

Title (en)
Continuous-casting mould with a hot top

Title (de)
Stranggiesskokille mit Warmhaube

Title (fr)
Lingotière de coulée continue à tête chaude

Publication
EP 1245310 A3 20030502 (DE)

Application
EP 02006423 A 20020322

Priority
DE 10115999 A 20010330

Abstract (en)
[origin: EP1245310A2] The ingot mold, for a continuous casting assembly, has a hot head (1) on the upper side of a barrier distributor (2), held and centered by an outer ring (4) in a release mounting at the ingot mold (3). The mold is surrounded by a metal or ceramic function ring (5), to the mold running surface, forming function surfaces with adjustable roughness together with the barrier distributor. The barrier distributor has radial channels at the upper and lower sides, with channel cross sections in a ratio of 1:3 to 1:5 between the upper and lower sides.

IPC 1-7
B22D 11/07; **B22D 11/049**; **B22D 11/041**; **B22D 11/059**

IPC 8 full level
B22D 11/041 (2006.01); **B22D 11/00** (2006.01); **B22D 11/04** (2006.01); **B22D 11/049** (2006.01); **B22D 11/055** (2006.01); **B22D 11/059** (2006.01); **B22D 11/07** (2006.01)

CPC (source: EP US)
B22D 11/0401 (2013.01 - EP US); **B22D 11/07** (2013.01 - EP US)

Citation (search report)

- [YD] EP 0566865 A1 19931027 - VAW VER ALUMINIUM WERKE AG [DE]
- [YD] US 4732209 A 19880322 - APOSTOLOU GEORGES [GR], et al
- [Y] PATENT ABSTRACTS OF JAPAN vol. 006, no. 017 (M - 109) 30 January 1982 (1982-01-30)
- [Y] PATENT ABSTRACTS OF JAPAN vol. 006, no. 120 (M - 140) 3 July 1982 (1982-07-03)
- [A] PATENT ABSTRACTS OF JAPAN vol. 013, no. 392 (M - 865) 30 August 1989 (1989-08-30) & JP S56136257 A 19811024 - SUMITOMO LIGHT METAL IND & JP S5747556 A 19820318 - SHOWA KEIKINZOKU KK & JP H01138043 A 19890530 - SHOWA DENKO KK

Cited by
DE102007043386A1; DE102007043386B4; US8210235B2; EP2511027A2

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