

Title (en)
Die-casting method and die-casting apparatus

Title (de)
Druckgiessverfahren und Druckgiessmaschine

Title (fr)
Procédé et dispositif de coulée sous pression

Publication
EP 1243363 A3 20030305 (EN)

Application
EP 02006385 A 20020321

Priority
JP 2001083085 A 20010322

Abstract (en)
[origin: EP1243363A2] A method of producing a die-cast article by die-casting, the die-cast article having at least one of an inner and an outer circumferential surface, the method comprising the steps of: preparing a mold assembly (224, 226; 400, 402; 500, 502) including a hollow portion (280, 410, 510) having a molding surface (300, 420, 530) for molding one of the inner and outer circumferential surfaces of the die-cast article; closing the mold assembly to define therein a mold cavity (236, 426, 540) having a configuration corresponding to that of the die-cast article; subjecting the hollow portion to an elastic deformation in a direction toward the one of the inner and outer circumferential surfaces of the die-cast article to be produced; introducing a molten metal into the mold cavity while the hollow portion is subjected to the elastic deformation; opening the mold assembly and permitting the elastic deformation to be removed from the hollow portion after the molten metal has solidified; and removing the die-cast article from the mold assembly. An apparatus for practicing the method is also disclosed. <IMAGE>

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Citation (search report)

- [AD] EP 0642855 A1 19950315 - TOYOTA MOTOR CO LTD [JP]
- [XY] PATENT ABSTRACTS OF JAPAN vol. 018, no. 411 (M - 1648) 2 August 1994 (1994-08-02)
- [Y] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 13 30 November 1999 (1999-11-30)
- [A] PATENT ABSTRACTS OF JAPAN vol. 004, no. 102 (M - 022) 22 July 1980 (1980-07-22)

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