

Title (en)

NICKEL-PLATING ADDITIVE AND SATIN NICKEL-PLATING BATH CONTAINING SAME

Title (de)

VERNICKELUNGSADDITIV UND SATINVERNICKELUNGSBAD DAMIT

Title (fr)

ADDITIF DE PLACAGE DE NICKEL ET BAIN DE PLACAGE DE NICKEL SATINÉ LE CONTENANT

Publication

EP 3372709 A4 20190619 (EN)

Application

EP 15907841 A 20151106

Priority

JP 2015081404 W 20151106

Abstract (en)

[origin: EP3372709A1] Provided are a technique with which a satin-like appearance can be obtained in nickel-plating by a nickel-plating additive characterized by containing a benzethonium salt, a satin nickel-plating bath containing the same, and a satin nickel-plating method using the same.

IPC 8 full level

C25D 3/12 (2006.01)

CPC (source: EP KR US)

C25D 3/12 (2013.01 - EP KR US); **C25D 5/627** (2020.08 - KR); **C25D 7/00** (2013.01 - KR)

Citation (search report)

- [XY] US 4728398 A 19880301 - PAULET JEAN-FRANCOIS [CH], et al
- [X] US 2008196625 A1 20080821 - BIALKOWSKI DORIS [DE], et al
- [XI] US 4102755 A 19780725 - BRUGGER ROBERT, et al
- [X] US 2011233065 A1 20110929 - KOENIGSHOFEN ANDREAS [DE], et al
- [Y] WO 03100137 A2 20031204 - ATOTECH DEUTSCHLAND GMBH [DE], et al
- See references of WO 2017077655A1

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

DOCDB simple family (publication)

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DOCDB simple family (application)

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