

Title (en)

Device for a pump and water pump

Title (de)

Vorrichtung für eine Pumpe sowie Wasserpumpe

Title (fr)

Dispositif pour une pompe et pompe à eau

Publication

**EP 2354552 A3 20160127 (DE)**

Application

**EP 11000402 A 20110120**

Priority

DE 102010005936 A 20100126

Abstract (en)

[origin: EP2354552A2] The device has a pump wheel (2), and a switchable coupling arrangement for switchable connection of the pump wheel with a drive side. The pump wheel is rotatably supported on a rotatable drive shaft (1). An electromagnetic coil i.e. electromagnet (8), acts on a magnetically conductive anchor element (7). A contact unit e.g. engagement portion (6) and wedge element, is designed for force-fit and/or a form-fit connection with a contact portion (2a) at the pump wheel rotated on the drive shaft. The contact portion is brought at the wheel by a compression spring.

IPC 8 full level

**F04D 13/02** (2006.01); **F01P 5/12** (2006.01); **F01P 7/16** (2006.01); **F04D 15/00** (2006.01); **F04D 29/20** (2006.01); **H02K 49/10** (2006.01)

CPC (source: EP US)

**F01P 5/12** (2013.01 - EP US); **F04D 13/021** (2013.01 - EP); **F04D 13/026** (2013.01 - US); **F04D 13/027** (2013.01 - US); **F04D 15/0027** (2013.01 - EP US); **F04D 29/20** (2013.01 - EP US); **F04D 13/026** (2013.01 - EP); **F04D 13/027** (2013.01 - EP)

Citation (search report)

- [X] DE 102006039680 A1 20080228 - AUDI AG [DE]
- [X] DE 19752372 A1 19990527 - BEEZ GUENTHER DIPL ING [DE]
- [XA] DE 102006048482 A1 20080417 - BEHR GMBH & CO KG [DE]
- [X] DE 102008039700 A1 20090312 - TCG UNITECH SYSTEMTECHNIK GMBH [AT]
- [XA] GB 2404220 A 20050126 - VISTEON GLOBAL TECH INC [US]
- [X] DE 10142263 C1 20021024 - BEEZ GUENTHER [DE]

Cited by

WO2016179619A1

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 2354552 A2 20110810; EP 2354552 A3 20160127**; DE 102010005936 A1 20110728; US 2011182757 A1 20110728

DOCDB simple family (application)

**EP 11000402 A 20110120**; DE 102010005936 A 20100126; US 201113010946 A 20110121