

Title (en)

Hot chamber die casting machine

Title (de)

Warmkammer-Druckgiessmaschine

Title (fr)

Machine à couler sous pression en chambre chaude

Publication

EP 1002601 A3 20010307 (DE)

Application

EP 99120823 A 19991022

Priority

DE 19853189 A 19981118

Abstract (en)

[origin: US6435260B1] Hot-chamber diecasting machines for processing magnesium melts include a casting vessel, an inductive heating system, and an additional ring inductor in an area of the neck of the casting vessel in order to achieve a heating also in this area. The ring inductor is formed of a one-piece tube made of an elastic material which is open at one point and can be bent open by the extent of the diameter of the neck of the casting vessel and can be pushed laterally onto the casting vessel, and through which air can also flow for the cooling.

IPC 1-7

B22D 17/02

IPC 8 full level

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

CPC (source: EP US)

B22D 17/2038 (2013.01 - EP US)

Citation (search report)

- [DY] DE 19543805 A1 19970528 - FRECH OSKAR GMBH & CO [DE]
- [DA] DE 19531161 A1 19970227 - FRECH OSKAR GMBH & CO [DE]
- [Y] DATABASE WPI Section EI Week 198617, Derwent World Patents Index; Class X24, AN 1986-109531, XP002156784

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 6435260 B1 20020820; AT E264151 T1 20040415; CZ 295241 B6 20050615; CZ 9904098 A3 20010516; DE 19853189 C1 20000413; DE 59909162 D1 20040519; EP 1002601 A2 20000524; EP 1002601 A3 20010307; EP 1002601 B1 20040414; ES 2215354 T3 20041001; JP 2000153351 A 20000606; PL 191429 B1 20060531; PL 336608 A1 20000522

DOCDB simple family (application)

US 42233599 A 19991021; AT 99120823 T 19991022; CZ 409899 A 19991118; DE 19853189 A 19981118; DE 59909162 T 19991022; EP 99120823 A 19991022; ES 99120823 T 19991022; JP 32808299 A 19991118; PL 33660899 A 19991117