

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]

Cited by  
EP3339455A1; US10458002B2; WO2024134394A1; EP3808865A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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