

Title (en)

DEVICE FOR PRODUCING SEMIFINISHED GOODS AND MOULDED PARTS MADE OF METAL MATERIAL

Title (de)

VORRICHTUNG ZUR HERSTELLUNG VON HALBZEUGEN UND FORMTEILEN AUS METALLISCHEM MATERIAL

Title (fr)

DISPOSITIF DE FABRICATION DE DEMI-PRODUITS ET DE PIECES MOULEES A PARTIR D'UNE MATIERE METALLIQUE

Publication

**EP 1152852 A1 20011114 (DE)**

Application

**EP 00907593 A 20000221**

Priority

- DE 19907118 A 19990219
- EP 0001417 W 20000221

Abstract (en)

[origin: DE19907118C1] Injection molding apparatus comprises an extruder (1) for producing a dendrite-free solid-liquid metal stream with thixotropic structure and devices for injection molding the parts. The extruder is a screw system made up of two or more screws (3).

IPC 1-7

**B22D 17/20**; **C22C 47/14**; **C22C 49/00**; **B22F 3/20**; **B21C 23/01**; **B22D 17/00**

IPC 8 full level

**B21C 23/01** (2006.01); **B22D 17/00** (2006.01); **B22D 17/20** (2006.01); **B22D 17/30** (2006.01); **B22F 3/20** (2006.01); **C22C 47/14** (2006.01); **C22C 49/00** (2006.01)

CPC (source: EP US)

**B22D 17/007** (2013.01 - EP US); **B22D 17/30** (2013.01 - EP US); **Y10S 164/90** (2013.01 - EP US)

Citation (search report)

See references of WO 0048767A1

Cited by

DE102014018796A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**DE 19907118 C1 20000525**; AT E296175 T1 20050615; AU 2912900 A 20000904; AU 3281000 A 20000904; DE 50010397 D1 20050630; EP 1152852 A1 20011114; EP 1152852 B1 20050525; US 2002053416 A1 20020509; US 2003111205 A1 20030619; US 6546991 B2 20030415; US 6648057 B2 20031118; WO 0048767 A1 20000824; WO 0049192 A1 20000824

DOCDB simple family (application)

**DE 19907118 A 19990219**; AT 00907593 T 20000221; AU 2912900 A 20000221; AU 3281000 A 20000221; DE 50010397 T 20000221; EP 0001416 W 20000221; EP 0001417 W 20000221; EP 00907593 A 20000221; US 35180303 A 20030127; US 93128901 A 20010816