

Title (en)
APPARATUS FOR MANUFACTURING ARTICLES MADE OF ALUMINUM, ALUMINUM ALLOYS, LIGHT ALLOYS AND THE LIKE, AND METHOD PERFORMED BY THE APPARATUS

Title (de)
VORRICHTUNG UND VERFAHREN ZUM HERSTELLEN VON GEGENSTÄNDEN AUS LEICHTMETALL-LEGIERUNGEN

Title (fr)
APPAREIL POUR FABRIQUER DES ARTICLES EN ALUMINIUM, EN ALLIAGES D'ALUMINIUM, EN ALLIAGES LEGERS ET ANALOGUES, ET PROCEDE MIS EN OEUVRE PAR L'APPAREIL

Publication
EP 1515815 A2 20050323 (EN)

Application
EP 03760595 A 20030606

Priority

- EP 0305996 W 20030606
- IT PD20020167 A 20020621

Abstract (en)
[origin: WO2004000488A2] An apparatus and method for manufacturing articles made of aluminum, aluminum alloys, light alloys and the like, the apparatus comprising a lower die section (12) and at least one upper die section (13), associated with corresponding press platens (14, 15) for closure determining shape of the cast article, a vertically elongated duct (16) for introducing liquid metal, a to pressurized furnace that leads into the lower die section (13) that forms at least one lower impression (17) with at least one concave portion for introducing liquid metal through at least one corresponding inlet (18) formed at the upper portion of the duct (16), a male plug (19) associated with the upper die section (12), and movable with respect thereto.

IPC 1-7
B22D 18/02

IPC 8 full level
B22D 18/02 (2006.01); **B22D 18/04** (2006.01); **B22D 21/04** (2006.01)

CPC (source: EP US)
B22D 2/003 (2013.01 - EP US); **B22D 18/02** (2013.01 - EP US); **B22D 18/04** (2013.01 - EP US)

Citation (search report)
See references of WO 2004000488A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004000488 A2 20031231; WO 2004000488 A3 20040527; AU 2003250343 A1 20040106; AU 2003250343 A8 20040106; CN 1863627 A 20061115; EP 1515815 A2 20050323; IT PD20020167 A1 20031222; JP 2005530619 A 20051013; PL 374084 A1 20050919; US 2005199362 A1 20050915

DOCDB simple family (application)
EP 0305996 W 20030606; AU 2003250343 A 20030606; CN 03814494 A 20030606; EP 03760595 A 20030606; IT PD20020167 A 20020621; JP 2004514672 A 20030606; PL 37408403 A 20030606; US 51550004 A 20041124