

Title (en)
PARTICULATE FEEDSTOCK FOR METAL INJECTION MOLDING

Title (de)
PULVERMISCHUNG ZUM SPRITZGIESSEN VON METALL

Title (fr)
MATERIAU PARTICULAIRE D'ALIMENTATION POUR MOULAGE PAR INJECTION

Publication
EP 0666783 B1 20000412 (EN)

Application
EP 93918800 A 19930906

Priority

- AU 9300454 W 19930906
- AU PL463692 A 19920911
- AU PL968093 A 19930629

Abstract (en)
[origin: WO9406586A1] Particles of metal alloys and composites have been developed that are particularly suitable for use in producing thixotropic alloys and in the injection molding of such alloys. The particulate material comprises particles of metal alloy or composite, wherein a substantial proportion of the particles is shaped such that the ratio of the length of the largest dimension of a particle to the effective diameter of the particle is in the range of 1.0 to 4.0 and the substantial proportion of particles has a particle size wherein the largest dimension of the particles lies within the range of 0.5 to 5.0 mm. This allows convenient handling of the particles whilst also avoiding binding or clogging of the screw, in the case where a screw extruder is used.

IPC 1-7
B22D 23/00; **C22B 9/16**; **B22D 17/00**

IPC 8 full level
B22D 17/00 (2006.01); **B22D 17/20** (2006.01); **B22F 1/05** (2022.01); **B22F 1/06** (2022.01); **B22F 3/02** (2006.01); **B22F 3/22** (2006.01); **C22B 9/16** (2006.01); **C22C 1/00** (2006.01)

CPC (source: EP US)
B22D 17/007 (2013.01 - EP); **B22F 1/05** (2022.01 - EP US); **B22F 1/06** (2022.01 - EP US); **B22F 3/225** (2013.01 - EP US); **C22B 9/16** (2013.01 - EP); **C22C 1/12** (2023.01 - EP); **B22F 2998/00** (2013.01 - EP)

Citation (examination)

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DE10317762B4

Designated contracting state (EPC)
DE FR GB IT SE

DOCDB simple family (publication)
WO 9406586 A1 19940331; BR 9307038 A 19990824; CA 2144434 A1 19940331; DE 69328374 D1 20000518; DE 69328374 T2 20000810; DE 69333841 D1 20050818; EP 0666783 A1 19950816; EP 0666783 A4 19970702; EP 0666783 B1 20000412; EP 0666783 B2 20060315; EP 0960673 A1 19991201; EP 0960673 B1 20050713; IL 106986 A0 19931228; IL 106986 A 19970814; JP 3497167 B2 20040216; JP H08501128 A 19960206; MX 9305588 A 19940531

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AU 9300454 W 19930906; BR 9307038 A 19930906; CA 2144434 A 19930906; DE 69328374 T 19930906; DE 69333841 T 19930906; EP 93918800 A 19930906; EP 99201696 A 19930906; IL 10698693 A 19930909; JP 50759894 A 19930906; MX 9305588 A 19930910