

Title (en)

DEVICE AND METHOD FOR FEEDING WITH MOLTEN METAL FOR PRESSURE DIE CASTING METALLIC PRODUCTS

Publication

**EP 0379420 B1 19930324 (FR)**

Application

**EP 90400115 A 19900116**

Priority

FR 8900840 A 19890116

Abstract (en)

[origin: WO9008002A1] The device for introducing liquid metal into the mould (1) of a casting plant subjected to continuous pressure comprises a vat (2) provided with a cover (7) carrying a casting tube (3), whereby said vat rests on a base (4), and comprises a frame (9) for supporting a liquid metal casting ladle (10), means for weighing said ladle and elevating means (20) for said frame. The casting process corresponding to this device is characterized in that, in the course of the casting process, when the quantity of metal in the ladle (10) exceeds a predetermined quantity, the ladle is maintained in a low position (position according to reference 32), and when the quantity of metal is less than said predetermined quantity, the ladle is lifted (position 32') so as to maintain the lower end of the tube (31) below the level of the metal contained in the ladle.

IPC 1-7

**B22D 17/30**; **B22D 39/06**

IPC 8 full level

**B22D 17/30** (2006.01); **B22D 18/04** (2006.01); **B22D 18/08** (2006.01); **B22D 39/06** (2006.01); **B22D 41/12** (2006.01)

CPC (source: EP KR US)

**B22D 17/30** (2013.01 - KR); **B22D 18/04** (2013.01 - EP US); **B22D 18/08** (2013.01 - EP US); **B22D 41/12** (2013.01 - EP US)

Cited by

CN110914007A; CN102266936A; CN108733094A; EP0714718A1; US6216766B1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 0379420 A1 19900725**; **EP 0379420 B1 19930324**; AT E87250 T1 19930415; AU 4964090 A 19900813; CS 21990 A3 19920219; DE 69001138 D1 19930429; DE 69001138 T2 19931014; FR 2642686 A1 19900810; FR 2642686 B1 19910517; JP H04504682 A 19920820; KR 910700115 A 19910313; US 5180538 A 19930119; WO 9008002 A1 19900726

DOCDB simple family (application)

**EP 90400115 A 19900116**; AT 90400115 T 19900116; AU 4964090 A 19900116; CS 21990 A 19900116; DE 69001138 T 19900116; FR 8900840 A 19890116; FR 9000033 W 19900116; JP 50262890 A 19900116; KR 900702034 A 19900914; US 72078091 A 19910910