

Title (en)
CONTROLLABLE COOLANT PUMP

Title (de)
REGELBARE KÜHLMITTELPUMPE

Title (fr)
POMPE DE REFROIDISSEMENT RÉGLABLE

Publication
EP 2783087 A1 20141001 (DE)

Application
EP 12766375 A 20120817

Priority
• DE 102011113040 A 20110909
• DE 2012000846 W 20120817

Abstract (en)
[origin: DE102011113040B3] The pump has a flow outlet opening (16) from which an uncontrollable outlet volume flow emerges, directly connected with an outlet connection (20) by an outlet channel (19) in a pump housing (1). The outlet opening from which controllable outlet volume flow emerges, is connected with an outflow opening (22) by an outflow channel (21). The outflow opening is arranged in a region of a rear wall (12) of a valve disk (13) in a pump chamber rear wall (7), and enclosed by a ring seal (23). The seal is arranged in the chamber rear wall and actively connected with the disk in a rear end position.

IPC 8 full level
F01P 7/16 (2006.01)

CPC (source: EP US)
F01P 7/161 (2013.01 - EP US); **F04D 13/14** (2013.01 - US); **F04D 15/0022** (2013.01 - US); **F04D 15/0038** (2013.01 - EP US); **F01P 2007/146** (2013.01 - EP US); **F05D 2270/64** (2013.01 - EP US)

Citation (search report)
See references of WO 2013034126A1

Cited by
DE102017206939A1

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

DOCDB simple family (publication)
DE 102011113040 B3 20120426; BR 112014005412 A2 20170404; CN 103946506 A 20140723; CN 103946506 B 20170329; EP 2783087 A1 20141001; EP 2783087 B1 20161012; US 2014212267 A1 20140731; US 9528521 B2 20161227; WO 2013034126 A1 20130314

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DE 102011113040 A 20110909; BR 112014005412 A 20120817; CN 201280043767 A 20120817; DE 2012000846 W 20120817; EP 12766375 A 20120817; US 201214342474 A 20120817