

CPC COOPERATIVE PATENT CLASSIFICATION

E FIXED CONSTRUCTIONS

BUILDING

E04 BUILDING

E04D ROOF COVERINGS; SKY-LIGHTS; GUTTERS; ROOF-WORKING TOOLS (coverings of outer walls by plaster or other porous material [E04F 13/00](#))

NOTE

In this subclass, the following expression is used with the meaning indicated:

- "roof coverings" includes any similar kind of watertight covering against rain, snow, hail, or the like, for other parts of buildings

WARNINGS

1. The following IPC groups are not used in the CPC scheme. Subject matter covered by these groups is classified in the following CPC groups:

E04D 3/3645	covered by	E04D 3/363
E04D 3/367	covered by	E04D 3/364
E04D 13/18	covered by	F24S 20/67 , H02S 20/23

2. In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

1/00	Roof covering by making use of tiles, slates, shingles, or other small roofing elements (roofing supports {or underlayers} E04D 12/00)	1/23	. . {with tapered thickness}
		1/24	. Roofing elements with cavities, e.g. hollow tiles (E04D 1/28 takes precedence)
2001/005	. {the roofing elements having a granulated surface}	1/26	. Strip-shaped roofing elements {simulating a repetitive pattern, e.g.} appearing as a row of shingles
1/02	. Grooved or vaulted roofing elements (E04D 1/28 , E04D 1/30 take precedence)		
1/025	. . {Diamond shaped and installed in diagonal lines}	1/265	. . {the roofing elements being rigid, e.g. made of metal, wood or concrete}
1/04	. . of ceramics, glass or concrete, with or without reinforcement	1/28	. Roofing elements comprising two or more layers, e.g. for insulation
1/045	. . . {Vaulted roofing elements laid alternately side-up and side-down, e.g. monks and nuns tiles}	1/29	. {Means for connecting or fastening adjacent roofing elements}
1/06	. . of metal	1/2907	. . {by interfitted sections}
1/08	. . of plastics; {of asphalt; } of fibrous materials	1/2914	. . . {having fastening means or anchors at juncture of adjacent roofing elements}
1/085	. . . {of wood}	1/2916	. . . . {the fastening means taking hold directly on adjacent elements of the same row}
1/10	. . of specified materials {not covered by any one of groups E04D 1/04 - E04D 1/085 }, or of combinations of materials, {where at least one is} not covered by any one of groups E04D 1/04 - E04D 1/085	1/2918	. . . . {the fastening means taking hold directly on adjacent elements of succeeding rows}
1/12	. Roofing elements shaped as plain tiles or shingles, i.e. with flat outer surface (E04D 1/28 , E04D 1/30 take precedence)	1/2921	. . . {having resilient detents adapted to be biased to a position to resist separation}
1/125	. . {Diamond shaped elements specially adapted for being installed in diagonal lines}	1/2928	. . . {having slits receiving marginal edge of adjacent section}
1/14	. . of slate material, with or without fastening means	1/2935	. . . {folded, rolled, or indented <u>in situ</u> }
1/16	. . of ceramics, glass or concrete, with or without reinforcement	1/2942	. . . {having folded sections receiving interfitted part of adjacent section}
1/18	. . of metal	1/2949	. . . {having joints with fluid-handling feature, e.g. a fluid channel for draining}
1/20	. . of plastics; {of asphalt; } of fibrous materials	1/2956	. . . {having tongues and grooves}
1/205	. . . {of wood}	1/2963	. . . {having laminated layers overlapping adjacent sections}
1/22	. . of specified materials {not covered by any one of groups E04D 1/14 - E04D 1/205 }, or of combinations of materials, {where at least one is} not covered by any one of groups E04D 1/14 - E04D 1/205	1/2984	. . {with spacing or space-forming features, e.g. braces, fillers or drains}

