

Title (en)

MASTER ALLOYS FOR MANUFACTURING WHITE GOLD ALLOYS, AND METHOD FOR MANUFACTURING THEREOF

Title (de)

VORLEGIERUNGEN ZUR HERSTELLUNG VON WEISSGOLDLEGIERUNGEN UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

ALLIAGES MÈRES POUR LA FABRICATION D'ALLIAGES D'OR BLANC, ET SON PROCÉDÉ DE FABRICATION

Publication

**EP 2867379 A1 20150506 (EN)**

Application

**EP 14731027 A 20140424**

Priority

- IT VI20130118 A 20130424
- IB 2014060983 W 20140424

Abstract (en)

[origin: WO2014174482A1] A nickel- and palladium-free master alloy usable with gold for manufacturing white gold alloys, comprising: (A) 35% to 80% by weight of silver; (B) 3% to 20% by weight of zinc; (C) 0.5% to 40% by weight of copper; (D) 5% to 40% by weight of manganese; (E) 0% to 0.25% by weight of at least one grain refiner selected the group consisting of: iridium, ruthenium, rhenium, cobalt and rhodium; (F) 0% to 0.5% by weight of at least one deoxidizing agent selected the group consisting of: silicon, lithium and phosphorus; (G) 0% to 3% of gallium. A method for manufacturing such master alloy, comprising the steps of preparing a mixture of the above components (A) to (G) and tableting this mixture.

IPC 8 full level

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CPC (source: EP)

**C22C 5/02** (2013.01); **C22C 5/06** (2013.01); **C22C 30/02** (2013.01); **C22C 30/06** (2013.01)

Citation (search report)

See references of WO 2014174482A1

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