

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}

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| B41N 1/248 | <ul style="list-style-type: none"> .. {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 | <ul style="list-style-type: none"> . {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 | <ul style="list-style-type: none"> . {Cleaning, washing, rinsing or reclaiming of printing formes other than intaglio formes (B41N 3/06 takes precedence)} |
| B41N 3/03 | <ul style="list-style-type: none"> . Chemical or electrical pretreatment |
| B41N 3/032 | <ul style="list-style-type: none"> .. {Graining by laser, arc or plasma means} |
| B41N 3/034 | <ul style="list-style-type: none"> .. {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 | <ul style="list-style-type: none"> .. {characterised by the presence of a polymeric hydrophilic coating} |
| B41N 3/038 | <ul style="list-style-type: none"> .. {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 | <ul style="list-style-type: none"> . Graining or abrasion by mechanical means (chemical graining B41N 3/03) |
| B41N 3/06 | <ul style="list-style-type: none"> . by use of detergents |
| B41N 3/08 | <ul style="list-style-type: none"> . 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)} |
| B41N 6/00 | Mounting boards; { Sleeves} Make-ready devices, e.g. underlays, overlays; Attaching by chemical means, e.g. vulcanising |
| B41N 6/02 | <ul style="list-style-type: none"> . Chemical means for fastening printing formes on mounting boards |
| B41N 7/00 | Shells for rollers of printing machines |
| B41N 7/005 | <ul style="list-style-type: none"> . {Coating of the composition; Moulding; Reclaiming; Finishing; Trimming} |
| B41N 7/02 | <ul style="list-style-type: none"> . of leather |
| B41N 7/04 | <ul style="list-style-type: none"> . for damping rollers |
| B41N 7/06 | <ul style="list-style-type: none"> . 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 | <ul style="list-style-type: none"> . {Coverings for wipers} |
| B41N 10/02 | <ul style="list-style-type: none"> . Blanket structure |
| B41N 10/04 | <ul style="list-style-type: none"> .. multi-layer |
| B41N 10/06 | <ul style="list-style-type: none"> .. 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