

Title (en)  
Dosing pump.

Title (de)  
Dosierpumpe.

Title (fr)  
Pompe de dosage.

Publication  
**EP 0342651 A1 19891123 (EN)**

Application  
**EP 89108879 A 19890517**

Priority  
FR 8806632 A 19880518

Abstract (en)  
A dosing pump comprising a pump housing (48) which has a cylindrical feed piece (120) extending into the housing (48), a first hollow piston (82) in the pump housing (48) provided with a stem (68) having an axial outlet channel (98) forming a valve seat (158), a second piston in the pump housing (48) which consists of two parts (150, 190), of which one part has a piston skirt (202) and, with the tubular feed piece (120), forms an inlet valve for the liquid flowing from the container into the pump chamber (80) and of which the other part has a rod (162) interacting with said valve seat (158) to form an outlet valve. The two parts (150, 190) of said second piston interact through a return spring (240) arranged between said second piston (190) and said housing (48). The individual part of the pump reliably expose a passage between container and pump chamber. The parts can be reliably and quickly produced by an injection moulding process for plastics and it is achieved a simple and quick assembly of the dosing pump for the purpose of industrial mass production.

IPC 1-7  
**B05B 11/00**

IPC 8 full level  
**B05B 11/00** (2006.01)

CPC (source: EP)  
**B05B 11/1018** (2023.01); **B05B 11/1019** (2023.01)

Citation (search report)  
[APD] EP 0289855 A2 19881109 - PFEIFFER ERICH GMBH & CO KG [DE]

Cited by  
DE4110304A1; EP1375010A3; FR2885963A1; US6056727A; DE4332869A1; CN115414856A; US5370280A; EP0663243A1; EP0530785A1; US5375745A; US5566865A; AU693834B2; US5794821A; US5664706A; US5261573A; DE10335842A1; DE10335842B4; DE10335842C5; GB2286230A; GB2286230B; EP0835820A1; EP2939750A1; US7335186B2; US7223090B2; US6605060B1; WO9640332A1; WO9742469A1; WO2005016551A1; US8534506B2

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

DOCDB simple family (publication)  
**EP 0342651 A1 19891123**; **EP 0342651 B1 19910403**; AT E62153 T1 19910415; DE 342651 T1 19900322; DE 68900054 D1 19910508; ES 2012023 A4 19900301; ES 2012023 B3 19911101; FR 2631564 A1 19891124; FR 2631564 B1 19900817; GR 900300084 T1 19910731

DOCDB simple family (application)  
**EP 89108879 A 19890517**; AT 89108879 T 19890517; DE 68900054 T 19890517; DE 89108879 T 19890517; ES 89108879 T 19890517; FR 8806632 A 19880518; GR 900300084 T 19910731