

Title (en)  
METHOD FOR PRODUCTION OF A SINTERED ALLOY

Title (de)  
VERFAHREN ZUR HERSTELLUNG EINER SINTERLEGIERUNG

Title (fr)  
PROCEDE DE FABRICATION D'UN ALLIAGE FRITTE

Publication  
**EP 1405928 B1 20080903 (EN)**

Application  
**EP 02733371 A 20020606**

Priority  
• JP 0205632 W 20020606  
• JP 2001174885 A 20010608

Abstract (en)  
[origin: EP1405928A1] A sintered alloy, characterized in that it comprises, relative to 100 wt.% of the whole alloy, 4 to 30 wt.% of Mo, 0.2 to 3 wt.% of C, 1 to 30 wt.% of Ni, 0.5 to 10 wt.% of Mn, 2 to 40 wt.% of Co and Fe. A method for producing the sintered alloy comprises forming a green compact from a raw material mixed powder containing hard particles and sintering the green compact; and a valve sheet comprising the sintered alloy.

IPC 8 full level  
**B22F 5/00** (2006.01); **B22F 5/10** (2006.01); **C22C 1/04** (2006.01); **C22C 30/00** (2006.01); **C22C 33/02** (2006.01); **C22C 38/00** (2006.01); **C22C 38/52** (2006.01); **C22C 38/58** (2006.01); **F01L 3/02** (2006.01)

CPC (source: EP US)  
**C22C 30/00** (2013.01 - EP US); **C22C 33/0207** (2013.01 - EP US); **C22C 33/0257** (2013.01 - EP US); **C22C 38/52** (2013.01 - EP US); **C22C 38/58** (2013.01 - EP US)

Cited by  
EP1536028A3; WO2011101706A1; US7601196B2; US7294167B2

Designated contracting state (EPC)  
DE ES GB

DOCDB simple family (publication)  
**EP 1405928 A1 20040407**; **EP 1405928 A4 20060830**; **EP 1405928 B1 20080903**; CN 1284876 C 20061115; CN 1541280 A 20041027; DE 60228711 D1 20081016; ES 2314061 T3 20090316; JP 2002363681 A 20021218; JP 4624600 B2 20110202; US 2004194576 A1 20041007; WO 02101107 A1 20021219

DOCDB simple family (application)  
**EP 02733371 A 20020606**; CN 02813749 A 20020606; DE 60228711 T 20020606; ES 02733371 T 20020606; JP 0205632 W 20020606; JP 2001174885 A 20010608; US 47984804 A 20040505