

Title (en)

Fluid dosing pump

Title (de)

Flüssigkeitsdosierpumpe

Title (fr)

Pompe doseuse de fluides

Publication

EP 0684383 B1 19970219 (DE)

Application

EP 95106393 A 19950428

Priority

DE 4418314 A 19940526

Abstract (en)

[origin: EP0684383A1] The dosing pump has a pump chamber with a volume which is enlarged during the suction stroke and reduced during the compression stroke, with a venting valve (17, 18) at the upper end of the pump chamber. The response characteristics of the venting valve are dependent on the aggregate characteristics of the dosed medium. The venting valve is preceded by a back-feed prevention valve (16, 18) in the flow direction from the pump chamber, the back-feed prevention valve normally held closed and only opened in response to the fluid flow from the pump chamber.

IPC 1-7

F04B 53/06

IPC 8 full level

F04B 13/00 (2006.01); **F04B 43/02** (2006.01); **F04B 53/06** (2006.01)

CPC (source: EP)

F04B 53/06 (2013.01)

Cited by

CN101865126A

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0684383 A1 19951129; EP 0684383 B1 19970219; AT E149057 T1 19970315; DE 4418314 C1 19960104; DE 59500111 D1 19970327; JP H07317665 A 19951205

DOCDB simple family (application)

EP 95106393 A 19950428; AT 95106393 T 19950428; DE 4418314 A 19940526; DE 59500111 T 19950428; JP 12241795 A 19950522