

Title (en)
SPRAY HEAD FOR LIQUID PRODUCT

Title (de)
SPRITZKOPF FÜR FLÜSSIGES PRODUKT

Title (fr)
TETE DE PULVERISATION DE PRODUIT FLUIDE

Publication
EP 1677916 B1 20120411 (FR)

Application
EP 04767788 A 20040727

Priority
• FR 2004002006 W 20040727
• FR 0309797 A 20030808

Abstract (en)
[origin: FR2858568A1] Atomiser head has a spray channel (5) with an atomising orifice and an atomising profile in the base of the channel wall with preferably non-radial channels leading to a central chamber. The channel contains an insert (20) to form the base of the atomising profile, with the central axis (X) of the insert virtually identical to the central axis (Y) of the spray channel or offset by no more than 0.03 mm. Atomiser head has a spray channel (5) with an atomising orifice and an atomising profile in the base of the channel wall with preferably non-radial channels leading to a central chamber. The channel contains an insert (20) to form the base of the atomising profile, with the central axis (X) of the insert virtually identical to the central axis (Y) of the spray channel or offset by no more than 0.03 mm. The spray channel has centering elements for the insert in the form of projections (30), preferably three in number, round an imaginary circle with the same diameter as the insert.

IPC 8 full level
B05B 1/34 (2006.01)

CPC (source: EP US)
B05B 1/3436 (2013.01 - EP US)

Citation (examination)
• WO 0054887 A1 20000921 - EMSAR INC [US]
• FR 2767311 A1 19990219 - VALOIS SA [FR]

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
FR 2858568 A1 20050211; FR 2858568 B1 20060915; CN 1832808 A 20060913; CN 1832808 B 20110105; EP 1677916 A2 20060712; EP 1677916 B1 20120411; JP 2007501700 A 20070201; JP 4809224 B2 20111109; US 2006249598 A1 20061109; US 8196847 B2 20120612; WO 2005018812 A2 20050303; WO 2005018812 A3 20050602

DOCDB simple family (application)
FR 0309797 A 20030808; CN 200480022774 A 20040727; EP 04767788 A 20040727; FR 2004002006 W 20040727; JP 2006523027 A 20040727; US 56670804 A 20040727