

Title (en)
METHOD FOR MAKING PATCHES BY ELECTROSPRAY

Title (de)
VERFAHREN ZUR HERSTELLUNG VON PFLASTERN DURCH EIN ELEKTROSPRAY

Title (fr)
PROCEDE DE FABRICATION DE PATCHS PAR ELECTROSPRAY

Publication
EP 2237773 A1 20101013 (FR)

Application
EP 09706450 A 20090123

Priority
• FR 2009050094 W 20090123
• FR 0850406 A 20080123

Abstract (en)
[origin: WO2009095591A1] The invention relates to a method for making a device (1) for the skin application of a substance, that comprises using an electrohydrodynamic spraying (or electrospray) method for depositing the substance onto the device. The method particularly includes the steps of placing a substrate (31) at a distance from a spraying nozzle (11), feeding a liquid formulation (21) containing the substance towards the spraying nozzle (11), and submitting the formulation (21) to an electric field in order to form an aerosol (22) between the nozzle (11) and the substrate (31), and collecting on the substrate (31) the particles formed from said aerosol (22).

IPC 8 full level
A61K 9/70 (2006.01); **A61L 15/16** (2006.01); **B05B 5/08** (2006.01); **B05B 5/14** (2006.01)

CPC (source: EP US)
A61K 9/14 (2013.01 - US); **A61K 9/7023** (2013.01 - EP US); **A61K 47/645** (2017.07 - EP US); **B01F 33/3031** (2022.01 - US); **B05B 5/087** (2013.01 - EP US); **B05B 5/14** (2013.01 - EP US); **B05D 1/04** (2013.01 - EP US); **B05B 5/0255** (2013.01 - EP US); **B05B 5/084** (2013.01 - EP US); **B05D 2252/04** (2013.01 - EP US)

Citation (search report)
See references of WO 2009095591A1

Citation (examination)
• US 2007278103 A1 20071206 - HOERR ROBERT A [US], et al
• US 2002081732 A1 20020627 - BOWLIN GARY L [US], et al

Designated contracting state (EPC)
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 SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
FR 2926466 A1 20090724; **FR 2926466 B1 20101112**; AU 2009208883 A1 20090806; AU 2009208883 B2 20150423; CA 2712184 A1 20090806; CA 2712184 C 20170704; CN 101932312 A 20101229; CN 101932312 B 20130828; EP 2237773 A1 20101013; IL 206969 A0 20101230; IL 206969 A 20170131; JP 2011509785 A 20110331; JP 5713341 B2 20150507; KR 101605696 B1 20160323; KR 20100117601 A 20101103; US 2010297213 A1 20101125; WO 2009095591 A1 20090806

DOCDB simple family (application)
FR 0850406 A 20080123; AU 2009208883 A 20090123; CA 2712184 A 20090123; CN 200980102999 A 20090123; EP 09706450 A 20090123; FR 2009050094 W 20090123; IL 20696910 A 20100713; JP 2010543550 A 20090123; KR 20107017689 A 20090123; US 86398109 A 20090123