

Title (en)

Method for producing an alloy for ornamental articles and alloy for ornamental articles which can be obtained in particular by means of this method

Title (de)

Verfahren zur Herstellung einer Legierung für Ziergegenstände und Legierung für Ziergegenstände, die insbesondere mit diesem Verfahren hergestellt werden kann

Title (fr)

Procédé pour la fabrication d'un alliage pour objets d'ornement et alliage pour objets d'ornement qui peut être obtenu en particulier selon ce procédé

Publication

EP 1918047 A1 20080507 (EN)

Application

EP 07425215 A 20070413

Priority

EP 07425215 A 20070413

Abstract (en)

Method for producing an alloy for ornamental articles, which envisages introducing, into the plasticization chamber of an extruder at a temperature of between 120 and 220 °C, an amount of a polymer composition and an amount of a metallic powder formed with one or more precious metals having particles with an average size of less than 0.5 micron in order to achieve thorough mixing between the amount of polymer composition in the liquid state and the amount of metallic powder by means of one or more screws provided with mixing segments; and then an extrusion and cutting step in order to obtain an intermediate product with a precious metal content to be treated during a subsequent forming step aimed at obtaining an ornamental article in the desired form.

IPC 8 full level

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CPC (source: EP)

A44C 27/003 (2013.01); **B22F 3/20** (2013.01); **C22C 32/0094** (2013.01)

Citation (applicant)

- US 4476090 A 19841009 - HEIDSIEK HORST [DE], et al
- US 5578383 A 19961126 - BEYER HANS-HERMANN [DE], et al
- US 4282174 A 19810804 - CHASE BARRY J, et al

Citation (search report)

- [DX] US 5578383 A 19961126 - BEYER HANS-HERMANN [DE], et al
- [X] US 4282174 A 19810804 - CHASE BARRY J, et al

Cited by

CN103930575A; US9353241B2; WO2015155594A1; WO2012101568A1; EP3785823A1; WO2021037915A1; EP3763842A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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