

Title (en)

Apparatus and process for the manufacture of a metal foam

Title (de)

Vorrichtung und Verfahren zur Herstellung von Metallschaum

Title (fr)

Appareil et procédé pour la fabrication d'une mousse métallique

Publication

**EP 1288320 A3 20030312 (DE)**

Application

**EP 02450138 A 20020614**

Priority

- AT 9362001 A 20010615
- AT 6212002 A 20020422

Abstract (en)

[origin: EP1288320A2] The method entails introducing gas into a particle-containing, molten metal to produce a free-flowing metal foam with voids having a monomodal distribution of their dimensions. The metal foam is at least partially introduced into a casting die and is compressed under essentially all-round pressure. The liquid phase is then allowed to solidify. An Independent claim is also included for a lightweight molded part.

IPC 1-7

**C22C 1/08**; **B22D 11/06**

IPC 8 full level

**B22D 19/14** (2006.01); **B22D 25/00** (2006.01); **B22D 25/02** (2006.01); **B22D 27/20** (2006.01); **B22F 3/11** (2006.01); **C22C 1/08** (2006.01); **C22C 1/10** (2006.01)

CPC (source: EP)

**B22D 25/005** (2013.01); **B22F 3/1103** (2013.01); **C22C 1/08** (2013.01); **C22C 1/083** (2023.01); **C22C 1/086** (2023.01); **B22F 2003/1106** (2013.01); **B22F 2998/00** (2013.01)

Citation (search report)

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**EP 1288320 A2 20030305**; **EP 1288320 A3 20030312**; **EP 1288320 B1 20060419**; AT E323785 T1 20060515; CA 2390745 A1 20021215; CA 2390745 C 20070605; CZ 20022036 A3 20030212; CZ 302631 B6 20110810; DE 50206447 D1 20060524; ES 2263762 T3 20061216; JP 2003112253 A 20030415; NO 20022795 D0 20020612; NO 20022795 L 20021216; NO 335092 B1 20140908; PT 1288320 E 20060831; SI 1288320 T1 20060831

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