

Title (en)
LIQUID DISPENSER WITH A DEVICE FOR AERATION

Title (de)
FLÜSSIGKEITSSPENDER MIT BELÜFTUNG

Title (fr)
DISTRIBUTEUR DE PRODUIT LIQUIDE AVEC UN REPRISE D'AIR

Publication
EP 1289671 B1 20091014 (FR)

Application
EP 01945428 A 20010614

Priority
• FR 0101847 W 20010614
• FR 0007683 A 20000616

Abstract (en)
[origin: US2003150881A1] The invention relates to an air-intake device for drawing air into a liquid dispenser equipped with a rigid reservoir (R) and with an atmospheric pump (P) provided, in particular, with a cylindrical and conical body (C) and with a support flange (S) fixed to the neck of the reservoir (R) while bearing against a sealing gasket surrounding the pump body, said device being characterized in that it comprises a flat annular gasket-forming washer (1) whose free edge (10) is in leaktight abutment towards the outside under a frustoconical shoulder (20) carried by a collar (2) engaged over said pump body, and is capable of being deformed elastically under the effect of internal suction to enable air to be drawn in.

IPC 8 full level
B05B 11/00 (2006.01); **B65D 83/76** (2006.01); **B65D 47/34** (2006.01)

CPC (source: EP US)
B05B 11/00442 (2018.07 - EP US)

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

DOCDB simple family (publication)
US 2003150881 A1 20030814; US 6666357 B2 20031223; AT E445466 T1 20091015; AU 6765201 A 20011224; BR 0111766 A 20030708; BR 0111766 B1 20100921; CA 2412785 A1 20021213; CN 1210111 C 20050713; CN 1436103 A 20030813; DE 60140187 D1 20091126; EP 1289671 A1 20030312; EP 1289671 B1 20091014; ES 2334979 T3 20100318; FR 2810302 A1 20011221; FR 2810302 B1 20021213; HK 1058329 A1 20040514; JP 2004503364 A 20040205; MX PA02012268 A 20040906; WO 0196031 A1 20011220

DOCDB simple family (application)
US 29761202 A 20021216; AT 01945428 T 20010614; AU 6765201 A 20010614; BR 0111766 A 20010614; CA 2412785 A 20010614; CN 01811171 A 20010614; DE 60140187 T 20010614; EP 01945428 A 20010614; ES 01945428 T 20010614; FR 0007683 A 20000616; FR 0101847 W 20010614; HK 04100836 A 20040207; JP 2002510203 A 20010614; MX PA02012268 A 20010614