

Title (en)
PROCESS FOR MANUFACTURING DISPERSION-CURED METAL ALLOYS

Publication
EP 0223196 A3 19881130 (DE)

Application
EP 86115714 A 19861112

Priority
DE 3540255 A 19851113

Abstract (en)
[origin: US4728359A] A method of producing a dispersion-hardened metal alloy in which oxide particles are distributed uniformly in the metal matrix. The oxide particles, in finely divided form, are added to a solution of the metal along with a degglomerating agent so as to be dispersed in the solution as a colloid. The colloid suspension is then atomized and reduced to form a powder of the alloy with the oxide particles uniformly dispersed therein.

IPC 1-7
C22C 1/10

IPC 8 full level
B22F 9/08 (2006.01); **B22F 9/20** (2006.01); **C22C 1/10** (2006.01)

CPC (source: EP US)
B22F 9/20 (2013.01 - EP US); **C22C 1/1026** (2013.01 - EP US); **Y10S 75/956** (2013.01 - US)

Citation (search report)

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- [Y] DE 1758791 B1 19720203 - SUISSE DE RECH S HORLOGERES LA
- [A] BE 676376 A 19660616
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AT398244B

Designated contracting state (EPC)
BE CH DE FR GB LI NL SE

DOCDB simple family (publication)
EP 0223196 A2 19870527; EP 0223196 A3 19881130; DE 3540255 A1 19870723; JP S62120412 A 19870601; US 4728359 A 19880301

DOCDB simple family (application)
EP 86115714 A 19861112; DE 3540255 A 19851113; JP 26680286 A 19861111; US 92695686 A 19861004