

## 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 | <a href="#">B41C</a> |
| Printing machines or presses                                       | <a href="#">B41F</a> |
| Photography; cinematography; electrography; holography             | <a href="#">G03</a>  |

## 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 | <a href="#">C22C 21/00</a> |
|-----------------------------------|----------------------------|

**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 | <a href="#">B41C 1/14</a> |
|--|---------------------------|

**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:*

|   |                           |
|---|---------------------------|
| Processing photosensitive materials   | <a href="#">G03F 7/26</a> |
| Liquid compositions for imagewise removal of photosensitive materials using liquid means, e.g. developers | <a href="#">G03F 7/32</a> |

## 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:*

|  |                            |
|--|----------------------------|
| Devices for attaching printing elements or formes to supports (i.e. mechanical aspects of the fastenings as such)                        | <a href="#">B41F 27/00</a> |
| Devices for attaching coverings or make-ready devices; Guiding devices for coverings (i.e. mechanical aspects of the fastenings as such) | <a href="#">B41F 30/00</a> |

## 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:*

|   |                            |
|---|----------------------------|
| Damping rollers (i.e. mechanical aspects as such) | <a href="#">B41F 7/26</a>  |
| Construction of inking rollers                    | <a href="#">B41F 31/26</a> |

#### 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 | <a href="#">B41F 13/193</a> |
|--------------------------------------|-----------------------------|

## 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.