

Title (en)
FLUID DISPENSER

Publication
EP 0289854 A3 19891206 (DE)

Application
EP 88106257 A 19880420

Priority
DE 3715300 A 19870508

Abstract (en)
[origin: EP0289854A2] In a dispenser (1) for liquids, a section (39), which can be shortened by compression and thus serves for opening an outlet valve (15), of a piston shaft (11) which is associated with a piston unit (9), is protected against expansion in the original position and over a starting part of the pump stroke by means of a narrow rib routing and released in a part of the stroke subsequent to this starting part in such a way that it can be suddenly compressed by the pressure of the medium acting on the pump piston (10), as a result of which the outlet valve (15) then opens. However, at the start of this compression the section (39) which can be shortened carries out an idle motion after which it entrains the valve closing part (30) of the outlet valve (15) for the purpose of opening. Additionally, the outlet valve (15) can also be mechanically opened by a stop (14) at the end of the pump stroke. As a result, a particularly rapid dispensing of the medium as well as a simple evacuation of the air in the thrust piston pump (2) is made possible. <IMAGE>

IPC 1-7
B05B 11/00

IPC 8 full level
B05B 11/00 (2006.01); **B65D 47/34** (2006.01); **G01F 11/04** (2006.01)

CPC (source: EP)
B05B 11/1026 (2023.01); **B05B 11/1061** (2023.01)

Citation (search report)

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- [A] EP 0201701 A2 19861120 - PFEIFFER ERICH GMBH & CO KG [DE]
- [AD] US 4117957 A 19781003 - DUFFEY GEORGE

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