1/30	• Special roof-covering elements, e.g. ridge tiles, gutter tiles, gable tiles, ventilation tiles (E04D 3/40 takes precedence)	2001/3488	• • {characterised by the type of roof covering elements being fastened}
2001/301	• • {at roof edges, e.g. intersections with walls}	2001/3491	• • • {made of flexible material, e.g. shingles}
2001/302	• • • {Gable tiles}	2001/3494	• • • {made of rigid material having a flat external surface}
2001/303	• • • {Eave tiles}	2001/3497	• • • {Spanish type tiles}
2001/304	• • {at roof intersections, e.g. valley tiles, ridge tiles}	1/36	• Devices for sealing the spaces or joints between roof-covering elements (sealing joints not restricted to roof-covering elements E04B 1/68; {channels at the intersection of roof surfaces E04D 13/0445})
2001/305	• • • {Ridge or hip tiles}	1/365	• • {Sealing strips between lateral sides of roof-covering elements}
2001/306	• • • • {Under-ridge tiles}		
2001/307	• • {for passages in the roof surface}		
2001/308	• • {for special purposes not otherwise provided for, e.g. turfing tiles, step tiles}		
2001/309	• • {Ventilation tiles}		
1/34	• Fastenings for attaching roof-covering elements to the supporting elements	3/00	Roof covering by making use of flat or curved slabs or stiff sheets (E04D 1/00 takes precedence; built-up roofs E04D 11/02)
1/3402	• • {for ridge or roofhip tiles}		
1/3405	• • {for eaves, valley, or verge tiles}		
2001/3408	• • {characterised by the fastener type or material}		
2001/3411	• • • {Metal wires or rods}		
2001/3414	• • • {Metal strips or sheet metal}		
2001/3417	• • • {Synthetic, composite or molded material}		
2001/342	• • • {Flexible filamentous ties, e.g. to be twisted or forming nets}		
2001/3423	• • • {Nails, rivets, staples or straps piercing or perforating the roof covering material}		
2001/3426	• • • {Threaded elements, e.g. screws or bolts}	3/02	• of plane slabs, slates, or sheets, or in which the cross-section is unimportant (E04D 3/35 takes precedence)
2001/3429	• • • {Press-studs elements or hook and loop elements}	3/04	• • of concrete or ceramics (of asbestos cement E04D 3/18)
2001/3432	• • • {Strips covering the gap between the roof covering elements}	3/06	• • of glass or other translucent material; Fixing means therefor (fixing glass panes by means applicable to windows E06B 3/54)
2001/3435	• • • {Adhesive, hardenable or heat-sensitive material}	2003/065	• • • {Corner- or point-supported glazing}
2001/3438	• • • {Fasteners comprising several coacting elements}	3/08	• • • with metal glazing bars
2001/3441	• • • {Series of easily separable fasteners}	2003/0806	• • • • {the supporting section of the glazing bar consisting of one single extruded or rolled metal part}
2001/3444	• • {characterised by the roof covering or structure with integral or premounted fastening means}	2003/0812	• • • • {the supporting section of the glazing bar consisting of one single bent or otherwise deformed sheetmetal}
2001/3447	• • • {the fastening means being integral or premounted to the roof covering}	2003/0818	• • • • {the supporting section of the glazing bar consisting of several parts, e.g. compound sections}
2001/345	• • • {the fastening means being integral or premounted to the roof structure}	2003/0825	• • • • • {the metal section covered by parts of other material}
2001/3452	• • {characterised by the location of the fastening means}	2003/0831	• • • • • {Glazing gaskets of particular shape}
2001/3455	• • • {on the internal surface of the roof covering elements}	2003/0837	• • • • • {Sections comprising intermediate parts of insulating material}
2001/3458	• • • {on the upper or lower transverse edges of the roof covering elements}	2003/0843	• • • • {Clamping of the sheets or glass panes to the glazing bars by means of covering strips}
2001/3461	• • • {on the lateral edges of the roof covering elements}	2003/085	• • • • • {locked by snap action}
2001/3464	• • • {on the lateral corners of the roof covering elements for diagonally tiled roofs}	2003/0856	• • • • • {locked by screws, bolts or pins}
2001/3467	• • • {through apertures, holes or slots}	2003/0862	• • • • • {by means of separate clips or hooks}
2001/347	• • {characterised by the fastening pattern}	2003/0868	• • • • • {Mutual connections and details of glazing bars}
2001/3473	• • • {fastening single roof elements to the roof structure with or without indirect clamping of neighbouring roof covering elements}	2003/0875	• • • • • {on the ridge of the roof or on intersecting roof parts}
2001/3476	• • • {the fastening means taking hold directly on adjacent elements of the same row and fastening them simultaneously to the roof structure}	2003/0881	• • • • • {on the eaves of the roof}
2001/3482	• • • {the fastening means taking hold directly on elements of succeeding rows and fastening them simultaneously to the structure}	2003/0887	• • • • {Glazing bars for coverings consisting of more than one sheet or glass pane}
		2003/0893	• • • • {Glazing bars comprising means for draining condensation water or infiltrated rainwater}
		3/14	• • • with glazing bars of other material, e.g. of glass
		3/16	• • of metal

