

Title (en)
PROCESS FOR MAKING A MEMORY ALLOY

Publication
EP 0035601 B1 19831221 (DE)

Application
EP 80200184 A 19800303

Priority
EP 80200184 A 19800303

Abstract (en)
[origin: US4365996A] Cu/Al and Cu/Al/Ni memory alloys having improved mechanical properties are prepared by powder metallurgy from mixtures of pre-alloyed and/or pre-mixed powder ingredients. The mixture of powder ingredients is subjected successively to isostatic pressing, sintering in an inert atmospheric and subsequent multi-step hot working with intermediate annealing which serves to homogenize. Final annealing is carried out in the beta -phase solid solution temperature range and the annealed article is quenched in water.

IPC 1-7
C22C 1/04; **C22F 1/08**

IPC 8 full level
B22F 3/24 (2006.01); **C22C 1/04** (2006.01); **C22F 1/00** (2006.01); **C22F 1/08** (2006.01)

CPC (source: EP US)
C22C 1/0425 (2013.01 - EP US); **C22F 1/006** (2013.01 - EP US)

Cited by
EP0086012A3; EP0045985A1; EP0035070B1

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

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EP 0035601 A1 19810916; **EP 0035601 B1 19831221**; DE 3065931 D1 19840126; JP S56136942 A 19811026; US 4365996 A 19821228

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EP 80200184 A 19800303; DE 3065931 T 19800303; JP 2850481 A 19810302; US 23962681 A 19810302