

**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**