

Title (en)
APPLICATOR DEVICE FOR A VISCOUS LIQUID

Publication
EP 0193085 A3 19871209 (DE)

Application
EP 86102103 A 19860218

Priority
DE 3506135 A 19850222

Abstract (en)
[origin: EP0193085A2] Applicator device for applying a viscous liquid, for example an adhesive, a sealing compound or a plastic compound, in which the viscous liquid can be pressed out via the outlet cross-section of a nozzle arrangement, whose outlet cross-section is formed by an adjustment piston (61) and a mating piece (66) which interacts with the latter and has a bore which receives the adjustment piston, at least one nozzle groove (65) which varies in cross-section in its longitudinal direction being present in the adjustment piston or in the mating piece, which groove forms with the mating piece an outlet cross-section, for the viscous liquid, whose size can be varied by adjusting the adjustment piston. According to the invention, the adjustment piston is arranged rotatably in the bore of the mating piece and the nozzle groove extends perpendicular to the longitudinal axis of the adjustment piston. The nozzle groove communicates with an inlet line (64), arranged in the mating piece (66), and an outlet line (63), the connection points of these lines (64, 63) to the nozzle groove in the circumferential direction of the adjustment piston being offset with respect to one another. By means of the design according to the invention, deposits in the flow path of the applicator device are thus avoided and easy and precise adjustability, which is required for control purposes, is achieved (Figure 2b). <IMAGE>

IPC 1-7
B05C 5/02; **B05C 11/10**

IPC 8 full level
B05C 5/00 (2006.01); **B05C 5/02** (2006.01)

CPC (source: EP)
B05C 5/00 (2013.01); **B05C 5/02** (2013.01); **B05C 5/0225** (2013.01); **B05C 5/0233** (2013.01)

Citation (search report)
[A] FR 2402136 A1 19790330 - GROHE ARMATUREN FRIEDRICH [DE]

Cited by
US6314771B1; WO2020006166A1; WO9836121A1

Designated contracting state (EPC)
DE FR GB IT SE

DOCDB simple family (publication)
EP 0193085 A2 19860903; **EP 0193085 A3 19871209**; DE 3506135 A1 19860828; DE 3506135 C2 19870423; JP S61227867 A 19861009

DOCDB simple family (application)
EP 86102103 A 19860218; DE 3506135 A 19850222; JP 3716286 A 19860221