NOTE

In groups [E04D 3/361 - E04D 3/368](#), additional small fastening elements, e.g. nails, screws, are not to be considered to be separate connecting elements.

{This Note corresponds to IPC Note (1) relating to [E04D 3/361 - E04D 3/368](#).}

- 3/18 . . of specified materials, or of combinations of materials, not covered by any of groups [E04D 3/04](#), [E04D 3/06](#) or [E04D 3/16](#)
- 3/24 . . with special cross-section, e.g. with corrugations on both sides, with ribs, flanges, or the like ([E04D 3/35 takes precedence](#))
- 3/26 . . of concrete or ceramics
- 3/28 . . of glass {or other translucent material}
- 2003/285 . . . {with specially profiled marginal portions for connecting purposes}
- 3/30 . . of metal
- 3/32 . . of plastics, fibrous materials, or asbestos cement
- 3/34 . . of specified materials, or of combinations of materials, not covered by any one of groups [E04D 3/26](#) - [E04D 3/32](#)
- 3/35 . Roofing slabs or stiff sheets comprising two or more layers, e.g. for insulation {(self-supporting roofing slabs laminated with layers of insulating material [E04B 7/22](#); insulating devices or arrangements in the roof covering [E04D 13/16](#); connecting, fastening of double roof covering [E04D 3/3608](#))}
- 3/351 . . {at least one of the layers being composed of insulating material, e.g. fibre or foam material}
- 3/352 . . . {at least one insulating layer being located between non-insulating layers, e.g. double skin slabs or sheets}
- 3/354 . . . {more than one of the layers being composed of insulating material}
- 3/355 . . . {the insulating layers of adjacent slabs having cooperating edges}
- 3/357 . . {comprising hollow cavities}
- 3/358 . . {with at least one of the layers being offset with respect to another layer}
- 3/36 . Connecting; Fastening
- 3/3601 . . {of roof covering supported by the roof structure with interposition of a insulating layer ([E04D 3/3607](#), [E04D 3/3608](#), [E04D 3/361](#) - [E04D 3/369 take precedence](#))}
- 3/3602 . . . {The fastening means comprising elongated profiles installed in or on the insulation layer}
- 3/3603 . . . {the fastening means being screws or nails}
- 3/3605 . . {of roof covering supported directly by the roof structure ([E04D 3/3607](#), [E04D 3/3608](#), [E04D 3/361](#) - [E04D 3/369 take precedence](#))}
- 3/3606 . . . {the fastening means being screws or nails}
- 3/3607 . . {the fastening means comprising spacer means adapted to the shape of the profiled roof covering}
- 3/3608 . . {for double roof covering or overroofing}
- 3/361 . . by specially-profiled marginal portions of the slabs or sheets
- 2003/3612 . . . {Separate fastening elements fixed to the roof structure and comprising plastic parts for avoiding thermal bridges}
- 2003/3615 . . . {Separate fastening elements fixed to the roof structure and consisting of parts permitting relative movement to each other, e.g. for thermal expansion}
