

Title (en)
PLATINUM ALLOY

Title (de)
PLATINLEGIERUNG

Title (fr)
ALLIAGE DE PLATINE

Publication
EP 3502286 A1 20190626 (FR)

Application
EP 17208872 A 20171220

Priority
EP 17208872 A 20171220

Abstract (en)
[origin: US2019185965A1] A nickel-free and cobalt-free platinum alloy including, expressed by weight, from 95.0% to 96.0% of Pt, from 0.5% to 4.5% of Ir, from 0.01% to 2% of Au, from 0 to 2% of Ge, and from 0 to 1% of at least one of the alloying elements Ru, Rh, Pd, Sn, Ga, Re, the respective percentages of all of the elements of the alloy adding up to 100%.

Abstract (fr)
L'invention se rapporte à un alliage de platine sans nickel, sans cobalt comprenant, exprimé en poids, de 95.0 à 96.0 % de Pt, de 0.5 à 4.5 % d'Ir, de 0.01 à 2% d'Au, de 0 à 2 % de Ge, et de 0 à 1% d'au moins un des éléments d'addition Ru, Rh, Pd, Sn, Ga, Re, les pourcentages respectifs de l'ensemble des éléments de l'alliage se complétant jusqu'à 100%.

IPC 8 full level
A44C 27/00 (2006.01); **C22C 5/04** (2006.01)

CPC (source: EP US)
A44C 5/00 (2013.01 - US); **C22C 5/04** (2013.01 - EP US); **G04B 3/04** (2013.01 - US); **G04B 19/04** (2013.01 - US); **G04B 37/22** (2013.01 - US); **A44C 27/003** (2013.01 - EP US)

Citation (applicant)

- FR 2381832 A1 19780922 - JOHNSON MATTHEY CO LTD [GB]
- JP S6356015 B2 19881107
- JP S6347533 B2 19880922
- JP S61134134 A 19860621 - NEC CORP

Citation (search report)

- [AD] US 4165983 A 19790828 - BOURNE ALAN A [GB], et al
- [A] US 2005284257 A1 20051229 - OSADA MASAMI [JP], et al
- [A] JP 2005029879 A 20050203 - KUWAYAMA CORP

Cited by
EP4177366A1; EP4198157A1; US11702722B2

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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BA ME

DOCDB simple family (publication)
EP 3502286 A1 20190626; **EP 3502286 B1 20210127**; CN 109943744 A 20190628; CN 109943744 B 20210924; JP 2019112715 A 20190711; JP 6778732 B2 20201104; US 10870906 B2 20201222; US 2019185965 A1 20190620

DOCDB simple family (application)
EP 17208872 A 20171220; CN 201811492444 A 20181207; JP 2018228754 A 20181206; US 201816211268 A 20181206