

Title (en)
WHITE-GOLD ALLOY

Title (de)
WEISSGOLDLEGIERUNG

Title (fr)
ALLIAGE D'OR GRIS

Publication
EP 3070182 A1 20160921 (FR)

Application
EP 15159421 A 20150317

Priority
EP 15159421 A 20150317

Abstract (en)
[origin: US2016273077A1] A grey gold alloy which is nickel-free, cobalt-free, iron-free, silver-free, copper-free, zirconium-free, niobium-free, chromium-free and manganese-free, including, expressed in weight percent, from 75.0 to 76.5% of Au, from 15 to 23% of Pd, from 0.5 to 5% of Rh, from 0 to 7% of Pt, and from 0 to 5% of at least one of the alloying elements Ir, Ru, Ti, In, Ga, B and Re, the respective percentages of all the alloying elements adding up to 100%.

Abstract (fr)
L'invention se rapporte à un alliage d'or gris sans nickel, sans cobalt, sans fer, sans argent, sans cuivre, sans zirconium, sans niobium, sans chrome et sans manganèse, comprenant, exprimé en poids, de 75,0 à 76,5 % d'Au, de 15 à 23 % de Pd, de 0.5 à 5 % de Rh, de 0 à 7 % de Pt, et de 0 à 5% d'au moins un des éléments d'addition Ir, Ru, Ti, In, Ga, B et Re, les pourcentages respectifs de l'ensemble des éléments de l'alliage se complétant jusqu'à 100%.

IPC 8 full level
C22C 5/02 (2006.01)

CPC (source: CN EP US)
A44C 5/00 (2013.01 - US); **A44C 5/18** (2013.01 - US); **A44C 27/003** (2013.01 - US); **C22C 1/02** (2013.01 - EP US); **C22C 5/02** (2013.01 - CN EP US); **G04B 37/22** (2013.01 - US)

Citation (applicant)

- EP 1010768 A1 20000621 - METAUX PRECIEUX SA [CH]
- EP 1227166 A1 20020731 - METAUX PRECIEUX SA [CH]
- EP 1245688 A2 20021002 - METALOR TECHNOLOGIES INT [CH]
- EP 2546371 A1 20130116 - CENDRES & METAUX SA [CH]
- WO 2010127458 A1 20101111 - ROLEX SA [CH], et al

Citation (search report)

- [A] EP 0346595 A2 19891220 - DEGUSSA [DE]
- [A] DE 102009053567 A1 20110512 - WIELAND DENTAL & TECHNIK GMBH [DE]
- [A] JP 2008214718 A 20080918 - TOKURIKI HONTEN KK
- [A] EP 0598431 A1 19940525 - ELEPHANT EDELMETAAL BV [NL]

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EP3339455A1; US10458002B2; WO2024134394A1; EP3808865A1

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3070182 A1 20160921; EP 3070182 B1 20170830; CN 105986142 A 20161005; CN 105986142 B 20180914; JP 2016172925 A 20160929; JP 2018048409 A 20180329; JP 6280580 B2 20180214; JP 6827909 B2 20210210; RU 2016109478 A 20170921; RU 2016109478 A3 20190909; US 11591672 B2 20230228; US 2016273077 A1 20160922

DOCDB simple family (application)
EP 15159421 A 20150317; CN 201610146929 A 20160315; JP 2016046671 A 20160310; JP 2017222556 A 20171120; RU 2016109478 A 20160316; US 201615052011 A 20160224