- 2003/3617 . . . {with locking or snapping edges located in the thickness of the slab or sheet}
- 3/362 . . . by locking the edge of one slab or sheet within the profiled marginal portion of the adjacent slab or sheet, e.g. using separate connecting elements
- 3/363 . . . with snap action ([E04D 3/366 takes precedence](#))
- 3/364 . . . {by folding of the edges}
- 3/365 . . by simple overlapping of the marginal portions with use of separate connecting elements, e.g. hooks or bolts for corrugated sheets
- 3/366 . . by closing the space between the slabs or sheets by gutters, bulges, or bridging elements, e.g. strips
- 3/368 . . by forcing together the marginal portions of adjacent slabs or sheets
- 3/369 . . by welding of the marginal portions of adjacent slabs or sheets {also by soldering, glueing}
- 3/38 . Devices for sealing spaces or joints between roof-covering elements ([E04D 3/36 takes precedence](#); sealing joints not restricted to roof-covering elements [E04B 1/68](#))
- 3/40 . Slabs or sheets locally modified for auxiliary purposes, e.g. for resting on walls, for serving as guttering; Elements for particular purposes, e.g. ridge elements, specially designed for use in conjunction with slabs or sheets {([E04D 13/15](#) and [E04D 13/174 take precedence](#); ridge sealing [E04D 1/36](#); solar collectors [F24S 20/67](#); photovoltaic devices [H01L 31/00](#))}
- 3/405 . . {Wall copings}
- 5/00 Roof covering by making use of flexible material, e.g. supplied in roll form (using stiff sheets [E04D 3/00](#); gravelling of flat roofs [E04D 7/00](#) {; granulated roof covering [E04D 7/005](#)}; built-up roofs [E04D 11/02](#))**
- NOTE**
Group [E04D 5/12](#) takes precedence over groups [E04D 5/02](#) - [E04D 5/10](#)
- 5/02 . of materials impregnated with sealing substances, e.g. roofing felt
- 5/04 . by making use of metal foils
- 5/06 . by making use of plastics
- 5/08 . by making use of other materials
- 5/10 . by making use of compounded or laminated materials, e.g. metal foils or plastic films coated with bitumen
- 5/12 . specially modified, e.g. perforated, with granulated surface, with attached pads
- 5/14 . Fastening means therefor
- 5/141 . . {characterised by the location of the fastening means}
- 5/142 . . . {along the edge of the flexible material}
- 5/143 . . . {in the field of the flexible material}
- 5/144 . . {Mechanical fastening means}
- 5/145 . . . {Discrete fastening means, e.g. discs or clips}
- 5/146 . . . {Linear fastening means, e.g. strips}
- 5/147 . . . {not perforating the flexible material}
- 5/148 . . {fastening by gluing}
- 5/149 . . {fastening by welding}
- 7/00 Roof covering {exclusively consisting of} sealing masses applied in situ; Gravelling of flat roofs**
- 7/005 . {characterised by loose or embedded gravel or granules as an outer protection of the roof covering}

