

Title (en)  
DEVICE FOR SPRAYING PIGMENTED FLUIDS

Title (de)  
VORRICHTUNG ZUM AUFSPRÜHEN VON PIGMENTIERTEN FLÜSSIGKEITEN

Title (fr)  
DISPOSITIF POUR PULVÉRISER DES LIQUIDES PIGMENTÉS

Publication  
**EP 2134475 B1 20110525 (DE)**

Application  
**EP 08734896 A 20080331**

Priority  
• EP 2008002534 W 20080331  
• DE 102007016992 A 20070411

Abstract (en)  
[origin: WO2008125209A1] The invention relates to a device for spraying pigmented fluids by means of an air flow, comprising a base body (1), a spray nozzle (5) located on the front side of the base body (1), the nozzle having a needle (12a) centrally located therein, a compressed air inlet and a connecting compressed air channel (24a), an outlet opening (32) for a pigmented fluid, wherein a regulatable compressed air flow supplied through the compressed air channel (24a) is directed past the outlet opening (32) for the pigmented fluid and loaded with fluid droplets, said fluid droplets being emitted through the spray nozzle (5) as long as the compressed air flow is maintained, wherein the nozzle (5) and the needle (12a) are located in a nozzle head (10a) and the nozzle head (10a) can be removed or replaced as a unit, a storage tank (31) for the pigmented fluid to be sprayed being located in the nozzle head (10a).

IPC 8 full level  
**B05B 7/12** (2006.01); **B05B 7/14** (2006.01)

CPC (source: EP KR US)  
**B05B 7/12** (2013.01 - KR); **B05B 7/14** (2013.01 - KR); **B05B 7/2408** (2013.01 - EP US); **B05B 7/2435** (2013.01 - EP US);  
**B05B 7/2478** (2013.01 - EP US); **B05B 7/066** (2013.01 - EP US); **B05B 7/1209** (2013.01 - EP US)

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 MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2008125209 A1 20081023**; AT E510627 T1 20110615; BR PI0810533 A2 20141021; BR PI0810533 B1 20190903;  
CA 2683903 A1 20081023; CA 2683903 C 20140819; CN 101652188 A 20100217; CN 101652188 B 20131106; DK 2134475 T3 20110912;  
EP 2134475 A1 20091223; EP 2134475 B1 20110525; ES 2363405 T3 20110803; HK 1138232 A1 20100820; JP 2010523320 A 20100715;  
JP 5186549 B2 20130417; KR 101450363 B1 20141014; KR 20090128549 A 20091215; MX 2009009972 A 20091102; PL 2134475 T3 20111031;  
US 2010224701 A1 20100909; US 8052072 B2 20111108

DOCDB simple family (application)  
**EP 2008002534 W 20080331**; AT 08734896 T 20080331; BR PI0810533 A 20080331; CA 2683903 A 20080331; CN 200880011603 A 20080331;  
DK 08734896 T 20080331; EP 08734896 A 20080331; ES 08734896 T 20080331; HK 10103592 A 20100413; JP 2010502443 A 20080331;  
KR 20097023381 A 20080331; MX 2009009972 A 20080331; PL 08734896 T 20080331; US 53295208 A 20080331