

CPC COOPERATIVE PATENT CLASSIFICATION

B PERFORMING OPERATIONS; TRANSPORTING

(NOTES omitted)

PRINTING

B41 PRINTING; LINING MACHINES; TYPEWRITERS; STAMPS (reproduction or duplication of pictures or patterns by scanning and converting into electrical signals [H04N](#))

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	1/246	. . {characterised by the electroconductive means or additives}
1/003	. {with ink adhesive means or adhesive forming means, such as adhesive siloxane or fluoro compounds, e.g. for dry lithographic printing}	1/247	. . {Meshes, gauzes, woven or similar screen materials; Preparation thereof, e.g. by plasma treatment}
1/006	. {made entirely of inorganic materials other than natural stone or metals, e.g. ceramics, carbide materials, ferroelectric materials}	1/248	. . {Mechanical details, e.g. fixation holes, reinforcement or guiding means; Perforation lines; Ink holding means; Visually or otherwise detectable marking means; Stencil units}
1/02	. made of stone		
1/04	. metallic		
1/06	. . for relief printing or intaglio printing	3/00	Preparing for use and conserving printing surfaces
1/08	. . for lithographic printing {(B41N 1/003 , B41N 3/03 take precedence; compositions of the image-forming layer B41C 1/10)}	3/003	. {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}
1/083	. . . {made of aluminium or aluminium alloys or having such surface layers (B41N 1/086 takes precedence)}	3/006	. {Cleaning, washing, rinsing or reclaiming of printing formes other than intaglio formes (B41N 3/06 takes precedence)}
1/086	. . . {laminated on a paper or plastic base}	3/03	. Chemical or electrical pretreatment
1/10	. . . multiple	3/032	. . {Graining by laser, arc or plasma means}
1/12	. 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)}	3/034	. . {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}
1/14	. . Lithographic printing foils {(B41N 1/003 , B41N 3/03 take precedence; compositions of the image-forming layer B41C 1/10)}	3/036	. . {characterised by the presence of a polymeric hydrophilic coating}
1/16	. Curved printing plates, especially cylinders {(B41N 1/003 , B41N 1/006 take precedence)}	3/038	. . {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}
1/18	. . made of stone	3/04	. Graining or abrasion by mechanical means (chemical graining B41N 3/03)
1/20	. . made of metal {or similar inorganic compounds, e.g. plasma coated ceramics, carbides}	3/06	. by use of detergents
1/22	. . made of other substances	3/08	. 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)}
1/24	. Stencils; Stencil materials; Carriers therefor (stencilling apparatus for office or other commercial use B41L 13/00)		
1/241	. . {characterised by the adhesive means}		
1/242	. . {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}		
1/243	. . {characterised by the ink pervious sheet, e.g. yoshino paper}		
1/245	. . {characterised by the thermo-perforable polymeric film heat absorbing means or release coating therefor}		

6/00 Mounting boards; {Sleeves} Make-ready devices, e.g. underlays, overlays; Attaching by chemical means, e.g. vulcanising

- 6/02 . Chemical means for fastening printing formes on mounting boards

7/00 Shells for rollers of printing machines

- 7/005 . {Coating of the composition; Moulding; Reclaiming; Finishing; Trimming}
- 7/02 . of leather
- 7/04 . for damping rollers
- 7/06 . for inking rollers {(construction of inking rollers [B41F 31/26](#))}

10/00 Blankets or like coverings; Coverings for wipers for intaglio printing (wipers for intaglio printing [B41F 9/08](#))

- 10/005 . {Coverings for wipers}
- 10/02 . Blanket structure
- 10/04 . . multi-layer
- 10/06 . . 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