

Title (en)

Low pressure bottom casting device for casting metals, especially light metals

Title (de)

Vorrichtung zum steigenden Niederdruck-Giessen von Metallen, insbesondere Leichtmetallen

Title (fr)

Dispositif de coulée de fond à faible pression pour la coulée de métaux, en particulier de métaux légers

Publication

**EP 0988909 B1 20030716 (DE)**

Application

**EP 99117642 A 19990908**

Priority

DE 19843285 A 19980922

Abstract (en)

[origin: US6460603B1] An apparatus for uphill low pressure casting of metals in split sand moulds and having a sprue in one of the two moulds, to which can be connected the casting tube of a melt container and which is connected to the lowest area of the mould cavity, and having a sealing plug integrated into the mould and which after the filling of the mould cavity can be brought into the closed position by means of an external drive engaging in the mould, including a seal which does impairing casting quality and moulding sand preparation. Between the sprue and the mould cavity is provided a casting channel connecting the sprue and the mould cavity. The sealing plug is constructed as a sand mould body and in a shaped-in guide of the mould is displaceable between an open position and a closed position, and seals a casting channel and a metallostatic pressure of the molten metal in the mould acts against the guide on the sealing plug.

IPC 1-7

**B22D 18/04**

IPC 8 full level

**B22D 18/04** (2006.01)

CPC (source: EP US)

**B22D 18/04** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**US 6460603 B1 20021008**; AT E245072 T1 20030815; DE 19843285 A1 20000323; DE 59906288 D1 20030821; EP 0988909 A1 20000329; EP 0988909 B1 20030716; JP 2000094116 A 20000404

DOCDB simple family (application)

**US 40180899 A 19990922**; AT 99117642 T 19990908; DE 19843285 A 19980922; DE 59906288 T 19990908; EP 99117642 A 19990908; JP 26730799 A 19990921