

Title (en)

METHOD FOR PRODUCING NICKEL ALLOY POROUS BODY

Title (de)

VERFAHREN ZUR HERSTELLUNG VON PORÖSEM NICKELLEGIERUNGSKÖRPER

Title (fr)

PROCÉDÉ DE PRODUCTION DE CORPS POREUX EN ALLIAGE DE NICKEL

Publication

EP 3260579 A4 20180124 (EN)

Application

EP 16752200 A 20160122

Priority

- JP 2015029654 A 20150218
- JP 2016051784 W 20160122

Abstract (en)

[origin: EP3260579A1] A method for producing a nickel alloy porous body includes a step of applying a coating material that contains a nickel alloy powder of nickel and an added metal, the nickel alloy powder having a volume-average particle size of 10 µm or less, onto a surface of a skeleton of a resin formed body having a three-dimensional mesh-like structure; a step of plating with nickel the surface of the skeleton of the resin formed body onto which the coating material has been applied; a step of removing the resin formed body; and a step of diffusing the added metal into the nickel by a heat treatment.

IPC 8 full level

C25D 1/08 (2006.01); **B22F 1/12** (2022.01); **C22C 1/08** (2006.01); **C25D 5/50** (2006.01)

CPC (source: EP KR US)

B22F 1/12 (2022.01 - EP KR US); **C22C 1/08** (2013.01 - EP US); **C23C 10/28** (2013.01 - KR); **C25D 1/08** (2013.01 - EP KR US); **C25D 5/50** (2013.01 - US); **C25D 5/56** (2013.01 - US); **B22F 2301/15** (2013.01 - KR US); **B22F 2304/10** (2013.01 - US)

Citation (search report)

- [A] US 2014335441 A1 20141113 - TSUKAMOTO KENGO [JP], et al & JP 2013133504 A 20130708 - TOYAMA SUMITOMO DENKO KK
- [A] JP 2003147570 A 20030521 - SUMITOMO ELECTRIC INDUSTRIES
- [A] US 2014087206 A1 20140327 - OKUNO KAZUKI [JP], et al
- See references of WO 2016132811A1

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

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EP 3260579 A1 20171227; **EP 3260579 A4 20180124**; **EP 3260579 B1 20181017**; CN 107208294 A 20170926; CN 107208294 B 20190730; JP 6653313 B2 20200226; JP WO2016132811 A1 20171124; KR 20170118701 A 20171025; US 2018030607 A1 20180201; WO 2016132811 A1 20160825

DOCDB simple family (application)

EP 16752200 A 20160122; CN 201680010206 A 20160122; JP 2016051784 W 20160122; JP 2017500565 A 20160122; KR 20177019564 A 20160122; US 201615550474 A 20160122