

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	<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