

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 B1 20060419 (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 8 full level
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CPC (source: EP)
B22D 25/005 (2013.01); **B22F 3/1103** (2013.01); **C22C 1/08** (2013.01); **C22C 1/083** (2013.01); **C22C 1/086** (2013.01); **B22F 2003/1106** (2013.01); **B22F 2998/00** (2013.01)

Cited by
DE102013103672A1; DE102006031213B3; DE102005037305A1; DE102005037305B4; EP1419835A1; US7959852B2; DE102008000100A1; WO2014166841A1; US7144636B2; US8562904B2

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