

Title (en)

OPERATION OF A HOT-CHAMBER DIE-CASTING MACHINE, AND A DIE-CASTING MACHINE OPERATED IN THIS WAY

Title (de)

BETRIEB EINER WARMKAMMER-DRUCKGIESSMASCHINE UND DRUCKGIESSMASCHINE HIEFÜR

Title (fr)

FONCTIONNEMENT D'UNE MACHINE A COULEE SOUS PRESSION A CHAMBRE CHAUDE ET MACHINE A COULEE SOUS PRESSION APPROPRIEE

Publication

EP 0714331 B1 20000322 (DE)

Application

EP 95920872 A 19950523

Priority

- DE 4419848 A 19940607
- EP 9501963 W 19950523

Abstract (en)

[origin: US5699849A] PCT No. PCT/EP95/01963 Sec. 371 Date Feb. 7, 1996 Sec. 102(e) Date Feb. 7, 1996 PCT Filed May 23, 1995 PCT Pub. No. WO95/33588 PCT Pub. Date Dec. 14, 1995In order to improve the compression operation and to produce better products with thin-walled castings, the invention calls for the compression operation to be divided into three phases and controlled by high-dynamic continuous-operation valves which have very short switching times and are actuated by a control device. Fitted in the hot-chamber die-casting machine for this purpose is a metal sensor which is disposed in a die relief leading from the rising bore in the casting container into the mould.

IPC 1-7

B22D 17/02; **B22D 17/32**

IPC 8 full level

B22D 17/02 (2006.01); **B22D 17/14** (2006.01); **B22D 17/20** (2006.01); **B22D 17/32** (2006.01)

CPC (source: EP US)

B22D 17/32 (2013.01 - EP US)

Designated contracting state (EPC)

AT CH DE ES FR GB GR IT LI NL PT SE

DOCDB simple family (publication)

US 5699849 A 19971223; AT E190880 T1 20000415; DE 4419848 C1 19951221; DE 59508044 D1 20000427; EP 0714331 A1 19960605; EP 0714331 B1 20000322; ES 2144612 T3 20000616; JP 3824171 B2 20060920; JP H09501360 A 19970210; WO 9533588 A1 19951214

DOCDB simple family (application)

US 59234896 A 19960207; AT 95920872 T 19950523; DE 4419848 A 19940607; DE 59508044 T 19950523; EP 9501963 W 19950523; EP 95920872 A 19950523; ES 95920872 T 19950523; JP 50026896 A 19950523