9/00	Roof covering by using straw, thatch, or like materials (impregnation against incendiary damage B27K)	2013/0345	. . . {with skylight shafts extending from roof to ceiling}
11/00	Roof covering, as far as not restricted to features covered by only one of groups E04D 1/00 - E04D 9/00; Roof covering in ways not provided for by groups E04D 1/00 - E04D 9/00, {e.g. built-up roofs, elevated load-supporting roof coverings}	13/035	. . characterised by having movable parts { (preventing the spread of fire A62C 3/00 ; roof structures with movable roof parts E04B 7/16 ; operating mechanisms for sky-lights E05F 11/00 ; automatically acting closers E05F 17/00) }
11/002	. {consisting of two or more layers, at least one of the layers permitting turfing of the roof}	13/0351	. . . {the parts pivoting about a fixed axis}
11/005	. {Supports for elevated load-supporting roof coverings}	13/0352	. . . . {the parts being of domed or pyramidal shape}
11/007	. . {Height-adjustable spacers}	13/0354	. . . . {the parts being flat}
11/02	. Build-up roofs, i.e. consisting of two or more layers bonded together <i>in situ</i> , at least one of the layers being of watertight composition (gravelling of flat roofs E04D 7/00 ; venting or ventilation E04D 13/17)	13/0355	. . . . {The parts being of vaulted shape}
12/00	Non-structural supports for roofing materials, e.g. battens, boards (E04D 11/02 {and E04D 13/16} take precedence; {self-supporting slabs with non-structural supports for roofing materials E04B 7/205})	13/0357	. . . {the parts pivoting about an axis supported on a hinged frame or arms}
12/002	. {Sheets of flexible material, e.g. roofing tile underlay}	13/0358	. . . {the parts moving, in their own plane, e.g. rolling or sliding, or moving in parallel planes with or without an additional movement, e.g. both pivoting and rolling or sliding}
12/004	. {Battens}	13/04	. Roof drainage; Drainage fittings in flat roofs, {balconies or the like} (gutter tiles E04D 1/30 ; gutter slabs E04D 3/40 ; {vessels for collecting rainwater E03B 3/03 ; } street gullies E03F 5/04)
12/006	. . {Batten-supporting means}	13/0404	. . {Drainage on the roof surface}
12/008	. . . {Ridge-batten brackets}	13/0409	. . . {Drainage outlets, e.g. gullies}
13/00	Special arrangements or devices in connection with roof coverings; {Protection against birds}; Roof drainage; {Sky-lights} (ventilation tiles E04D 1/30; ventilation slabs E04D 3/40; internal channels E04F 17/00; elements therefor, <i>see</i> the relevant groups)	2013/0413	. . . . {Strainers for drainage outlets}
13/002	. {Provisions for preventing vegetational growth, e.g. fungi, algae or moss}	2013/0418	. . . . {with de-icing devices or snow melters}
13/004	. {Protection against birds, mice or the like (scaring devices for birds in general A01M 29/00)}	2013/0422	. . . . {for draining water above the roof level, e.g. gullies with overflow ports}
13/006	. {Provisions for detecting water leakage}	2013/0427	. . . . {with means for controlling the flow in the outlet}
13/008	. {Provisions for reducing rain noise}	13/0431	. . . . {with horizontal evacuation over the border of the roof}
13/02	. Roof-covering aspects of dormer windows (E04D 13/14 takes precedence; structures therefor E04B 7/18)	2013/0436	. . . . {with sealing means}
13/03	. Sky-lights; Domes; Ventilating sky-lights (E04D 13/14 takes precedence; structures therefor, {e.g. dormer windows} E04B 7/18 ; {saw-tooth roofs with light-transmission E04B 7/12 })	2013/044	. . . . . {on multiple levels}
13/0305	. . {Supports or connecting means for sky-lights of flat or domed shape}	13/0445	. . . {Drainage channels}
13/031	. . . {characterised by a frame for connection to an inclined roof}	2013/045	. . . . {on inclined roofs}
13/0315	. . . {characterised by a curb frame}	2013/0454	. . . . . {at the intersection of roof surfaces, e.g. roof valleys}
13/032	. . {Supports or connecting means for sky-lights of vaulted shape}	13/0459	. . . {Drainage borders, e.g. dripping edges, gravel stops or dispersers}
13/0325	. . {provided with ventilating means (roof ventilation F24F 7/02)}	2013/0463	. . . . {Dispersers}
13/033	. . {provided with means for controlling the light-transmission or the heat-reflection, (e.g. shields, reflectors, cleaning devices)}	2013/0468	. . . . {Drip edges}
13/0335	. . {Skylight guards, security devices protecting skylights or preventing objects or persons from falling through skylight openings}	2013/0472	. . . . {Gravel stops}
2013/034	. . {Daylight conveying tubular skylights}	13/0477	. . . {Underroof drainage layers (layers permitting turfing of the roof E04D 11/002)}
		13/0481	. . . {Drainage guiding provisions, e.g. deflectors or stimulation by inclined surfaces}
		2013/0486	. . . . {Deflectors}
		2013/049	. . . {of condensation water or infiltrated rainwater}
		2013/0495	. . . {to storage tanks}
		13/064	. Gutters { (drainage channels on the roof surface E04D 13/0445 ; gutters for greenhouses A01G 9/1476) }
		13/0641	. . . {Gutter ends}
		13/0643	. . . {Gutter corners}
		13/0645	. . . {Connections between gutter and down pipe}
		13/0646	. . . {made of concrete or stone-like material}
		13/0648	. . . {comprising provisions for heat insulation, e.g. an insulation layer}
		13/068	. . . Means for fastening gutter parts together
		13/0685	. . . . {in combination with hanging means}

