

Title (en)
IMPROVED PUMP FOR DISPENSING FLUID PRODUCT,AND FLUID PRODUCT DISPENSING DEVICE COMPRISING SAME

Title (de)
VERBESSERTE FLÜSSIGKEITSABGABEPUMPE UND FLÜSSIGKEITSABGABEVORRICHTUNG MIT EINER SOLCHEN PUMPE

Title (fr)
POMPE DE DISTRIBUTION DE PRODUIT FLUIDE AMELIOREE, ET DISPOSITIF DE DISTRIBUTION DE PRODUIT FLUIDE COMPORTANT UNE TELLE POMPE

Publication
EP 1216104 A1 20020626 (FR)

Application
EP 00960826 A 20000907

Priority

- FR 0002475 W 20000907
- FR 9911262 A 19990909

Abstract (en)
[origin: FR2798368A1] The invention concerns a fluid product dispensing pump comprising a pump body (10), a piston (20) sealingly sliding in said pump body (10) between a neutral position and a dispensing position, the upper edge (11) of the pump body (10) being fixed in a fixing ring (5) for assembling said pump on a tank (1), an annular sealing joint (100, 200) being arranged between said pump body (10) and said fixing ring (5), said pump further comprising a ventilating air passage (80) between the tank and the ambient atmosphere. The invention is characterised in that an element filtering and/or treating the ventilating air (100) is provided in said ventilating air passage (80), said filtering element (100) being arranged between said upper edge (11) of the pump body and said fixing ring (5).

IPC 1-7
B05B 11/00

IPC 8 full level
B67D 1/10 (2006.01); **B05B 11/00** (2006.01); **B67D 7/76** (2010.01); **F04B 9/14** (2006.01); **F04B 53/20** (2006.01)

CPC (source: EP US)
B05B 11/0044 (2018.07 - EP US); **B05B 11/00442** (2018.07 - EP US); **B05B 11/00444** (2018.07 - EP US); **B05B 11/1047** (2023.01 - EP US); **B05B 11/0039** (2018.07 - US); **B05B 11/1018** (2023.01 - EP US)

Citation (search report)
See references of WO 0117690A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
FR 2798368 A1 20010316; **FR 2798368 B1 20011123**; CN 1213814 C 20050810; CN 1373692 A 20021009; DE 60010488 D1 20040609; DE 60010488 T2 20050512; EP 1216104 A1 20020626; EP 1216104 B1 20040506; JP 2003518216 A 20030603; JP 4778652 B2 20110921; US 7040511 B1 20060509; WO 0117690 A1 20010315

DOCDB simple family (application)
FR 9911262 A 19990909; CN 00812630 A 20000907; DE 60010488 T 20000907; EP 00960826 A 20000907; FR 0002475 W 20000907; JP 2001521469 A 20000907; US 7064102 A 20020819