

Title (en)

PROCESS FOR ELECTROFORMING OBJECTS STARTING FROM A BATH CONTAINING SUSPENDED PARTICLES

Publication

EP 0022113 B1 19840725 (FR)

Application

EP 80870001 A 19800108

Priority

- BE 192816 A 19790110
- BE 198797 A 19791228

Abstract (en)

[origin: EP0022113A1] 1. Electrochemical process for forming objets, permitting the casting, moulding, profiling, machining and surface treatment of raw materials in charged suspensoid form, giving rise to conductive electro-deposits by means of a strictly controlled electrode reaction, characterized by the placing of the suspensoids in an ionising solvent so as to obtain an electrically conductive medium to which additives are added for the purpose of conditioning suspensoid charges, rheological properties, and electrode reactions, and metal moulds (5, 21, 101, 109) or metal-plated moulds are used as working electrodes, these internal or external moulds leaving at least one of the two surfaces of the article to be manufactured completely free, and the forming and surface treatment is carried out on the articles, one of the two surfaces of which is accessible to a mould with a given geometrical configuration, by programming (8, 22, 23) the movement of the mould across the electrical field, by the way in which the current lines are distributed in the tank, the power and nature of the electrical supply, and by superimposing several electrical circuits and arranging one or several insulating stencils and spindles (26) on the surface of the mould.

IPC 1-7

C25D 1/14

IPC 8 full level

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CPC (source: EP)

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Cited by

US4695356A; EP0220159A3; AU572553B2; FR2546911A1; EP0117968A1; FR2532955A1; WO2005033371A3; US11061382B2

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