

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