

Title (en)  
FLUID DISPENSER

Publication  
**EP 0289855 B1 19920624 (DE)**

Application  
**EP 88106258 A 19880420**

Priority  
DE 3715301 A 19870508

Abstract (en)  
[origin: US5011046A] In a dispenser a manually operable thrust piston pump (2) has a presuction piston (11) located with a limited spacing within a pump piston (10) and which in the manner of a telescopic tube engages over a cylindrical, freely projecting chamber body (15) and consequently bounds a presuction chamber (17) constantly connected by a line to a container and whose length and volume are significantly greater than that of a pump chamber (20) surrounding presuction chamber (17). The two working pistons slideably guided on one another form valve closures of an outlet valve (23) controlled by pressure difference and which at the end of the pump travel and in addition to said control, can be mechanically opened by a dog (40) positionally variable by means of a compressible neck (29) for venting the pump chamber (14).

IPC 1-7  
**B05B 11/00**; **B65D 47/34**; **G01F 11/04**

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

CPC (source: EP US)  
**B05B 11/0097** (2013.01 - EP US); **B05B 11/1018** (2023.01 - EP US); **B05B 11/1019** (2023.01 - EP US)

Cited by  
FR2950256A1; CN116539818A; DE3929064A1; EP0342651A1; GB2286230A; GB2286230B; EP0430431A3; US4986453A; US5664706A; US5443185A; EP2000219A1; US5655688A; AU693834B2; US5284276A; US8056772B2

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

DOCDB simple family (publication)  
**EP 0289855 A2 19881109**; **EP 0289855 A3 19891206**; **EP 0289855 B1 19920624**; AT E77594 T1 19920715; DE 3715301 A1 19881124; DE 3872303 D1 19920730; US 5011046 A 19910430

DOCDB simple family (application)  
**EP 88106258 A 19880420**; AT 88106258 T 19880420; DE 3715301 A 19870508; DE 3872303 T 19880420; US 31608389 A 19890227