

Title (en)
Sintered alloy of golden color.

Title (de)
Goldfarbige gesinterte Legierung.

Title (fr)
Alliage fritté de couleur dorée.

Publication
EP 0520465 A1 19921230 (EN)

Application
EP 92110770 A 19920626

Priority

- JP 11765992 A 19920511
- JP 15720491 A 19910627
- JP 15720591 A 19910627
- JP 15720691 A 19910627
- JP 20033991 A 19910809

Abstract (en)
This invention comprises a sintered alloy of a nitride of titanium or a carbonitride of titanium and metals having vivid gold color, being excellent in strength, hardness and anticorrosiveness as well as facilitating for a sharp edge working, wherein titanium is contained in an amount of 55 to 75% by weight with respect to the whole amount, metals of the iron family and elements of the Group 6a of periodic table including at least chromium are contained in an amount of 3 to 30% by weight with respect to the whole amount, and the remainder being non-metallic elements consisting of nitrogen or nitrogen and carbon, and wherein the ratio of carbon with respect to said non-metallic elements is smaller than 10% by weight, and the ratio of chromium in the metal elements excluding titanium is not smaller than 35% by weight.

IPC 1-7
C22C 29/16

IPC 8 full level
C22C 29/04 (2006.01); **C22C 29/16** (2006.01)

CPC (source: EP)
C22C 29/04 (2013.01); **C22C 29/16** (2013.01)

Citation (search report)

- [A] US 4589917 A 19860520 - NAGATO YOSHIO [JP]
- [AD] CHEMICAL ABSTRACTS, vol. 99, no. 14, October 03, 1983, Columbus, Ohio, USA TOSHIBA TUNGALOY CO. "Ornamental golden-colored titanium monoxide-base composites" page 252, column 2, abstract-no. 109 451t
- [A] CHEMICAL ABSTRACTS, vol. 95, no. 2, July 13, 1981, Columbus, Ohio, USA MITSUBISHI METAL CORP. "Ornamental hard sintered alloys" page 250, column 2, abstract-no. 11 128k
- [A] CHEMICAL ABSTRACTS, vol. 80, no. 16, April 22, 1974, Columbus, Ohio, USA YONEYA KATSUTOSHI et al. "Hard alloy for ornament" page 233, column 2, abstract-no. 86 647c

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CH DE LI

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