES USED IN PRINTING MACHINES FOR PRINTING, INKING, DAMPING, OR THE LIKE; PREPARING SUCH SURFACES FOR USE AND CONSERVING THEM {In this subclass the COPES System is used}

1/00	Printing plates or foils; Materials therefor	3/003	<ul style="list-style-type: none"> • {of intaglio formes, e.g. application of a wear-resistant coating, such as chrome, on the already-engraved plate or cylinder; Preparing for reuse, e.g. removing of the Ballard shell; Correction of the engraving}
1/003	<ul style="list-style-type: none"> • {with ink adhesive means or adhesive forming means, such as adhesive siloxane or fluoro compounds, e.g. for dry lithographic printing} 		
1/006	<ul style="list-style-type: none"> • {made entirely of inorganic materials other than natural stone or metals, e.g. ceramics, carbide materials, ferroelectric materials} 	3/006	<ul style="list-style-type: none"> • {Cleaning, washing, rinsing or reclaiming of printing formes other than intaglio formes (B41N 3/06 takes precedence)}
1/02	<ul style="list-style-type: none"> • made of stone 	3/03	<ul style="list-style-type: none"> • Chemical or electrical pretreatment
1/04	<ul style="list-style-type: none"> • metallic 	3/032	<ul style="list-style-type: none"> • • {Graining by laser, arc or plasma means}
1/06	<ul style="list-style-type: none"> • • for relief printing or intaglio printing 	3/034	<ul style="list-style-type: none"> • • {characterised by the electrochemical treatment of the aluminum support, e.g. anodisation, electro-graining; Sealing of the anodised layer; Treatment of the anodic layer with inorganic compounds; Colouring of the anodic layer}
1/08	<ul style="list-style-type: none"> • • for lithographic printing {(B41N 1/003, B41N 3/03 take precedence; compositions of the image-forming layer B41C 1/10)} 	3/036	<ul style="list-style-type: none"> • • {characterised by the presence of a polymeric hydrophilic coating}
1/083	<ul style="list-style-type: none"> • • • {made of aluminium or aluminium alloys or having such surface layers (B41N 1/086 takes precedence)} 	3/038	<ul style="list-style-type: none"> • • {Treatment with a chromium compound, a silicon compound, a phosphorus compound or a compound of a metal of group IVB; Hydrophilic coatings obtained by hydrolysis of organometallic compounds}
1/086	<ul style="list-style-type: none"> • • • {laminated on a paper or plastic base} 		
1/10	<ul style="list-style-type: none"> • • • multiple 		
1/12	<ul style="list-style-type: none"> • non-metallic other than stone, {e.g. printing plates or foils comprising inorganic materials in an organic matrix (B41N 1/003, B41N 1/006 take precedence)} 	3/04	<ul style="list-style-type: none"> • Graining or abrasion by mechanical means (chemical graining B41N 3/03)
1/14	<ul style="list-style-type: none"> • • Lithographic printing foils {(B41N 1/003, B41N 3/03 take precedence; compositions of the image-forming layer B41C 1/10)} 	3/06	<ul style="list-style-type: none"> • by use of detergents
1/16	<ul style="list-style-type: none"> • Curved printing plates, especially cylinders {(B41N 1/003, B41N 1/006 take precedence)} 	3/08	<ul style="list-style-type: none"> • Damping; Neutralising or similar differentiation treatments for lithographic printing formes; {Gumming or finishing solutions, fountain solutions, correction or deletion fluids, or on-press development (treatment of materials containing silver salts G03F 7/063; developers per se for processing photosensitive materials G03F 7/32)}
1/18	<ul style="list-style-type: none"> • • made of stone 	6/00	Mounting boards; {Sleeves} Make-ready devices, e.g. underlays, overlays; Attaching by chemical means, e.g. vulcanising
1/20	<ul style="list-style-type: none"> • • made of metal {or similar inorganic compounds, e.g. plasma coated ceramics, carbides} 	6/02	<ul style="list-style-type: none"> • Chemical means for fastening printing formes on mounting boards
1/22	<ul style="list-style-type: none"> • • made of other substances 	7/00	Shells for rollers of printing machines
1/24	<ul style="list-style-type: none"> • Stencils; Stencil materials; Carriers therefor (stencilling apparatus for office or other commercial use B41L 13/00) 	7/005	<ul style="list-style-type: none"> • {Coating of the composition; Moulding; Reclaiming; Finishing; Trimming}
1/241	<ul style="list-style-type: none"> • • {characterised by the adhesive means} 	7/02	<ul style="list-style-type: none"> • of leather
1/242	<ul style="list-style-type: none"> • • {Backing sheets; Top sheets; Intercalated sheets, e.g. cushion sheets; Release layers or coatings; Means to obtain a contrasting image, e.g. with a carbon sheet or coating} 	7/04	<ul style="list-style-type: none"> • for damping rollers
1/243	<ul style="list-style-type: none"> • • {characterised by the ink pervious sheet, e.g. yoshino paper} 	7/06	<ul style="list-style-type: none"> • for inking rollers {(construction of inking rollers B41F 31/26)}
1/245	<ul style="list-style-type: none"> • • {characterised by the thermo-perforable polymeric film heat absorbing means or release coating therefor} 	10/00	Blankets or like coverings; Coverings for wipers for intaglio printing (wipers for intaglio printing B41F 9/08)
1/246	<ul style="list-style-type: none"> • • {characterised by the electroconductive means or additives} 	10/005	<ul style="list-style-type: none"> • {Coverings for wipers}
1/247	<ul style="list-style-type: none"> • • {Meshes, gauzes, woven or similar screen materials; Preparation thereof, e.g. by plasma treatment} 	10/02	<ul style="list-style-type: none"> • Blanket structure
1/248	<ul style="list-style-type: none"> • • {Mechanical details, e.g. fixation holes, reinforcement or guiding means; Perforation lines; Ink holding means; Visually or otherwise detectable marking means; Stencil units} 	10/04	<ul style="list-style-type: none"> • • multi-layer
3/00	Preparing for use and conserving printing surfaces	10/06	<ul style="list-style-type: none"> • • facilitating fastening to, or location on, supports
		11/00	Stereotype mats

99/00 Subject matter not provided for in other groups of this subclass

2207/00 Location or type of the layers in shells for rollers of printing machines

- 2207/02 . Top layers
- 2207/04 . Intermediate layers
- 2207/06 . Backcoats; Back layers; Bottom layers
- 2207/10 . characterised by inorganic compounds, e.g. pigments
- 2207/12 . characterised by non-macromolecular organic compounds
- 2207/14 . characterised by macromolecular organic compounds

2210/00 Location or type of the layers in multi-layer blankets or like coverings

- 2210/02 . Top layers
- 2210/04 . Intermediate layers
- 2210/06 . Backcoats; Back layers; Bottom layers
- 2210/10 . characterised by inorganic compounds, e.g. pigments
- 2210/12 . characterised by non-macromolecular organic compounds
- 2210/14 . characterised by macromolecular organic compounds