

Title (en)

NOZZLE HEAD FOR A SPRAY GUN

Title (de)

DÜSENKOPF FÜR EINE SPRITZVORRICHTUNG

Title (fr)

TÊTE DE BUSE POUR UNE PISTOLET DE PULVÉRISATION

Publication

EP 2576079 A1 20130410 (DE)

Application

EP 11723182 A 20110521

Priority

- DE 202010007355 U 20100528
- EP 2011002544 W 20110521

Abstract (en)

[origin: CA2797990A1] The invention relates to a nozzle head for a spray device, comprising a central material nozzle, an air ring nozzle surrounding said material nozzle, and preferably at least two laterally projecting horns, into each of which at least one horn air nozzle is incorporated, and optionally comprising a material-conducting needle, characterised in that at least one nozzle (3, 3a, 3b, 5, 5a, 12, 12a, 12b, 15, 16, 17, 17a, 17b, 17c, 18, 18a, 18b1, 18b2, 18b3, 300a, 300b), preferably at least one horn air nozzle (15, 16, 17, 17a, 17b, 17c, 18, 18a, 18b1, 18b2, 18b3, 300a), has a non-cylindrical shape.

IPC 8 full level

B05B 7/06 (2006.01); **B05B 7/08** (2006.01); **B05B 7/02** (2006.01)

CPC (source: CN EP US)

B05B 7/064 (2013.01 - CN EP US); **B05B 7/0815** (2013.01 - CN EP US); **B05B 7/025** (2013.01 - EP US)

Citation (search report)

See references of WO 2011147555A1

Cited by

US10702879B2; US9878336B2; US10464076B2; US11801521B2; US9782785B2; US9782784B2; USD835235S; US10189037B2; US10471449B2; US11141747B2; US10835911B2; US11826771B2; US11865558B2

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)

DE 202010007355 U1 20111020; AU 2011257605 A1 20121129; AU 2011257605 B2 20141211; CA 2797990 A1 20111201; CA 2797990 C 20180612; CN 102917803 A 20130206; CN 106925462 A 20170707; EP 2576079 A1 20130410; EP 2576079 B1 20190911; JP 2013537470 A 20131003; JP 2016052660 A 20160414; JP 5875580 B2 20160302; JP 6162267 B2 20170712; US 2013056556 A1 20130307; US 9782784 B2 20171010; WO 2011147555 A1 20111201

DOCDB simple family (application)

DE 202010007355 U 20100528; AU 2011257605 A 20110521; CA 2797990 A 20110521; CN 201180026602 A 20110521; CN 201710158702 A 20110521; EP 11723182 A 20110521; EP 2011002544 W 20110521; JP 2013512782 A 20110521; JP 2016008140 A 20160119; US 201113698417 A 20110521