

**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"> <li>. . {Mechanical details, e.g. fixation holes, reinforcement or guiding means; Perforation lines; Ink holding means; Visually or otherwise detectable marking means; Stencil units}</li> </ul>
<b>B41N 3/00</b>	<b>Preparing for use and conserving printing surfaces</b>
B41N 3/003	<ul style="list-style-type: none"> <li>. {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}</li> </ul>
B41N 3/006	<ul style="list-style-type: none"> <li>. {Cleaning, washing, rinsing or reclaiming of printing formes other than intaglio formes (<a href="#">B41N 3/06</a> takes precedence)}</li> </ul>
B41N 3/03	<ul style="list-style-type: none"> <li>. Chemical or electrical pretreatment</li> </ul>
B41N 3/032	<ul style="list-style-type: none"> <li>. . {Graining by laser, arc or plasma means}</li> </ul>
B41N 3/034	<ul style="list-style-type: none"> <li>. . {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}</li> </ul>
B41N 3/036	<ul style="list-style-type: none"> <li>. . {characterised by the presence of a polymeric hydrophilic coating}</li> </ul>
B41N 3/038	<ul style="list-style-type: none"> <li>. . {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}</li> </ul>
B41N 3/04	<ul style="list-style-type: none"> <li>. Graining or abrasion by mechanical means (<a href="#">chemical graining B41N 3/03</a>)</li> </ul>
B41N 3/06	<ul style="list-style-type: none"> <li>. by use of detergents</li> </ul>
B41N 3/08	<ul style="list-style-type: none"> <li>. Damping; Neutralising or similar differentiation treatments for lithographic printing formes; { Gumming or finishing solutions, fountain solutions, correction or deletion fluids, or on-press development (<a href="#">treatment of materials containing silver salts G03F 7/063</a>; <a href="#">developers per se for processing photosensitive materials G03F 7/32</a>)}</li> </ul>
<b>B41N 6/00</b>	<b>Mounting boards; { Sleeves} Make-ready devices, e.g. underlays, overlays; Attaching by chemical means, e.g. vulcanising</b>
B41N 6/02	<ul style="list-style-type: none"> <li>. Chemical means for fastening printing formes on mounting boards</li> </ul>
<b>B41N 7/00</b>	<b>Shells for rollers of printing machines</b>
B41N 7/005	<ul style="list-style-type: none"> <li>. {Coating of the composition; Moulding; Reclaiming; Finishing; Trimming}</li> </ul>
B41N 7/02	<ul style="list-style-type: none"> <li>. of leather</li> </ul>
B41N 7/04	<ul style="list-style-type: none"> <li>. for damping rollers</li> </ul>
B41N 7/06	<ul style="list-style-type: none"> <li>. for inking rollers { <a href="#">construction of inking rollers B41F 31/26</a>}</li> </ul>
<b>B41N 10/00</b>	<b>Blankets or like coverings; Coverings for wipers for intaglio printing (<a href="#">wipers for intaglio printing B41F 9/08</a>)</b>
B41N 10/005	<ul style="list-style-type: none"> <li>. {Coverings for wipers}</li> </ul>
B41N 10/02	<ul style="list-style-type: none"> <li>. Blanket structure</li> </ul>
B41N 10/04	<ul style="list-style-type: none"> <li>. . multi-layer</li> </ul>
B41N 10/06	<ul style="list-style-type: none"> <li>. . facilitating fastening to, or location on, supports</li> </ul>
<b>B41N 11/00</b>	<b>Stereotype mats</b>
<b>B41N 99/00</b>	<b>Subject matter not provided for in other groups of this subclass</b>

**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