

Title (en)  
Fluid dispensing device

Title (de)  
Spender für Medien

Title (fr)  
Distributeur de fluide

Publication  
**EP 1116522 A2 20010718 (DE)**

Application  
**EP 01108798 A 19950921**

Priority  
• DE 4438375 A 19941027  
• EP 95114859 A 19950921

Abstract (en)  
The dispenser (1) has a base body (2) with a reservoir (4) and an axially connected support body (3). The reservoir is formed as a small bottle secured to the base body with a fixing component (26). An actuator (5) for dispensing has a piston plunger (19) and an actuator head (5). A hand-operated discharge pump (6) has a pump casing with a main casing (40). The discharge pump is connected to the support body, projects into the reservoir and is surrounded by an open cap end of a base cap (33,34). The actuator and the discharge pump have an output position and a spaced operated end position. The main casing of the discharge pump is fixed to the support body with a snap connection (37), which has a pump flange (39) that is in common with the pump casing and projects out of the main casing. The actuator has a handle (17) and the actuator head has at least one outer mantle (32,47) and an inner mantle (43), which forms a friction connection to engage the free end of the piston plunger. The actuator head is positively connected against movement from the output position by a pulling prevention (45), which has a securing cam (45) projecting over the head periphery. An inlet (7), pump chamber, outlet channel (53) and outlet (8) are provided to discharge medium. The inlet connects the pump chamber with the reservoir. The outlet channel connects the pump chamber with the outlet. The outlet channel and the outlet pass through the actuator head.

Abstract (de)  
Ein Spender (1) weist an einer Grundendkappe (33, 34) einen stromaufwärts und drei stromabwärts frei ausragende Grund-bzw. Kappenmäntel (33, 24, 36, 35) sowie an einem Betätigungskopf (50) drei stromaufwärts ausragende Kopfmäntel (32, 47, 43) auf, wobei benachbarte dieser Mäntel radial beabstandet ineinander liegend und die Austragpumpe (6) an dem Grundkörper (2) festsitzend mit einer Schnappverbindung (37) befestigt ist. Die Innenseite der Kappenstirnwand (34) der Grundkappe (33, 34) ist über eine eng am Außenumfang des Pumpengehäuses anliegende Ringscheibendichtung (41) verspannt am Hals eines Speichers (4) abgestützt, während der Betätigungskopf (50) mit einer Abzugssicherung (45) daran gehindert ist, versehentlich abgezogen zu werden. Dadurch wird bei hoher Funktionstüchtigkeit eine sehr kompakte Ausbildung des Spenders erzielt. <IMAGE>

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

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

CPC (source: EP US)  
**B05B 11/0005** (2013.01 - EP US); **B05B 11/0091** (2013.01 - EP); **B05B 11/1059** (2023.01 - EP US); **B05B 11/108** (2023.01 - EP US); **B05B 11/10** (2023.01 - EP US)

Citation (applicant)  
• EP 0472915 A2 19920304 - PFEIFFER ERICH GMBH & CO KG [DE]  
• EP 0472985 A2 19920304 - PFEIFFER ERICH GMBH & CO KG [DE]  
• EP 0472986 A2 19920304 - PFEIFFER ERICH GMBH & CO KG [DE]  
• EP 0477562 A2 19920401 - PFEIFFER ERICH GMBH & CO KG [DE]  
• EP 0114617 A2 19840801 - PFEIFFER ERICH GMBH & CO KG [DE]

Cited by  
IT201600123591A1; CN110062666A; US7455248B2; WO2018104821A1; US10751741B2

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