

Title (en)
APPARATUS FOR CASTING ARTICLES MADE OF ALUMINUM, ALUMINUM ALLOYS, LIGHT ALLOYS AND THE LIKE

Title (de)
VORRICHTUNG ZUM GIESSEN VON ARTIKELN AUS ALUMINIUM, ALUMINIUMLEGIERUNGEN, LEICHTMETALLLEGIERUNGEN UND DERGLEICHEN

Title (fr)
APPAREIL DE MOULAGE PAR COULEE D'ARTICLES CONSTITUES D'ALUMINIUM, D'ALLIAGES D'ALUMINIUM, D'ALLIAGES LEGERS ET ANALOGUES

Publication
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Application
EP 04797599 A 20041104

Priority
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• IT MI20032186 A 20031112

Abstract (en)
[origin: WO2005049248A2] An apparatus for casting articles made of aluminum, aluminum alloys, light alloys and the like, comprising, on a platen (1), at least one lower die (2) and at least one upper die (3); a duct (4) for introducing liquid metal that approaches from below and is connected to a furnace leads into the lower die (2); the lower die forms a lower impression (10) which, in cooperation with an upper impression (11) of the upper die (3), provides a region for containing a dosed quantity of liquid metal; on the upper die, a flow control element (30) is provided that acts on the connecting port (5) of the feed duct (4), and a compaction plug (20), which forms a portion of the upper impression (11) and can perform a translational motion independently of the flow control element (30) in order to provide the article being cast.

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Citation (opposition)
Opponent :
• US 5562147 A 19961008 - BORTOLONI ANDREA [IT]
• JP S5728662 A 19820216 - NIPPON KEIKINZOKU SOUGOU KENKY, et al
• JP S635861 A 19880111 - TOSHIBA MACHINE CO LTD
• JP H01158320 A 19890621 - KOBE STEEL LTD

Cited by
EP3170582A1; US9475119B2

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