

Title (en)
NOZZLE FOR SPRAYING A FLUID OR A PASTE WITH CONTROLLABLE SLIT

Publication
EP 0133390 B1 19880302 (FR)

Application
EP 84401432 A 19840705

Priority
FR 8311425 A 19830708

Abstract (en)
[origin: US4597529A] A self-regulating spray nozzle is provided which includes a chamber for receiving both product to be sprayed and a driving fluid. A moveable component is provided for selectively varying the cross-sectional area of an opening provided in an output passage from the chamber in response to pressure developed within the interior of the chamber. A mechanical counter-force is exerted on the moveable component to tend to close the output passage opening of the chamber against the force of the pressure developed in the chamber, and which at least partially overcomes the force of the pressure developed within the interior of the chamber to thereby maintain the pressure drop through the output passage opening substantially constant.

IPC 1-7
F23D 11/10; **B05B 7/00**; **B05B 15/02**

IPC 8 full level
B05B 1/26 (2006.01); **B05B 7/00** (2006.01); **B05B 7/04** (2006.01); **B05B 7/10** (2006.01); **B05B 15/02** (2006.01); **B05B 15/50** (2018.01); **F23D 11/10** (2006.01)

CPC (source: EP US)
B05B 1/26 (2013.01 - EP US); **B05B 7/00** (2013.01 - EP US); **B05B 7/0466** (2013.01 - EP US); **B05B 7/10** (2013.01 - EP US); **B05B 15/50** (2018.01 - EP US); **F23D 11/103** (2013.01 - EP US)

Cited by
ES2060486A2

Designated contracting state (EPC)
AT BE CH DE GB IT LI LU NL SE

DOCDB simple family (publication)
US 4597529 A 19860701; AT E32782 T1 19880315; BR 8403377 A 19850618; CA 1257144 A 19890711; DE 3469588 D1 19880407; DK 334584 A 19850109; DK 334584 D0 19840706; EP 0133390 A1 19850220; EP 0133390 B1 19880302; FR 2548553 A1 19850111; FR 2548553 B1 19861205; JP S6038052 A 19850227; ZA 845037 B 19850227

DOCDB simple family (application)
US 62885184 A 19840709; AT 84401432 T 19840705; BR 8403377 A 19840706; CA 458320 A 19840706; DE 3469588 T 19840705; DK 334584 A 19840706; EP 84401432 A 19840705; FR 8311425 A 19830708; JP 13920584 A 19840706; ZA 845037 A 19840702