

Title (en)
DUAL LIQUID CARTRIDGE DISPENSER.

Title (de)
VERABREICHUNGSVORRICHTUNG DOPPELTER FLÜSSIGKEITSPATRONEN.

Title (fr)
DISTRIBUTEUR DE DOUBLES RECHARGES DE LIQUIDE.

Publication
EP 0336953 A4 19900308 (EN)

Application
EP 88909437 A 19881013

Priority
US 11015187 A 19871019

Abstract (en)
[origin: WO8903803A1] The problem with single cartridge dispensers is that when a maintenance person looks at the liquid level of the cartridge, the fluid may be only slightly above the level indicator window with the result that the cartridge would be completely used up before the maintenance person returns to service the dispenser. Thus, it would be desirable to have two cartridges so that the user can completely exhaust one cartridge and then begin dispensing from the second cartridge. The device (10) employs two cartridges (11a,11b) each having a compressible dispensing pump (25a, 25b). A movable compression member (52) is slidable to a first position adjacent the pump (25b) of a first cartridge (11b) or to a second position adjacent the pump (25a) of the second cartridge (11a) so that fluid from only one cartridge may be dispensed at a time.

IPC 1-7
B65D 37/00; **B67D 5/60**

IPC 8 full level
A47K 5/12 (2006.01); **B65D 37/00** (2006.01); **B67D 7/78** (2010.01)

CPC (source: EP)
A47K 5/1215 (2013.01)

Citation (search report)

- [A] EP 0114569 A1 19840801 - CWS AG [CH]
- See references of WO 8903803A1

Cited by
US9180474B2; US8887964B2; WO2012125089A1; WO2012125090A1

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

DOCDB simple family (publication)
WO 8903803 A1 19890505; AT E93212 T1 19930915; AU 2605788 A 19890523; AU 603018 B2 19901101; BR 8805416 A 19890620; CA 1327187 C 19940222; DE 3883373 D1 19930923; DE 3883373 T2 19931209; DK 136489 A 19890505; DK 136489 D0 19890321; DK 164634 B 19920727; EP 0336953 A1 19891018; EP 0336953 A4 19900308; EP 0336953 B1 19930818; ES 2011157 A6 19891216; FI 892477 A0 19890522; FI 892477 A 19890522; HK 1007728 A1 19990423; IE 61509 B1 19941116; IE 883117 L 19890419; JP 2590249 B2 19970312; JP H02501628 A 19900607; MX 170602 B 19930901; MY 103430 A 19930630; NO 168685 B 19911216; NO 168685 C 19920325; NO 892291 D0 19890605; NO 892291 L 19890605; NZ 226618 A 19900426; PT 88786 A 19890731; PT 88786 B 19940630

DOCDB simple family (application)
US 8803493 W 19881013; AT 88909437 T 19881013; AU 2605788 A 19881013; BR 8805416 A 19881019; CA 580450 A 19881018; DE 3883373 T 19881013; DK 136489 A 19890321; EP 88909437 A 19881013; ES 8803160 A 19881018; FI 892477 A 19890522; HK 98107017 A 19980626; IE 311788 A 19881014; JP 50870588 A 19881013; MX 1348188 A 19881019; MY PI19881179 A 19881018; NO 892291 A 19890605; NZ 2266188 A 19881019; PT 8878688 A 19881018