

Title (en)

Sintered alloy based on carbides, and article made from this alloy.

Title (de)

Sinterlegierung auf Karbidbasis sowie Körper aus dieser Legierung.

Title (fr)

Alliage fritté à base de carbures et articles en cet alliage.

Publication

EP 0121769 A1 19841017 (FR)

Application

EP 84102398 A 19840306

Priority

CH 142183 A 19830315

Abstract (en)

[origin: US4574011A] The alloy of the invention comprises 75 to 90% by weight of a mixture of carbides, for example WC and TiC, and 10 to 25% of a binder. This binder comprises Co, Ni and Ru, representing together 7 to 15% of the alloy, as well as Mo₂C. This alloy is useful for the production of decorative articles having a density similar to that of stainless steel.

Abstract (fr)

L'alliage selon l'invention comporte 75 à 90% en poids d'un mélange de carbures, par exemple WC et TiC, et 10 à 25% d'un liant. Ce liant comporte du Co, Ni et Ru, représentant ensemble 7 à 15% de l'alliage, ainsi que du Mo₂C. Cet alliage permet de réaliser des articles décoratifs dont la densité est analogue à celle de l'acier inoxydable.

IPC 1-7

C22C 29/00; **G04B 37/00**

IPC 8 full level

C22C 29/00 (2006.01); **C22C 29/06** (2006.01); **G04B 37/00** (2006.01); **G04B 37/22** (2006.01)

CPC (source: EP US)

C22C 29/06 (2013.01 - EP US); **C22C 29/067** (2013.01 - EP US); **G04B 37/22** (2013.01 - EP US)

Citation (search report)

- [Y] FR 2097258 A5 19720303 - UGINE CARBONE
- [Y] FR 2037801 A5 19701231 - PRODUCTION TOOL ALLOY CO
- [Y] GB 622041 A 19490426 - MALLORY METALLURG PROD LTD
- [Y] FR 1007185 A 19520502 - W C HERAEUS
- [Y] GB 2081741 A 19820224 - CHUGAI ELECTRIC IND CO LTD
- [A] EP 0044351 A1 19820127 - KERNFORSCHUNGSZ KARLSRUHE [DE]

Cited by

CN109852832A; CN109825753A; EP0214679A1; EP3943630A1

Designated contracting state (EPC)

AT BE DE FR GB IT LU NL SE

DOCDB simple family (publication)

EP 0121769 A1 19841017; **EP 0121769 B1 19870603**; AT E27618 T1 19870615; CH 653204G A3 19851231; DE 121769 T1 19850117; DE 3464063 D1 19870709; US 4574011 A 19860304

DOCDB simple family (application)

EP 84102398 A 19840306; AT 84102398 T 19840306; CH 142183 A 19830315; DE 3464063 T 19840306; DE 84102398 T 19840306; US 58679084 A 19840306