

Title (en)
Drawback check valve

Title (de)
Rückzug-Sperrventil

Title (fr)
Clapet anti-retour avec rappel

Publication
EP 2676737 A1 20131225 (EN)

Application
EP 13172419 A 20130618

Priority
• CA 2780503 A 20120619
• CA 2808550 A 20130308

Abstract (en)
A valve for a pump arrangement which serves on one hand as a one-way outlet valve subject to functioning, after fluid has been dispensed, of drawing back some fluid which has been dispensed.

IPC 8 full level
B05B 11/00 (2006.01); **A47K 5/12** (2006.01)

CPC (source: EP)
A47K 5/1205 (2013.01); **B05B 11/007** (2013.01); **B05B 11/1001** (2023.01); **B05B 11/1097** (2023.01)

Citation (applicant)
• US 8070844 B2 20111206 - MAGUIRE STEPHEN B [US]
• US 5165577 A 19921124 - OPHARDT HEINER [CA]
• US 5282552 A 19940201 - OPHARDT HEINER [CA]
• US 5676277 A 19971014 - OPHARDT HEINER [CA]
• US 5975360 A 19991102 - OPHARDT HEINER [CA]
• US 7267251 B2 20070911 - OPHARDT HEINER [CA]
• US 2008112830 A1 20080515 - OPHARDT HEINER [CA], et al

Citation (search report)
• [X] WO 9748322 A1 19971224 - MINNESOTA MINING & MFG [US]
• [X] JP S62129168 A 19870611 - TOKUSHU AEROSOL KK
• [X] EP 2446971 A1 20120502 - GOTOHTI COM INC [CA]
• [X] US 6557736 B1 20030506 - OPHARDT HEINER [CA]

Cited by
WO2015048698A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2676737 A1 20131225; EP 2676737 B1 20190227; CA 2808550 A1 20131219; CA 2808550 C 20210720

DOCDB simple family (application)
EP 13172419 A 20130618; CA 2808550 A 20130308