

Title (en)

CASTING MOULD FOR THE REGULATION OF THE FREE SURFACE LEVEL OF THE MOLTEN METAL CONTACTING THE MOULD DURING VERTICAL CASTING

Publication

**EP 0241387 B1 19881221 (FR)**

Application

**EP 87420070 A 19870311**

Priority

FR 8604117 A 19860313

Abstract (en)

[origin: US4735255A] The invention relates to a mould for vertical casting of molten metal and including a means for regulating the level at which the inner surface of the mould contacts the free surface of the metal being cast. The mould is formed at least in its lower part of metal, and the means for regulating the level comprises an electrically insulating material intentionally coated onto the inner surface of the mould, an insert of electrically insulating material disposed along at least one generatrix of the mould, over the entire height and thickness of the mould, and two terminals for connection to a source of alternating current provided on the outer surface of the mould at its lower part, with one terminal provided on each side of the insert. The mould finds application in the casting of metallurgical semi-finished products, in particular of aluminum and aluminum alloys.

IPC 1-7

**B22D 11/04**

IPC 8 full level

**B22D 11/04** (2006.01); **B22D 11/041** (2006.01); **B22D 11/049** (2006.01); **B22D 11/059** (2006.01); **B22D 11/10** (2006.01); **B22D 11/103** (2006.01); **B22D 11/119** (2006.01)

CPC (source: EP KR US)

**B22D 11/059** (2013.01 - EP US); **B22D 11/10** (2013.01 - KR)

Designated contracting state (EPC)

AT BE CH DE ES GB GR IT LI LU NL SE

DOCDB simple family (publication)

**US 4735255 A 19880405**; AT E39332 T1 19890115; AU 579567 B2 19881124; AU 6995487 A 19870917; CN 87101863 A 19870923; DE 3760022 D1 19890126; EP 0241387 A1 19871014; EP 0241387 B1 19881221; ES 2005055 B3 19901116; FR 2595596 A1 19870918; FR 2595596 B1 19880429; GR 3000001 T3 19890929; JP H0137224 B2 19890804; JP S62227553 A 19871006; KR 870008644 A 19871019; NZ 219581 A 19880429

DOCDB simple family (application)

**US 2470387 A 19870311**; AT 87420070 T 19870311; AU 6995487 A 19870312; CN 87101863 A 19870313; DE 3760022 T 19870311; EP 87420070 A 19870311; ES 87420070 T 19870311; FR 8604117 A 19860313; GR 880400001 T 19881221; JP 5790587 A 19870312; KR 870002235 A 19870313; NZ 21958187 A 19870311