

Title (en)

HARD ALLOY CONSISTING OF ONE OR SEVERAL HARD SUBSTANCES AND A BINDING METAL ALLOY, AND PROCESS FOR PRODUCING THIS ALLOY

Publication

EP 0044351 B1 19850130 (DE)

Application

EP 80104274 A 19800719

Priority

EP 80104274 A 19800719

Abstract (en)

[origin: US4432794A] A hard alloy including at least one hard phase and a binary or multicomponent binder metal alloy, in which the hard substance comprises a finely dispersed, homogeneous distribution in the binder metal. The hard phase comprises a carbide of a Group IVb, Vb or VIb transition metal, and the binder metal alloy comprises a solid alloy of a Group IVb, Vb or VIb transition metal, with Re, Ru, Rh, Pd, Os, Ir, or Pt.

IPC 1-7

C22C 29/00

IPC 8 full level

C22C 29/06 (2006.01); **C22C 29/08** (2006.01); **C22C 29/10** (2006.01); **C22C 32/00** (2006.01)

CPC (source: EP US)

C22C 29/06 (2013.01 - EP US); **C22C 29/067** (2013.01 - EP US); **C22C 32/0052** (2013.01 - EP US)

Citation (examination)

- DE 2225896 A1 19721214 - INT NICKEL LTD
- DE 2011082 A1 19700924
- GB 828877 A 19600224 - ENGELHARD IND INC
- US 4097275 A 19780627 - HORVATH ERICH

Cited by

EP0121769A1; US4574011A

Designated contracting state (EPC)

AT CH DE FR GB LI SE

DOCDB simple family (publication)

EP 0044351 A1 19820127; **EP 0044351 B1 19850130**; AT E11574 T1 19850215; DE 3070055 D1 19850314; JP S5751239 A 19820326; US 4432794 A 19840221

DOCDB simple family (application)

EP 80104274 A 19800719; AT 80104274 T 19800719; DE 3070055 T 19800719; JP 11204681 A 19810717; US 28637681 A 19810717