

Title (en)

METHOD FOR PRODUCING METAL FOAM BODIES

Title (de)

VERFAHREN ZUR HERSTELLUNG VON METALLSCHAUMKÖRPERN

Title (fr)

PROC D POUR FABRIQUER DES L MENTS EN MOUSSE M TALLIQUE

Publication

EP 1592818 A2 20051109 (DE)

Application

EP 03779551 A 20031222

Priority

- AT 0300380 W 20031222
- AT 332003 A 20030113

Abstract (en)

[origin: WO2004063406A2] The invention relates to a method for producing a metal foam body, according to which a molten material containing gas is prepared and said molten material is left to solidify, thus forming a metal foam body. The aim of the invention is to produce high-quality metal foam bodies with a desired shape, without requiring complex equipment and whilst reducing the safety risk for the operating personnel. To achieve this, the material used is fused under atmospheric pressure and gas is simultaneously and/or subsequently introduced into the molten metal. The latter is then poured into a mould and is left to solidify, whereby the ambient pressure is reduced at least temporarily.

IPC 1-7

C22C 1/08

IPC 8 full level

B22D 21/00 (2006.01); **B22D 25/00** (2006.01); **C22B 9/05** (2006.01); **C22B 26/22** (2006.01); **C22C 1/08** (2006.01)

CPC (source: EP US)

B22D 21/007 (2013.01 - EP US); **B22D 25/005** (2013.01 - EP US); **C22B 9/05** (2013.01 - EP US); **C22B 26/22** (2013.01 - EP US); **C22C 1/08** (2013.01 - EP US); **C22C 1/083** (2023.01 - EP); **B22F 2999/00** (2013.01 - EP US); **C22C 1/083** (2023.01 - US); **Y02P 10/20** (2015.11 - EP US); **Y10T 428/1234** (2015.01 - EP US)

Citation (search report)

See references of WO 2004063406A2

Citation (examination)

US 5632319 A 19970527 - YANG CHIN-CHEN [TW], et al

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 2004063406 A2 20040729; **WO 2004063406 A3 20041229**; AT 413344 B 20060215; AT A332003 A 20050715; AU 2003287755 A1 20040810; BR 0317993 A 20051206; CA 2513178 A1 20040729; CN 1738919 A 20060222; EP 1592818 A2 20051109; JP 2006513319 A 20060420; MX PA05007507 A 20060127; US 2006150771 A1 20060713; US 7396380 B2 20080708

DOCDB simple family (application)

AT 0300380 W 20031222; AT 332003 A 20030113; AU 2003287755 A 20031222; BR 0317993 A 20031222; CA 2513178 A 20031222; CN 200380108739 A 20031222; EP 03779551 A 20031222; JP 2004565852 A 20031222; MX PA05007507 A 20031222; US 54232503 A 20031222