

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](#))

B41D **APPARATUS FOR THE MECHANICAL REPRODUCTION OF PRINTING SURFACES FOR STEREOTYPE PRINTING; SHAPING ELASTIC OR DEFORMABLE MATERIAL TO FORM PRINTING SURFACES** ({[engraving by spark erosion B23H;](#)} marking or engraving metal by the action of a high concentration of electric current [B23H 9/06](#); type, machines or accessories for making, setting, or distributing type [B41B](#); processes for the manufacture or reproduction of printing surfaces [B41C](#); machines or apparatus for engraving in general, or for embossing [B44B 3/00](#), [B44B 5/00](#); chemical etching of metal [C23F 1/00](#); electrolytic etching [C25F 3/00](#); photomechanical reproduction [G03F](#))

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.

1/00	Preparing or treating stereotype matrices	5/06	• of curved plates
1/02	• using brushes	7/00	Shaping elastic or deformable material, e.g. rubber, plastics material, to form printing surfaces (making rubber printing blocks B41C 3/04)
1/04	• using cylinders or rollers		
1/06	• using presses, e.g. toggle or like lever-and-link type presses	7/02	• by impression
1/08	• . using hydraulic presses	7/04	• Forming printing surfaces by covering printing forms with a thin elastic skin, e.g. rubber foil, and retaining the latter thereon; Obtaining reduced or enlarged printing surfaces by using thin elastic transfer foils (pantographic instruments for copying, reducing, or enlarging B43L 13/10)
1/10	• Performing secondary operations on matrices		
1/12	• . Humidifying or moistening		
1/14	• . Drying		

Producing printing surfaces

3/00	Casting stereotype plates; Machines, moulds, or devices therefor	99/00	Subject matter not provided for in other groups of this subclass
3/02	• Horizontal moulds for casting flat plates		
3/04	• Moulds, e.g. horizontal, for casting curved, e.g. semi-cylindrical, plates		
3/06	• . Vertical moulds		
3/08	• Moulds, e.g. horizontal, for casting tubular, i.e. cylindrical, plates		
3/10	• . Vertical moulds		
3/12	• Multiple mould stereotype casting machines		
3/14	• Details		
3/16	• . Matrix clamps		
3/18	• . Devices for closing or opening moulds		
3/20	• . Melting pots		
3/22	• . . with pumps for conveying the molten metal into the casting chambers or boxes		
3/24	• . . with control valves		
3/26	• . . with devices for stirring the molten metal		
3/28	• . Devices for cooling the moulds		
5/00	Working, treating, or handling stereotype plates		
5/02	• by bending		
5/04	• of flat plates		