

Title (en)

APPARATUS AND PROCESS FOR MANUFACTURING ITEMS MADE OF ALUMINUM ALLOYS OR LIGHT ALLOYS

Title (de)

VORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG VON GEGENSTÄNDEN AUS ALUMINIUMLEGIERUNGEN ODER LEICHTMETALLLEGIERUNGEN

Title (fr)

APPAREIL ET PROCEDE SERVANT A FABRIQUER DES OBJETS EN ALUMINIUM, EN ALLIAGES D'ALUMINIUM OU EN ALLIAGES LEGERES ET AUTRES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO03066254A1] An apparatus for manufacturing items made of aluminum, aluminum alloys, light alloys and the like, which comprises, on a platen 1, a lower die 2 and at least one upper die 3, a duct 10 for introducing liquid metal connected to a furnace, the liquid metal input duct 10 arriving from below and leading into the lower die 2 and the lower die 2 forming at least one lower impression 20, which has at least one concave portion 23 for introducing a dosed quantity of liquid metal, a male plug 8 associated with the upper die 3 and forming at least one upper impression 25 coupleable to the lower impression 20 to determine the shape of the item being cast. The upper die 3 is closed onto the lower die 2 and the male plug 8 closes the shape and acts as a flow control element for the port 24 that provides a connection to the liquid metal input duct 10.

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