

Title (en)

DIE CASTING METHOD FOR PRODUCING CASTINGS WITH A HORIZONTAL COLD CHAMBER DIE CASTING MACHINE AND MACHINE FOR CARRYING OUT THE METHOD

Publication

**EP 0176605 B1 19870527 (DE)**

Application

**EP 84108607 A 19840720**

Priority

DE 3401715 A 19840119

Abstract (en)

[origin: US4660614A] A die casting process for making castings by means of a horizontally oriented cold-chamber die casting machine comprises the steps of advancing a casting piston in the casting chamber from a starting position for ejecting the molten metal dosage from the casting chamber; and withdrawing the casting piston into the starting position. The withdrawing step includes the step of passing over metal residues adhering to walls of the casting chamber. Subsequent to the withdrawing step and prior to the charging step of a successive cycle, the casting piston is advanced in the casting chamber void of molten metal dosage for ejecting the metal residues by the casting piston from the charging chamber and returning the casting piston into its starting position.

IPC 1-7

**B22D 17/00**; **B22D 17/08**; **B22D 17/10**; **B22D 17/14**; **B29C 43/38**

IPC 8 full level

**B22D 17/10** (2006.01); **B22D 17/00** (2006.01); **B22D 17/08** (2006.01); **B22D 17/14** (2006.01); **B22D 17/20** (2006.01); **B29C 43/38** (2006.01); **B29C 45/53** (2006.01)

CPC (source: EP US)

**B22D 17/10** (2013.01 - EP US); **B22D 17/14** (2013.01 - EP US); **B22D 17/2038** (2013.01 - EP US); **B22D 17/30** (2013.01 - EP US)

Cited by

CN104259428A; CN104259423A; EP0285686A1; CN103127714A; CN104259429A

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

**US 4660614 A 19870428**; AT E27418 T1 19870615; DE 3401715 A1 19850808; DE 3401715 C2 19860227; DE 3463905 D1 19870702; EP 0176605 A2 19860409; EP 0176605 A3 19860430; EP 0176605 B1 19870527; JP 2645488 B2 19970825; JP S60231563 A 19851118; NO 161657 B 19890605; NO 161657 C 19890913; NO 842769 L 19850722

DOCDB simple family (application)

**US 69333385 A 19850122**; AT 84108607 T 19840720; DE 3401715 A 19840119; DE 3463905 T 19840720; EP 84108607 A 19840720; JP 597785 A 19850118; NO 842769 A 19840706