

**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