

Title (en)

IMPROVED NOZZLE FOR SPRAY GUNS INTENDED FOR PAINTS AND DERIVATIVES, BASED ON FLUID TRANSFER

Title (de)

VERBESSERTE DÜSE FÜR SPRÜHPISTOLEN FÜR FARBEN UND DERIVATE DAVON AUF BASIS VON FLUID-ÜBERTRAGUNGEN

Title (fr)

BOUSE PERFECTIONNÉE POUR PISTOLET À PEINTURE ET DÉRIVÉS AVEC TRANSFERT DE FLUIDES

Publication

EP 2478964 A2 20120725 (EN)

Application

EP 10808007 A 20100805

Priority

- ES 200901761 A 20090811
- ES 2010000351 W 20100805

Abstract (en)

The invention relates to an improved nozzle for spray guns intended for paints and derivatives based on fluid transfer, made up of the resin outlet (9), a catalyst inlet (1), the air crests (8) with nozzle (7) outlet holes, which nozzle houses internal channels through which the catalyst is conveyed to the holes (2). The nozzle also includes other internal pressurized air inlet channels (4) which convey the air through the inside to different elements on the surface of the nozzle (7), such as outlet, in a first phase (5), for forming the resin fan and outlets, in a second phase (3), for generating a cloud that sprays the catalyst, where the resin fluids and the catalyst or other components are mixed outside the nozzle (7) at the time of use, the nozzle further having external holes (6) for extra air supply.

IPC 8 full level

B05B 1/12 (2006.01); **B05B 1/04** (2006.01); **B05B 1/14** (2006.01); **B05B 7/08** (2006.01)

CPC (source: EP ES)

B05B 1/042 (2013.01 - ES); **B05B 1/06** (2013.01 - ES); **B05B 7/061** (2013.01 - EP); **B05B 7/0815** (2013.01 - EP); **B05B 7/0869** (2013.01 - ES); **B05B 7/0846** (2013.01 - EP)

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 SE SI SK SM TR

DOCDB simple family (publication)

EP 2478964 A2 20120725; **EP 2478964 A4 20130814**; **EP 2478964 B1 20181017**; ES 2359198 A1 20110519; ES 2359198 B1 20120424; ES 2703397 T3 20190308; PL 2478964 T3 20190628; PT 2478964 T 20190128; TR 201821069 T4 20190121; WO 2011018538 A2 20110217; WO 2011018538 A3 20110714

DOCDB simple family (application)

EP 10808007 A 20100805; ES 10808007 T 20100805; ES 200901761 A 20090811; ES 2010000351 W 20100805; PL 10808007 T 20100805; PT 10808007 T 20100805; TR 201821069 T 20100805