

Title (en)

METHOD FOR PRODUCING SILVER NANOPARTICLES

Title (de)

VERFAHREN ZUR HERSTELLUNG VON SILBERNANOPARTIKELN

Title (fr)

PROCÉDÉ DE PRODUCTION DE NANOPARTICULES D'ARGENT

Publication

EP 3685943 A4 20201021 (EN)

Application

EP 18870956 A 20181009

Priority

- JP 2017208066 A 20171027
- JP 2018037573 W 20181009

Abstract (en)

[origin: EP3685943A1] Provided is a method for producing silver nanoparticles having high monodispersity. The method for producing silver nanoparticles comprises steps of: forming a silver-amine complex as a precursor by reacting a silver compound with an amine compound in the presence of a dispersant; and precipitating a silver nanoparticle from a chemical reaction system containing the silver-amine complex, wherein the amine compound contains at least one compound represented by chemical formula (1).

IPC 8 full level

B22F 9/24 (2006.01); **B22F 1/054** (2022.01); **B22F 1/102** (2022.01); **B22F 9/30** (2006.01)

CPC (source: EP US)

B22F 1/054 (2022.01 - EP US); **B22F 1/102** (2022.01 - EP US); **B22F 9/30** (2013.01 - EP US); **B22F 9/24** (2013.01 - EP)

Citation (search report)

- [X] WO 2016185728 A1 20161124 - NAT UNIV CORP YAMAGATA UNIV [JP] & EP 3299099 A1 20180328 - UNIV YAMAGATA NAT UNIV CORP [JP]
- [XA] EP 2581153 A1 20130417 - NIPPON SHEET GLASS CO LTD [JP]
- [XDA] US 5389122 A 19950214 - GLICKSMAN HOWARD D [US]

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 3685943 A1 20200729; **EP 3685943 A4 20201021**; JP WO2019082636 A1 20201112; WO 2019082636 A1 20190502

DOCDB simple family (application)

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