13/072	. . . Hanging means (in combination with means for fastening gutter parts together (E04D 13/0685))	13/1476	. . . . {wherein the parts extending above the roof have a generally circular cross-section}
13/0722	. . . . {extending mainly under the gutter}	13/1478	. . . . {Junctions to walls extending above the roof}
13/0725	. . . . {situated above or inside the gutter}	13/15	. Trimming strips; Edge strips; Fascias; {Expansion joints for roofs (wall copings E04D 3/405; drainage borders E04D 13/0459; joints in general E04B 1/68)}
13/0727	. . . . {situated mainly at the rear side of the gutter}	13/151	. . {Expansion joints for roofs}
13/076	. . Devices or arrangements for removing snow, ice or debris from gutters or for preventing accumulation thereof	13/152	. . with ventilating means {in soffits or fascias; (on the eaves of the roof E04D 13/178)}
13/0762	. . . {De-icing devices or snow melters}	13/155	. . retaining the roof sheathing
13/0765	. . . {Cleaning tools}	13/158	. . covering the overhang at the eave side, e.g. soffits, or the verge of saddle roofs
13/0767	. . . {Strainers at connection between gutter and down pipe}	13/1585	. . . {covering the verge of saddle roofs (gable tiles E04D 1/30)}
13/08	. . Down pipes; Special clamping means therefor (clamping pipes in general F16B, F16L)	13/16	. Insulating devices or arrangements in so far as the roof covering is concerned, {e.g. characterised by the material or composition of the roof insulating material or its integration in the roof structure}
2013/0806	. . . {Details of lower end of down pipes, e.g. connection to water disposal system}	13/1606	. . {Insulation of the roof covering characterised by its integration in the roof structure (self-supporting insulating slabs E04B 7/22, E04B 7/225)}
2013/0813	. . . . {Water diverters}	13/1612	. . . {the roof structure comprising a supporting framework of roof purlins or rafters}
2013/082	. . . {Down pipe branches}	13/1618	. . . . {with means for fixing the insulating material between the roof covering and the upper surface of the roof purlins or rafters}
2013/0826	. . . {Passages of down pipes through walls or floors}	13/1625	. . . . {with means for supporting the insulating material between the purlins or rafters (insulating layers disposed between two longitudinal supporting elements E04B 1/7654)}
2013/0833	. . . {Elbow pieces}	13/1631	. . . . . {the means deriving from the nature or the shape of the insulating material itself}
2013/084	. . . {Means for fixing down pipes to structure}	13/1637	. . . . {the roof purlins or rafters being mainly insulated from the interior, e.g. the insulating material being fixed under or suspended from the supporting framework}
2013/0846	. . . {Interconnecting down pipe parts}	13/1643	. . . {the roof structure being formed by load bearing corrugated sheets, e.g. profiled sheet metal roofs}
2013/0853	. . . {Valves for controlling the rain water flow}	13/165	. . . . {Double skin roofs}
2013/086	. . . {Filters}	13/1656	. . . . {Closure strips or elements filling the spaces between the corrugated sheets and a supporting wall}
