

Title (en)  
METHOD FOR SPRAYING ON PIGMENTED LIQUIDS

Title (de)  
VORRICHTUNG ZUM AUFSPRÜHEN VON PIGMENTIERTEN FLÜSSIGKEITEN

Title (fr)  
DISPOSITIF DE PULVERISATION DE LIQUIDES PIGMENTES

Publication  
**EP 1912745 A1 20080423 (DE)**

Application  
**EP 06776707 A 20060809**

Priority  
• EP 2006007880 W 20060809  
• DE 102005038162 A 20050812

Abstract (en)  
[origin: US2010282868A1] In a device for spraying on pigmented liquids by means of an air flow comprising a base body, a spray nozzle disposed at the front side of the base body, said spray nozzle having a needle acted upon by a spring disposed in the centre thereof, a compressed air inlet and an adjacent compressed air duct, an inlet for a pigmented liquid, with a controllable compressed air flow supplied via the compressed air duct being guided past an inlet for the pigmented liquid where it is loaded with droplets of liquid, said droplets of liquid being discharged by the spray nozzle as long as the compressed air flow is maintained, it is provided that the nozzle (5) and the needle (12) are positioned in a nozzle carrier (10), with the nozzle carrier (10) being provided with the inlet (17) for the pigmented liquid, and with the nozzle carrier being removable or replaceable, respectively, as a whole.

IPC 8 full level  
**B05B 7/24** (2006.01); **B05B 7/06** (2006.01); **B05B 7/12** (2006.01)

CPC (source: EP KR US)  
**B05B 7/06** (2013.01 - KR); **B05B 7/12** (2013.01 - KR); **B05B 7/24** (2013.01 - KR); **B05B 7/2405** (2013.01 - EP US);  
**B05B 7/2435** (2013.01 - EP US); **B05B 7/1209** (2013.01 - EP US); **B05B 12/14** (2013.01 - EP US)

Citation (search report)  
See references of WO 2007019997A1

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**US 2010282868 A1 20101111**; **US 8500043 B2 20130806**; AT E445464 T1 20091015; BR PI0614564 A2 20091201; BR PI0614564 B1 20180703; CA 2618816 A1 20070222; CA 2618816 C 20130402; CN 101242909 A 20080813; CN 101242909 B 20100609; DE 102005038162 A1 20070215; DE 102005038162 A8 20070705; DE 502006005124 D1 20091126; EP 1912745 A1 20080423; EP 1912745 B1 20091014; ES 2334829 T3 20100316; HK 1119116 A1 20090227; JP 2009504366 A 20090205; JP 5011295 B2 20120829; KR 101219229 B1 20130118; KR 20080033357 A 20080416; PL 1912745 T3 20100331; WO 2007019997 A1 20070222

DOCDB simple family (application)  
**US 6365206 A 20060809**; AT 06776707 T 20060809; BR PI0614564 A 20060809; CA 2618816 A 20060809; CN 200680029560 A 20060809; DE 102005038162 A 20050812; DE 502006005124 T 20060809; EP 06776707 A 20060809; EP 2006007880 W 20060809; ES 06776707 T 20060809; HK 08110978 A 20080930; JP 2008525477 A 20060809; KR 20087002979 A 20060809; PL 06776707 T 20060809