

Title (en)

METHOD FOR PLASMA POWDER TREATMENT AND COATING

Title (de)

VERFAHREN ZUR PLASMAPULVERBEHANDLUNG UND -BESCHICHTUNG

Title (fr)

PROCÉDÉ DE TRAITEMENT ET DE REVÊTEMENT DE POUDRE DE PLASMA

Publication

**EP 3565386 A1 20191106 (EN)**

Application

**EP 18170221 A 20180430**

Priority

EP 18170221 A 20180430

Abstract (en)

A method (100) for changing at least one surface property of particles, the method comprising the steps of: providing (110) an electrical discharge assembly; providing (120) a liquid, and providing (120) the particles mixed in the liquid, in the electrical discharge assembly, wherein the liquid is provided in the electrical charge assembly such that when an electrical gas discharge is generated in a gas between two electrodes of the electrical discharge assembly, the electrical gas discharge is in contact with the liquid; modifying (130) at least one surface property of the particles by generating the electrical gas discharge using the two electrodes.

IPC 8 full level

**H05H 1/48** (2006.01); **C25C 5/00** (2006.01)

CPC (source: EP US)

**H05H 1/488** (2021.05 - EP US)

Citation (applicant)

US 2011006039 A1 20110113 - SWALLOW FRANK [IE], et al

Citation (search report)

- [XY] WO 2016095035 A1 20160623 - UNIVERSITÉ LAVAL [CA]
- [Y] WO 2005039753 A1 20050506 - DOW CORNING IRELAND LTD [IE], et al
- [Y] WO 2004068916 A1 20040812 - DOW CORNING IRELAND LTD [IE], et al

Cited by

RU2729531C1

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)

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