

B41 PRINTING; LINING MACHINES; TYPEWRITERS; STAMPS (reproduction or duplication of pictures or patterns by scanning and converting into electrical signals H04N) [4]

B41D APPARATUS FOR THE MECHANICAL REPRODUCTION OF PRINTING SURFACES FOR STEREOTYPE PRINTING; SHAPING ELASTIC OR DEFORMABLE MATERIAL TO FORM PRINTING SURFACES (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)

1/00 Preparing or treating stereotype matrices

- 1/02 . using brushes
- 1/04 . using cylinders or rollers
- 1/06 . using presses, e.g. toggle or like lever-and-link type presses
- 1/08 . . using hydraulic presses
- 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

- 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
- 5/06 . of curved plates

7/00 Shaping elastic or deformable material, e.g. rubber, plastics material, to form printing surfaces (making rubber printing blocks B41C 3/04)

- 7/02 . by impression
- 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)

99/00 Subject matter not provided for in other groups of this subclass [8]