

**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 abhesive means or abhesive forming means, such as abhesive 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