

Title (en)

Atomiser and appropriate operating method

Title (de)

Zerstäuber und zugehöriges Betriebsverfahren

Title (fr)

Atomiseur et procédé de fonctionnement correspondant

Publication

**EP 1849527 A3 20100505 (DE)**

Application

**EP 07007204 A 20070405**

Priority

DE 102006019890 A 20060428

Abstract (en)

[origin: EP1849527A2] The atomizer has application element for the application of coating medium jet (5) on a component which is coated, and atomizer housing. A cladding current nozzle (10) is arranged in the atomizer housing for discharge of an air-conditioned cladding current, which partly surrounds the coating medium jet. Independent claims are also included for the following: (1) electrostatic painting system (2) an operating method for an atomizer.

IPC 8 full level

**B05B 5/04** (2006.01)

CPC (source: EP US)

**B05B 5/001** (2013.01 - EP US); **B05B 5/0426** (2013.01 - EP US); **B05B 12/18** (2018.01 - EP US); **B05B 5/0407** (2013.01 - EP US)

Citation (search report)

- [XYI] WO 2005110618 A1 20051124 - LIND FINANCE & DEV AB [SE], et al
- [Y] JP S5892475 A 19830601 - ASAHI OKUMA IND
- [XYI] EP 1362640 A1 20031119 - DUERR SYSTEMS GMBH [DE]
- [Y] JP H0884941 A 19960402 - NISSAN MOTOR
- [XI] US 2005181142 A1 20050818 - HIRANO KATSUMI [JP], et al
- [XI] US 2004163588 A1 20040826 - ARVIN JAMES F [US], et al
- [XI] US 3857511 A 19741231 - GOVINDAN T

Cited by

EP4094842A1; CN115400893A; WO2011032906A1; JP2007296520A; EP3056283B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

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DE 102006019890 B4 20081016; EP 3566779 A1 20191113; EP 3566779 B1 20201202; ES 2744815 T3 20200226; ES 2857835 T3 20210929;  
JP 2007296520 A 20071115; JP 5548330 B2 20140716; US 2007262170 A1 20071115; US 7971805 B2 20110705

DOCDB simple family (application)

**EP 07007204 A 20070405**; DE 102006019890 A 20060428; EP 19178996 A 20070405; ES 07007204 T 20070405; ES 19178996 T 20070405;  
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