

**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

**Guidance heading: 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**