

## 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 [N: In this subclass the COPES System is used]**

### Informative references

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

Photography; cinematography; electrography; holography	<a href="#">G03</a>
Processes for the manufacture or reproduction of printing surfaces	<a href="#">B41C</a>
Printing machines or presses	<a href="#">B41F</a>

## B41N 1/00

**Printing plates or foils; Materials therefor**

### Definition statement

*This subclass/group covers:*

Substrates for printing plates or foils.

Treatment of such plates or foils.

## B41N 1/083

**[N: made of aluminium or aluminium alloys or having such  
surface layers ([B41N 1/086](#) takes precedence)]**

### 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>
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## B41N 1/24

**Stencils; Stencil materials; Carriers therefor (stencilling apparatus for office or other commercial use [B41L 13/00](#))**

### **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>
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## **B41N 1/241**

**[N: characterised by the adhesive means]**

### **Definition statement**

*This subclass/group 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 subclass/group covers:*

Pre-treatment of printing plates.

After-treatment of printing plates.

Treatment of both imaged and non-imaged printing plates.

## **B41N 3/006**

**[N: Cleaning, washing, rinsing or reclaiming of printing formes other than intaglio formes ([B41N 3/06](#) takes precedence)]**

### **Definition statement**

*This subclass/group covers:*

The regeneration of printing plates.

## **B41N 3/03**

## Chemical or electrical pretreatment

### Relationship between large subject matter areas

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

**Dampening; Neutralising or similar differentiation treatments for lithographic printing formes; [N: 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 subclass/group covers:*

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

The compositions of fountain solutions and gumming solutions.

#### References relevant to classification in this group

*This subclass/group 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; [N: Sleeves] Make-ready devices, e.g. underlays, overlays; Attaching by chemical means, e.g. vulcanising**

#### Definition statement

*This subclass/group covers:*

E.g. attaching the printing formes on the cylinder.

### References relevant to classification in this group

*This subclass/group 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 subclass/group covers:*

Shells for rollers of printing machines, which are not printing cylinders or blankets.

### References relevant to classification in this group

*This subclass/group 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 within this group

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 relevant to classification in this group

*This subclass/group does not cover:*

Transfer cylinders; Offset cylinders	<a href="#">B41F 13/193</a>
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## B41N 10/02

### Blanket structure

#### Definition statement

*This subclass/group 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 subclass/group covers:*

Multilayer printing blankets (two or more layers).

### Special rules of classification within this group

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 subclass/group covers:*

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