2013/0866	. . . {Access opening for cleaning; Devices for avoiding cumulation of debris}	13/1662	. . . {Inverted roofs or exteriorly insulated roofs}
2013/0873	. . . {Rain water reservoirs integrated in down pipes}	13/1668	. . . {the insulating material being masses or granules applied <u>in situ</u> }
2013/088	. . . {De-icing devices or snow melters}	13/1675	. . . . {on saddle-roofs or inclined roof surfaces}
2013/0886	. . . {Devices for preventing climbing on down pipes}	13/1681	. . . {Insulating of pre-existing roofs with or without ventilating arrangements}
2013/0893	. . . {incorporated in building structure}	13/1687	. . {the insulating material having provisions for roof drainage}
13/10	. Snow traps {; Removing snow from roofs; Snow melters}	13/1693	. . . {the upper surface of the insulating material forming an inclined surface}
13/103	. . {De-icing devices or snow melters (for drainage outlets E04D 13/0409, for gutters E04D 13/0762, for down pipes E04D 13/08)}	13/17	. Ventilation of roof coverings not otherwise provided for (ventilation of rooms or spaces F24F)
13/106	. . {Snow removing devices (for gutters E04D 13/076)}	13/172	. . {Roof insulating material with provisions for or being arranged for permitting ventilation of the roof covering}
13/12	. Devices or arrangements allowing walking on the roof or in the gutter	13/174	. . {on the ridge of the roof}
13/14	. Junctions of roof sheathings to chimneys or other parts extending above the roof	13/176	. . . {formed by flexible material suitable to be rolled up}
13/1407	. . {for flat roofs}		
13/1415	. . . {Junctions to walls extending above the perimeter of the roof (trimming strips, edge strips or fascias retaining the roof sheathing E04D 13/155)}		
2013/1422	. . {Parapet building elements for retaining the roof flashing}		
13/143	. . with ventilating means {in junctions of roof sheathings to parts extending above the roof}		
13/147	. . specially adapted for inclined roofs {(trays for cavity walls E04B 1/70)}		
13/1471	. . . {using a hinge mechanism for adaptation to the inclined roof}		
13/1473	. . . {specially adapted to the cross-section of the parts extending above the roof}		
13/1475	. . . . {wherein the parts extending above the roof have a generally rectangular cross-section}		

E04D

- 13/178 . . {on the eaves of the roof}
- 15/00 Apparatus or tools for roof working**
- 15/003 . {for removing roof material (for floor coverings [E04G 23/006](#))}
- 15/006 . {for cleaning the roof (for cleaning gutters [E04D 13/0765](#); for removing snow from roofs [E04D 13/106](#))}
- 15/02 . for roof coverings comprising tiles, shingles, or like roofing elements {([E04D 15/003](#) takes precedence)}
- 15/025 . . {Templates, gauges or spacers for installing roof tiles or roof laths (templates for rafters [E04G 21/1891](#))}
- 15/04 . for roof coverings comprising slabs, sheets or flexible material
- 2015/042 . . {Fixing to the roof supporting structure}
- 2015/045 . . . {by nailing}
- 2015/047 . . . {by screwing}
- 15/06 . for handling roofing or sealing material in roll form
- 15/07 . for handling roofing or sealing material in bulk form