

Title (en)  
DISPENSER FOR FLUIDS

Title (de)  
SPENDER FÜR FLIESSFÄHIGE MEDIEN

Title (fr)  
DISTRIBUTEUR DE PRODUITS FLUIDES

Publication  
**EP 0792192 B1 20030820 (DE)**

Application  
**EP 95939254 A 19951110**

Priority  
• DE 4441263 A 19941119  
• EP 9504426 W 19951110

Abstract (en)  
[origin: US6073814A] PCT No. PCT/EP95/04426 Sec. 371 Date Apr. 11, 1996 Sec. 102(e) Date Apr. 11, 1996 PCT Filed Nov. 10, 1995 PCT Pub. No. WO96/15855 PCT Pub. Date May 30, 1996A discharge apparatus (1) comprises within the pump housing (2) an integral full-length working member (10) having spring sections (28, 29, 30) and sections located between these which form a valve housing (18), fastening members for connecting to a piston (12) and the like. The spring section in each case may be configured as a helical or torsion spring having a closed spring jacket, thus resulting in simple manufacture and simple assembly with high functional reliability.

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

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

CPC (source: EP KR US)  
**B05B 11/00** (2013.01 - KR); **B05B 11/1018** (2023.01 - EP US); **B05B 11/1077** (2023.01 - EP)

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AT CH DE ES FR GB IE IT LI SE

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**US 6073814 A 20000613**; AT E247526 T1 20030915; AU 4115596 A 19960617; AU 703646 B2 19990325; BR 9510339 A 19990831; DE 4441263 A1 19960523; DE 59510772 D1 20030925; EP 0792192 A1 19970903; EP 0792192 B1 20030820; ES 2203648 T3 20040416; JP 3935204 B2 20070620; JP H10513101 A 19981215; KR 100327289 B1 20020417; KR 970706908 A 19971201; WO 9615855 A1 19960530

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