

CPC**COOPERATIVE PATENT CLASSIFICATION****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)

B41D 1/00**Preparing or treating stereotype matrices**

B41D 1/02

- . using brushes

B41D 1/04

- . using cylinders or rollers

B41D 1/06

- . using presses, e.g. toggle or like lever-and-link type presses

B41D 1/08

- .. using hydraulic presses

B41D 1/10

- . performing secondary operations on matrices

B41D 1/12

- .. Humidifying or moistening

B41D 1/14

- .. Drying

Producing printing surfaces**B41D 3/00****Casting stereotype plates; Machines, moulds, or devices therefor**

B41D 3/02

- . Horizontal moulds for casting flat plates

B41D 3/04

- . Moulds, e.g. horizontal, for casting curved, e.g. semi-cylindrical, plates

B41D 3/06

- .. Vertical moulds

B41D 3/08

- . Moulds, e.g. horizontal, for casting tubular, i.e. cylindrical, plates

B41D 3/10

- .. Vertical moulds

B41D 3/12

- . Multiple mould stereotype casting machines

B41D 3/14

- . Details

B41D 3/16

- .. Matrix clamps

B41D 3/18

- .. Devices for closing or opening moulds

B41D 3/20

- .. Melting pots

- B41D 3/22 . . . with pumps for conveying the molten metal into the casting chambers or boxes
- B41D 3/24 . . . with control valves
- B41D 3/26 . . . with devices for stirring the molten metal
- B41D 3/28 . . Devices for cooling the moulds

B41D 5/00 Working, treating, or handling stereotype plates

- B41D 5/02 . by bending
- B41D 5/04 . of flat plates
- B41D 5/06 . of curved plates

B41D 7/00 Shaping elastic or deformable material, e.g. rubber, plastics material, to form printing surfaces ([making rubber printing blocks B41C 3/04](#))

- B41D 7/02 . by impression
- B41D 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](#))

B41D 99/00 Subject matter not provided for in other groups of this subclass