

Title (en)

METHOD FOR PRODUCING PATTERNS, COREBOXES AND TOOLS, AND PATTERNS SO OBTAINED

Publication

EP 0020989 B1 19830223 (DE)

Application

EP 80102620 A 19800512

Priority

CH 462679 A 19790517

Abstract (en)

[origin: EP0020989A1] 1. Method for manufacturing patterns, core boxes and tools, more particularly casting patterns, which are manufactured by means of a surface layer resin applied to a carrying body (12) with a predetermined layer thickness, the fluid surface layer resin being poured into a cavity between the carrying body (12) and the pattern mould (1) and, after it has set, the hard model (16) being removed from the pattern mould (1), characterized by the following steps : a) a hardenable, flowable, dip-moulding substance (5) heated to between 50 and 200 degrees C, which is pliable in its set state, is poured into or on to a negative or positive pattern mould (1) ; b) after a selected setting time, the excess, still fluid dip-moulding substance (5) is poured off, whereby a hardened mask (7) remains which has a uniform layer thickness in all its contours ; c) a carrying material is applied to the mask (7) in the pattern mould (1) and the carrying body (12) thus produced ; d) the mask (7) is pulled off after the carrying body (12) has been removed from the pattern mould (1) ; e) the carrying body is put back into the pattern mould (1) in the original fixed position ; f) a two-component polyurethane plastics is poured into the cavity as a surface layer resin to form the surface layer (19).

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