

Title (en)
PROCESS AND DEVICE FOR MANUFACTURING INGOTS AND CASTINGS

Publication
EP 0183679 A3 19870812 (DE)

Application
EP 85890289 A 19851127

Priority
AT 378284 A 19841129

Abstract (en)
[origin: EP0183679A2] 1. Process for manufacturing ingots and castings, a melt of a relatively high-melting alloy, in particular an iron-, nickel- or cobalt-based alloy, being cast by top or bottom casting in a stationary multi-part ingot mould (2) with a base plate (1), and whereupon the casting is released from the mould at the place of casting, characterized in that the casting, in the solidifying state, is released from the mould in at least two steps, in a first step, the outer skin already being solidified and the core being liquid in the lower region, this region, in particular the base of the casting, being released from the mould over its entire periphery, and a remaining part, at least the head part of the casting, remaining further in one part (8) of the ingot mould (2) until it has completely solidified, after which the head part of the casting is released from the mould in a last step.

IPC 1-7
B22D 7/00; **B22D 7/08**

IPC 8 full level
B22D 7/00 (2006.01); **B22D 7/08** (2006.01)

CPC (source: EP)
B22D 7/00 (2013.01); **B22D 7/08** (2013.01)

Citation (search report)
• [Y] FR 1037319 A 19530916 - BOCHUMER VER FU R GUSSSTAHLFAB
• [Y] US 2065969 A 19361229 - GRIFFITHS SEPTIMUS H
• [Y] DE 1508839 A1 19700115 - EDELSTAHLWERK RECKHAMMER GMBH
• [AD] US 2110063 A 19380301 - GRIFFITHS SEPTIMUS H

Cited by
CN113430470A; RU2503521C1

Designated contracting state (EPC)
CH DE FR GB IT LI

DOCDB simple family (publication)
EP 0183679 A2 19860604; **EP 0183679 A3 19870812**; **EP 0183679 B1 19890920**; AT 395389 B 19921210; DE 3573083 D1 19891026

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