

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

Title (de)
Verfahren und Vorrichtung zum Druckgiessen

Title (fr)
Procédé et dispositif de coulée sous pression

Publication
EP 1249289 A3 20030305 (EN)

Application
EP 02008010 A 20020410

Priority
JP 2001112310 A 20010411

Abstract (en)
[origin: EP1249289A2] A method of die-casting a die-cast article (220, 426) having at least one of an inner circumferential surface and an outer circumferential surface, whose cross sectional shape is a circle, the die-casting article being formed with a die-casting apparatus having a mold cavity (236, 430) therein and a molding portion (250; 410) for forming one of the inner and outer circumferential surfaces of the die-cast article, the method being characterized by comprising the steps of: introducing a molten metal into the mold cavity; and separating the die-cast article and the molding portion from each other while the die-cast article and the molding portion are rotated relative to each other, after the molten metal has solidified into the die-cast article. A die-casting apparatus for practicing the method is also disclosed. <IMAGE>

IPC 1-7
B22D 17/22; **B22D 17/24**; **B22D 17/20**

IPC 8 full level
B22D 17/20 (2006.01); **B22D 17/22** (2006.01); **B22D 17/24** (2006.01); **B22D 17/26** (2006.01)

CPC (source: EP US)
B22D 17/20 (2013.01 - EP US); **B22D 17/22** (2013.01 - EP US); **B22D 17/24** (2013.01 - EP US)

Citation (search report)
• [X] US 4958676 A 19900925 - KUNTZ ROBERT J [US]
• [X] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 08 30 June 1999 (1999-06-30)

Cited by
CN103567412A

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1249289 A2 20021016; **EP 1249289 A3 20030305**; JP 2002307156 A 20021022; US 2002148591 A1 20021017

DOCDB simple family (application)
EP 02008010 A 20020410; JP 2001112310 A 20010411; US 11647102 A 20020404