

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 }

B41N 1/00

Printing plates or foils; Materials therefor

B41N 1/003

- . { with ink adhesive means or adhesive forming means, such as adhesive siloxane or fluoro compounds, e.g. for dry lithographic printing }

B41N 1/006

- . { made entirely of inorganic materials other than natural stone or metals, e.g. ceramics, carbide materials, ferroelectric materials }

B41N 1/02

- . made of stone

B41N 1/04

- . metallic

B41N 1/06

- .. for relief printing or intaglio printing

B41N 1/08

- .. for lithographic printing {(B41N 1/003, B41N 3/03 take precedence; compositions of the image-forming layer B41C 1/10)}

B41N 1/083

- ... { made of aluminium or aluminium alloys or having such surface layers (B41N 1/086 takes precedence)}

B41N 1/086

- ... { laminated on a paper or plastic base }

B41N 1/10

- ... multiple

B41N 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)}

B41N 1/14

- .. Lithographic printing foils {(B41N 1/003, B41N 3/03 take precedence; compositions of the image-forming layer B41C 1/10)}

B41N 1/16

- . Curved printing plates, especially cylinders {(B41N 1/003, B41N 1/006 take precedence)}

B41N 1/18

- .. made of stone

B41N 1/20

- .. made of metal { or similar inorganic compounds, e.g. plasma coated ceramics, carbides }

B41N 1/22

- .. made of other substances

B41N 1/24

- . Stencils; Stencil materials; Carriers therefor ([stencilling apparatus for office or other commercial use B41L 13/00](#))

B41N 1/241

- .. { characterised by the adhesive means }

B41N 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 }

B41N 1/243

- .. { characterised by the ink pervious sheet, e.g. yoshino paper }

- B41N 1/245 . . { characterised by the thermo-perforable polymeric film heat absorbing means or release coating therefor }
- B41N 1/246 . . { characterised by the electroconductive means or additives }
- B41N 1/247 . . { Meshes, gauzes, woven or similar screen materials; Preparation thereof, e.g. by plasma treatment }
- B41N 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 }

B41N 3/00 Preparing for use and conserving printing surfaces

- B41N 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 }
- B41N 3/006 . { Cleaning, washing, rinsing or reclaiming of printing formes other than intaglio formes ([B41N 3/06](#) takes precedence)}
- B41N 3/03 . Chemical or electrical pretreatment
- B41N 3/032 . . { Graining by laser, arc or plasma means }
- B41N 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 }
- B41N 3/036 . . { characterised by the presence of a polymeric hydrophilic coating }
- B41N 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 }
- B41N 3/04 . Graining or abrasion by mechanical means ([chemical graining B41N 3/03](#))
- B41N 3/06 . by use of detergents
- B41N 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 7/06L](#); developers per se for processing photosensitive materials [G03F 7/32](#))}

B41N 6/00 Mounting boards; { Sleeves } Make-ready devices, e.g. underlays, overlays; Attaching by chemical means, e.g. vulcanising

- B41N 6/02 . Chemical means for fastening printing formes on mounting boards

B41N 7/00 Shells for rollers of printing machines

- B41N 7/005 . { Coating of the composition; Moulding; Reclaiming; Finishing; Trimming }
- B41N 7/02 . of leather

B41N 7/04	. for damping rollers
B41N 7/06	. for inking rollers { construction of inking rollers B41F 31/26 }
B41N 10/00	Blankets or like coverings; Coverings for wipers for intaglio printing (wipers for intaglio printing B41F 9/08)
B41N 10/005	. { Coverings for wipers }
B41N 10/02	. Blanket structure
B41N 10/04	. . multi-layer
B41N 10/06	. . facilitating fastening to, or location on, supports
B41N 11/00	Stereotype mats
B41N 99/00	Subject matter not provided for in other groups of this subclass
B41N 2207/00	Location or type of the layers in shells for rollers of printing machines
B41N 2207/02	. Top layers
B41N 2207/04	. Intermediate layers
B41N 2207/06	. Backcoats; Back layers; Bottom layers
B41N 2207/10	. characterised by inorganic compounds, e.g. pigments
B41N 2207/12	. characterised by non-macromolecular organic compounds
B41N 2207/14	. characterised by macromolecular organic compounds
B41N 2210/00	Location or type of the layers in multi-layer blankets or like coverings
B41N 2210/02	. Top layers
B41N 2210/04	. Intermediate layers
B41N 2210/06	. Backcoats; Back layers; Bottom layers
B41N 2210/10	. characterised by inorganic compounds, e.g. pigments
B41N 2210/12	. characterised by non-macromolecular organic compounds
B41N 2210/14	. characterised by macromolecular organic compounds