

Title (en)

VARIABLE OUTPUT CENTRIFUGAL PUMP

Title (de)

KREISELPUMPE MIT VARIABLER AUSGANGSLEISTUNG

Title (fr)

POMPE CENTRIFUGE À SORTIE VARIABLE

Publication

EP 3042083 A4 20170510 (EN)

Application

EP 14841755 A 20140904

Priority

- US 201361873929 P 20130905
- US 2014054026 W 20140904

Abstract (en)

[origin: WO2015035006A2] A variable output pump assembly includes an input drive member and a primary pump member operatively driven thereby. A second drive member supplements the pump assembly. A magnetic coupling is interposed between the input drive member and the second drive member to variably drive the pump assembly.

IPC 8 full level

F04D 13/02 (2006.01); **F04D 17/08** (2006.01); **F04D 29/058** (2006.01)

CPC (source: EP US)

F04B 49/20 (2013.01 - EP US); **F04D 1/06** (2013.01 - EP US); **F04D 13/024** (2013.01 - EP US); **F04D 13/028** (2013.01 - EP US); **F04D 13/06** (2013.01 - US); **F04D 15/0066** (2013.01 - EP US)

Citation (search report)

- [XA] US 2008232975 A1 20080925 - HANAI SHUICHI [JP], et al
- [XA] US 6007303 A 19991228 - SCHMIDT EUGEN [DE]
- [XAYI] JP 2005024004 A 20050127 - ISUZU MOTORS LTD
- [IAY] EP 1557543 A2 20050727 - HONDA MOTOR CO LTD [JP]
- [YA] US 2007134111 A1 20070614 - EYBERGEN WILLIAM N [CA], et al
- [A] FR 1181043 A 19590611 - SNECMA
- See references of WO 2015035006A2

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)

WO 2015035006 A2 20150312; WO 2015035006 A3 20150528; EP 3042083 A2 20160713; EP 3042083 A4 20170510; US 2016222968 A1 20160804

DOCDB simple family (application)

US 2014054026 W 20140904; EP 14841755 A 20140904; US 201414917211 A 20140904