

Title (en)
APPARATUS FOR FABRICATING SPRAY HEADS FOR FLUID PRODUCTS

Title (de)
VORRICHTUNG ZUR FABRIKATION EINES SPRÜHKOPFES FÜR FLUIDPRODUKTE

Title (fr)
MACHINE DE FABRICATION D'UNE TETE DE PULVERISATION DE PRODUIT FLUIDE

Publication
EP 1660236 A1 20060531 (FR)

Application
EP 04767787 A 20040727

Priority
• FR 2004002005 W 20040727
• FR 0309628 A 20030804

Abstract (en)
[origin: FR2858567A1] Atomising head has a spray channel with an atomising orifice (1) and an atomising profile (10) made in the wall of the spray channel base with non-radial channels (11) leading to a central chamber (12) directly upstream of the orifice. The central axis (X) of the atomising orifice is offset relative to the central axis (Y) of the atomising chamber by less than 0.12 mm, and preferably less than 0.08 mm. Atomising head has a spray channel with an atomising orifice (1) and an atomising profile (10) made in the wall of the spray channel base with non-radial channels (11) leading to a central chamber (12) directly upstream of the orifice. The central axis (X) of the atomising orifice is offset relative to the central axis (Y) of the atomising chamber by less than 0.12 mm, and preferably less than 0.08 mm. The atomising chamber has a diameter of 1 mm and the orifice a diameter of 0.3 mm. The head is moulded with the aid of a broach with an interchangeable die.

IPC 1-7
B05B 1/34

IPC 8 full level
B05B 1/34 (2006.01)

CPC (source: EP US)
B05B 1/3436 (2013.01 - EP US); **B05B 1/3494** (2013.01 - EP US); **Y10T 29/49401** (2015.01 - EP US); **Y10T 29/49432** (2015.01 - EP US); **Y10T 29/49433** (2015.01 - EP US)

Citation (search report)
See references of WO 2005018820A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
FR 2858567 A1 20050211; **FR 2858567 B1 20060303**; CN 100427216 C 20081022; CN 1849175 A 20061018; DE 602004026741 D1 20100602; EP 1660236 A1 20060531; EP 1660236 B1 20100421; JP 2007501113 A 20070125; JP 4740848 B2 20110803; US 2007267522 A1 20071122; US 2010102477 A1 20100429; US 2011061236 A1 20110317; US 8323020 B2 20121204; US 8769818 B2 20140708; WO 2005018820 A1 20050303

DOCDB simple family (application)
FR 0309628 A 20030804; CN 200480025739 A 20040727; DE 602004026741 T 20040727; EP 04767787 A 20040727; FR 2004002005 W 20040727; JP 2006522368 A 20040727; US 54920209 A 20090827; US 56585504 A 20040727; US 94993310 A 20101119