

# CPC COOPERATIVE PATENT CLASSIFICATION

## B PERFORMING OPERATIONS; TRANSPORTING

(NOTES omitted)

### PRINTING

**B41 PRINTING; LINING MACHINES; TYPEWRITERS; STAMPS** (reproduction or duplication of pictures or patterns by scanning and converting into electrical signals [H04N](#))

**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}

#### WARNING

In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

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|--------------|--|--------------|--|
| <b>1/00</b>  | <b>Printing plates or foils; Materials therefor</b>  | <b>1/245</b> | . . {characterised by the thermo-perforable polymeric film heat absorbing means or release coating therefor}   |
| <b>1/003</b> | . {with ink abhesive means or abhesive forming means, such as abhesive siloxane or fluoro compounds, e.g. for dry lithographic printing}   | <b>1/246</b> | . . {characterised by the electroconductive means or additives}  |
| <b>1/006</b> | . {made entirely of inorganic materials other than natural stone or metals, e.g. ceramics, carbide materials, ferroelectric materials}   | <b>1/247</b> | . . {Meshes, gauzes, woven or similar screen materials; Preparation thereof, e.g. by plasma treatment}   |
| <b>1/02</b>  | . made of stone  | <b>1/248</b> | . . {Mechanical details, e.g. fixation holes, reinforcement or guiding means; Perforation lines; Ink holding means; Visually or otherwise detectable marking means; Stencil units}   |
| <b>1/04</b>  | . metallic   |              |  |
| <b>1/06</b>  | . . for relief printing or intaglio printing   |              |  |
| <b>1/08</b>  | . . for lithographic printing {(B41N 1/003, B41N 3/03 take precedence; compositions of the image-forming layer B41C 1/10)}   |              |  |
| <b>1/083</b> | . . . {made of aluminium or aluminium alloys or having such surface layers (B41N 1/086 takes precedence)}  | <b>3/00</b>  | <b>Preparing for use and conserving printing surfaces</b>  |
| <b>1/086</b> | . . . {laminated on a paper or plastic base}   | <b>3/003</b> | . {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}                  |
| <b>1/10</b>  | . . . multiple   |              |  |
| <b>1/12</b>  | . 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)}                   | <b>3/006</b> | . {Cleaning, washing, rinsing or reclaiming of printing formes other than intaglio formes (B41N 3/006 takes precedence)}   |
| <b>1/14</b>  | . . Lithographic printing foils {(B41N 1/003, B41N 3/03 take precedence; compositions of the image-forming layer B41C 1/10)}   | <b>3/03</b>  | . Chemical or electrical pretreatment  |
| <b>1/16</b>  | . Curved printing plates, especially cylinders {(B41N 1/003, B41N 1/006 take precedence)}  | <b>3/032</b> | . . {Graining by laser, arc or plasma means}   |
| <b>1/18</b>  | . . made of stone  | <b>3/034</b> | . . {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} |
| <b>1/20</b>  | . . made of metal {or similar inorganic compounds, e.g. plasma coated ceramics, carbides}  | <b>3/036</b> | . . {characterised by the presence of a polymeric hydrophilic coating}   |
| <b>1/22</b>  | . . made of other substances   | <b>3/038</b> | . . {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}                                     |
| <b>1/24</b>  | . Stencils; Stencil materials; Carriers therefor (stencilling apparatus for office or other commercial use B41L 13/00)   | <b>3/04</b>  | . Graining or abrasion by mechanical means (chemical graining B41N 3/03)   |
| <b>1/241</b> | . . {characterised by the adhesive means}  | <b>3/06</b>  | . by use of detergents   |
| <b>1/242</b> | . . {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} |              |  |
| <b>1/243</b> | . . {characterised by the ink pervious sheet, e.g. yoshino paper}  |              |  |

## 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 7/063](#); developers *per se* for processing photosensitive materials [G03F 7/32](#))}

### 6/00 Mounting boards; {Sleeves} Make-ready devices, e.g. underlays, overlays; Attaching by chemical means, e.g. vulcanising

- 6/02 . Chemical means for fastening printing formes on mounting boards

### 7/00 Shells for rollers of printing machines

- 7/005 . {Coating of the composition; Moulding; Reclaiming; Finishing; Trimming}
- 7/02 . of leather
- 7/04 . for damping rollers
- 7/06 . for inking rollers {(construction of inking rollers [B41F 31/26](#))}

### 10/00 Blankets or like coverings; Coverings for wipers for intaglio printing (wipers for intaglio printing [B41F 9/08](#))

- 10/005 . {Coverings for wipers}
- 10/02 . Blanket structure
- 10/04 . . multi-layer
- 10/06 . . facilitating fastening to, or location on, supports

### 11/00 Stereotype mats

### 99/00 Subject matter not provided for in other groups of this subclass

### 2207/00 Location or type of the layers in shells for rollers of printing machines

- 2207/02 . Top layers
- 2207/04 . Intermediate layers
- 2207/06 . Backcoats; Back layers; Bottom layers
- 2207/10 . characterised by inorganic compounds, e.g. pigments
- 2207/12 . characterised by non-macromolecular organic compounds
- 2207/14 . characterised by macromolecular organic compounds

### 2210/00 Location or type of the layers in multi-layer blankets or like coverings

- 2210/02 . Top layers
- 2210/04 . Intermediate layers
- 2210/06 . Backcoats; Back layers; Bottom layers
- 2210/10 . characterised by inorganic compounds, e.g. pigments
- 2210/12 . characterised by non-macromolecular organic compounds
- 2210/14 . characterised by macromolecular organic compounds