

Title (en)

RAPID COMPACTION OF RARE EARTH-TRANSITION METAL ALLOYS IN A FLUID-FILLED DIE

Publication

EP 0331286 A3 19891102 (EN)

Application

EP 89300871 A 19890130

Priority

US 16355888 A 19880303

Abstract (en)

[origin: EP0331286A2] A novel method is provided for making large, fully densified rare earth-transition metal magnets. The method involves rapid compaction of very finely crystalline rare earth-transition metal alloy particles (2) retained in a die (12), using pressure applied to a substantially incompressible fluid medium (6) surrounding said particles (2).

IPC 1-7

B22F 3/14; **H01F 1/04**

IPC 8 full level

B22F 3/08 (2006.01); **B22F 3/12** (2006.01); **B22F 3/14** (2006.01); **B22F 3/15** (2006.01); **C22C 33/02** (2006.01); **H01F 1/055** (2006.01); **H01F 1/057** (2006.01); **H01F 1/08** (2006.01); **H01F 41/02** (2006.01)

CPC (source: EP)

B22F 3/1208 (2013.01); **B22F 3/14** (2013.01); **B22F 3/15** (2013.01); **B30B 11/002** (2013.01); **H01F 1/0556** (2013.01); **H01F 1/0576** (2013.01); **H01F 41/0266** (2013.01)

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