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

Definition statement

This place covers:

• Printing plates or foils
• Materials for surfaces used in printing machines for printing, inking, damping, or the like.
• Preparing such surfaces for use and conserving them.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Processes for the manufacture or reproduction of printing surfaces | B41C |
| Printing machines or presses | B41F |
| Photography; cinematography; electrography; holography | G03 |

B41N 1/00

Printing plates or foils; Materials therefor

Definition statement

This place covers:

Substrates for printing plates or foils.

Treatment of such plates or foils.

B41N 1/083

{made of aluminium or aluminium alloys or having such surface layers (B41N 1/086 takes precedence)}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Alloys based on aluminium as such | C22C 21/00 |
B41N 1/24
Stencils; Stencil materials; Carriers therefor (stencilling apparatus for office or other commercial use B41L 13/00)

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

| Forme preparation for stencil-printing or silk-screen printing | B41C 1/14 |

B41N 1/241
{characterised by the adhesive means}

Definition statement
This place covers:
Stencils, stencil materials or carriers therefor, wherein the adhesive means is between different layers.

B41N 3/00
Preparing for use and conserving printing surfaces

Definition statement
This place covers:
Pre-treatment of printing plates.
After-treatment of printing plates.
Treatment of both imaged and non-imaged printing plates.

B41N 3/006
{Cleaning, washing, rinsing or reclaiming of printing formes other than intaglio formes (B41N 3/06 takes precedence)}

Definition statement
This place covers:
The regeneration of printing plates.

B41N 3/03
Chemical or electrical pretreatment

Relationships with other classification places
Usually the hydrophilic coating of the substrate is classified in B41N 3/03 and its hierarchical lower subgroups (see the table in the definition statement of the subgroup B41C 1/10). However, if an application claims a conventional method for making lithographic printing plates having a highly unusual hydrophilic layer, then the appropriate classification entry is B41C 1/1016, since B41N 3/03 does not relate to the preparation of printing plates per se.
**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])**

**Definition statement**

*This place covers:*

Developing with dampening water, also the composition of the dampening liquids.

The compositions of fountain solutions and gumming solutions.

**References**

**Limiting references**

*This place does not cover:*

<table>
<thead>
<tr>
<th>Processing photosensitive materials</th>
<th>G03F 7/26</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liquid compositions for imagewise removal of photosensitive materials using liquid means, e.g. developers</td>
<td>G03F 7/32</td>
</tr>
</tbody>
</table>

**B41N 6/00**

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

**Definition statement**

*This place covers:*

- Mounting boards.
- Sleeves.
- Make-ready devices, e.g. underlays, overlays.
- Attaching by chemical means, e.g. vulcanising.
- Attaching the printing formes on the cylinder.

**References**

**Limiting references**

*This place does not cover:*

<table>
<thead>
<tr>
<th>Devices for attaching printing elements or formes to supports (i.e. mechanical aspects of the fastenings as such)</th>
<th>B41F 27/00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Devices for attaching coverings or make-ready devices; Guiding devices for coverings (i.e. mechanical aspects of the fastenings as such)</td>
<td>B41F 30/00</td>
</tr>
</tbody>
</table>
B41N 7/00
Shells for rollers of printing machines

Definition statement
This place covers:
Shells for rollers of printing machines, which are not printing cylinders or blankets.

References
Limiting references
This place does not cover:

<table>
<thead>
<tr>
<th>Damping rollers (i.e. mechanical aspects as such)</th>
<th>B41F 7/26</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction of inking rollers</td>
<td>B41F 31/26</td>
</tr>
</tbody>
</table>

Special rules of classification
When classifying in this group or in its subgroups and if the invention lies in a specific layer, an Indexing Code (a hierarchical subgroup of B41N 2207/00) shall be given to specify said layer (e.g. backlayer, intermediate layer, cover layer, etc.).

B41N 10/00
Blankets or like coverings; Coverings for wipers for intaglio printing (wipers for intaglio printing B41F 9/08)

References
Limiting references
This place does not cover:

| Transfer cylinders; Offset cylinders | B41F 13/193 |

B41N 10/02
Blanket structure

Definition statement
This place covers:
Inventions relating to e.g. monolayer blankets, blankets having a special support, blankets having a surface of specific smoothness, etc.

B41N 10/04
multi-layer

Definition statement
This place covers:
Multilayer printing blankets (two or more layers).
Special rules of classification

When classifying in this subgroup and if the invention lies in a specific layer, an Indexing Code (a hierarchical subgroup of B41N 2210/00) shall be given to specify said layer (e.g. backlayer, intermediate layer, cover layer, etc.).

B41N 11/00

Stereotype mats

Definition statement

This place covers:
Molded matrices or mats of papier-mâché or similar material for casting the stereotype printing plates from hot metal.