

Title (en)
SUCTION JET PUMP

Title (de)
SAUGSTRAHLPUMPE

Title (fr)
POMPE A JET ASPIRANT

Publication
EP 2029884 A1 20090304 (DE)

Application
EP 07729384 A 20070522

Priority
• EP 2007054945 W 20070522
• DE 102006024456 A 20060524

Abstract (en)
[origin: WO2007135149A1] The invention relates to a suction jet pump (8), consisting of a driving jet nozzle (10), a mixing tube (11), an intake opening (12), a working-fluid line (7) connected to the driving jet nozzle (10), and a valve (9) which is arranged with the working-fluid line (7) and whose housing (13) has an inlet (14) and an outlet (15). A throughflow opening (17) with a valve body (18) on both sides of the throughflow opening (17) is arranged in the housing (13) in such a way that the throughflow opening (17) can be closed on both the inlet side and the outlet side, and that at least one spring (25, 27, 28) is arranged inside the housing (13) in such a way that it holds the valve body (18) in a position closing the throughflow opening (17) on the outlet side until the system pressure is reached.

IPC 8 full level
F02M 37/00 (2006.01); **F02M 37/02** (2006.01); **F04F 5/10** (2006.01); **F04F 5/48** (2006.01)

CPC (source: EP US)
F02M 37/0023 (2013.01 - EP US); **F04F 5/10** (2013.01 - EP US); **F04F 5/48** (2013.01 - EP US); **F02M 37/0058** (2013.01 - EP US); **F02M 37/0094** (2013.01 - EP US); **F02M 37/025** (2013.01 - EP US)

Citation (search report)
See references of WO 2007135149A1

Designated contracting state (EPC)
DE ES FR GB IT

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
DE 102006024456 A1 20071129; BR PI0712266 A2 20120117; BR PI0712266 B1 20190409; BR PI0712266 B8 20230117; CN 101454562 A 20090610; CN 101454562 B 20120620; DE 502007001750 D1 20091126; EP 2029884 A1 20090304; EP 2029884 B1 20091014; JP 2009537744 A 20091029; JP 4637264 B2 20110223; US 2009252618 A1 20091008; WO 2007135149 A1 20071129

DOCDB simple family (application)
DE 102006024456 A 20060524; BR PI0712266 A 20070522; CN 200780019037 A 20070522; DE 502007001750 T 20070522; EP 07729384 A 20070522; EP 2007054945 W 20070522; JP 2009511509 A 20070522; US 22766507 A 20070522