

Title (en)

Jewellery made from perfectly white, tarnish-proof noble metal alloy

Title (de)

Schmuckstück aus einer ideal-weiße, anlaufbeständigen Edelmetall-Legierung

Title (fr)

Article de bijou en métal précieux blanc idéal et résistant

Publication

EP 2420583 B1 20161102 (DE)

Application

EP 11005688 A 20110712

Priority

- DE 102010026930 A 20100712
- DE 202010010147 U 20100712

Abstract (en)

[origin: EP2420583A2] The ideal-white, tarnish-resistant precious metal jewellery alloy comprises rhodium (40-70 wt.%), platinum (60-30 wt.%), and ruthenium, iridium and/or gold (20 wt.%), and/or palladium (30 wt.%), where total portion of rhodium, platinum and additives is 100% and the platinum is replaced through palladium.

IPC 8 full level

C22C 5/04 (2006.01)

CPC (source: EP)

C22C 5/04 (2013.01); **A44C 27/003** (2013.01)

Citation (examination)

- MUELLER ET AL: "Bestimmung der Schmelzpunkte von Platinlegierungen = Determination of the Melting Points of Platinum Alloys", ANNALEN DER PHYSIK, BARTH, LEIPIG, DE, vol. 399, no. 1, 1 January 1930 (1930-01-01), pages 9 - 47, XP009173928, ISSN: 0003-3804
- DRILENOK B S ET AL: "Interdiffusion in the platinum-rhodium system and heat resistance of alloys", CVETNYE METALLY (TSVETNYE METALLY), MOSKVA : GOS. OB'EDINNOE NAU PRG ANO-TECHNI PRG AESKOE IZDAT, no. 1, 1 January 1987 (1987-01-01), pages 83 - 84, XP009173942, ISSN: 0372-2929
- SPIEKERMANN P: "LEGIERUNGEN - EIN BESONDERES PATENTRECHTLICHES PROBLEM? - LEGIERUNGSPRUEFUNG IM EUROPÄISCHEN PATENTAMT -", MITTEILUNGEN DER DEUTSCHEN PATENTANWÄLTE, HEYMANN, KOLN, DE, 1 January 1993 (1993-01-01), pages 178 - 190, XP000961882, ISSN: 0026-6884

Cited by

DE102015003996A1; EP3020835A1; DE102014001718A1; DE102015003996B4; CN105603241A; CN108728684A; WO2015120978A1; US10119177B2; DE202015002358U1

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

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EP 2420583 A2 20120222; EP 2420583 A3 20120704; EP 2420583 A8 20120516; EP 2420583 B1 20161102; EP 3135781 A1 20170301

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