Title (en)

Casting apparatus and molten metal feed apparatus

Title (de)

Giessvorrichtung und Vorrichtung zur Zufuhr von Metallschmelze

Title (fr)

Dispositif de coulage et dispositif pour l'aménée de métal en fusion

Publication

EP 1358959 B8 20090225 (EN)

Application

EP 03009284 A 20030424

Priority

JP 2002127071 A 20020426

Abstract (en)

[origin: EP1358959A1] A molten metal feed apparatus which can feed molten metal into a casting apparatus by opening a vessel and which is free from leakage of the molten metal from the opening/closing part of the vessel, provided with a holding vessel having an opening at its bottom and holding a metal material, a lid for closing the opening, a drive means for making the lid move with respect to the holding vessel to open or close the opening, and an induction heating coil for heating the metal material by induction of a current to the metal material in the holding vessel and generating a magnetic field applying to the molten metal a force preventing leakage of the molten metal in the holding vessel from between the opening and the lid. <IMAGE>

IPC 8 full level

B22D 37/00 (2006.01); **H05B 6/24** (2006.01); **B22D 17/28** (2006.01); **B22D 17/30** (2006.01); **B22D 39/00** (2006.01); **B22D 41/00** (2006.01); **B22D 41/015** (2006.01); **C22B 9/22** (2006.01)

CPC (source: EP KR US)

B22D 17/28 (2013.01 - EP US); **B22D 17/30** (2013.01 - EP KR US)

Cited by

EP2450131A3

Designated contracting state (EPC)

CH DE IT LI

DOCDB simple family (publication)

EP 1358959 A1 20031105; **EP 1358959 B1 20081126**; **EP 1358959 B8 20090225**; CN 1268457 C 20060809; CN 1454736 A 20031112; DE 60324857 D1 20090108; JP 2003320446 A 20031111; JP 3987373 B2 20071010; KR 20030084750 A 20031101; US 2003201090 A1 20031030; US 6910521 B2 20050628

DOCDB simple family (application)

EP 03009284 A 20030424; CN 03128621 A 20030428; DE 60324857 T 20030424; JP 2002127071 A 20020426; KR 20030026240 A 20030425; US 42283603 A 20030425