

Title (en)
CHECK VALVE

Title (de)
RÜCKSCHLAGVENTIL

Title (fr)
VALVE ANTI RETOUR

Publication
EP 3352915 A1 20180801 (FR)

Application
EP 16795111 A 20160922

Priority
• FR 1558944 A 20150922
• FR 1560099 A 20151022
• FR 2016000147 W 20160922

Abstract (en)
[origin: WO2017051086A1] The present invention relates to a pump (1) made up of a deformable tube (6) having an inlet orifice (61) closed off by an inlet valve, an outlet orifice (62) and an outlet valve. According to the invention, the pump comprises the following: - the inlet valve is made up of a support wall (23) and an inlet flap (7), said inlet flap has a flexible and deformable peripheral region (70) that is not perforated and is located opposite the support wall (23), - the support wall (23) is perforated by at least one orifice (24) situated opposite the peripheral region (70), the inlet flap (7) is connected to the support wall (23) by a non-deformable fixed connection, - the peripheral region (70) has a substantially conical shape before assembly with a large base and a small base and an inner face on the inner side of the cone, said peripheral region (70) exhibits a deformation after the inner face of the large base has been pressed against the support face (23) in the assembled position.

IPC 8 full level
B05B 11/00 (2006.01)

CPC (source: EP US)
B05B 11/007 (2013.01 - EP US); **B05B 11/0072** (2013.01 - EP US); **B05B 11/0075** (2013.01 - EP US); **B05B 11/1001** (2023.01 - EP US); **B05B 11/1069** (2023.01 - EP US); **B05B 11/1074** (2023.01 - EP US); **B65D 47/2031** (2013.01 - EP US)

Citation (search report)
See references of WO 2017051086A1

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)
FR 3041409 A1 20170324; CN 109070115 A 20181221; CN 109070115 B 20211029; EP 3352912 A1 20180801; EP 3352912 B1 20200513; EP 3352915 A1 20180801; EP 3352915 B1 20200520; FR 3041412 A1 20170324; FR 3041412 B1 20180420; US 10569285 B2 20200225; US 2019076862 A1 20190314; WO 2017051086 A1 20170330; WO 2017051125 A1 20170330

DOCDB simple family (application)
FR 1558944 A 20150922; CN 201680067765 A 20160922; EP 16785208 A 20160922; EP 16795111 A 20160922; FR 1560099 A 20151022; FR 2016000147 W 20160922; FR 2016052406 W 20160922; US 201615762549 A 20160922