

Title (en)  
ELECTRIC OIL PUMP DEVICE

Title (de)  
ELEKTRISCHE ÖLPUMPENVORRICHTUNG

Title (fr)  
DISPOSITIF DE POMPE À HUILE ÉLECTRIQUE

Publication  
**EP 3480463 A4 20190508 (EN)**

Application  
**EP 17830796 A 20170628**

Priority  
• JP 2016144257 A 20160722  
• JP 2017023680 W 20170628

Abstract (en)  
[origin: EP3480463A1] An electric oil pump device (10) includes an electric oil pump (10) driven by a motor (11) and a microcomputer (30) that adjusts a control parameter (Kp, Ki, Kd) of feedback control related to a motor current value (Im) or a motor rotation speed (N) based on an oil temperature (Te) estimated based on a relationship between at least one of a hydraulic pressure, the motor current value, or a torque of the electric oil pump (10) and at least one of an oil discharge amount or the motor rotation speed of the electric oil pump.

IPC 8 full level  
**F04B 49/06** (2006.01); **F04B 17/03** (2006.01); **F04B 49/02** (2006.01)

CPC (source: EP US)  
**F04B 17/03** (2013.01 - EP US); **F04B 49/02** (2013.01 - EP); **F04B 49/06** (2013.01 - EP US); **F04B 49/065** (2013.01 - EP US); **F04B 49/20** (2013.01 - US); **F04B 2201/0402** (2013.01 - US); **F04B 2201/1202** (2013.01 - US); **F04B 2203/0201** (2013.01 - EP US); **F04B 2203/0209** (2013.01 - EP US); **F04B 2205/05** (2013.01 - EP US); **F04B 2205/06** (2013.01 - US)

Citation (search report)  
• [YD] JP 2005016460 A 20050120 - AISIN SEIKI  
• [Y] EP 0999114 B1 20070314 - JTEKT CORP [JP]  
• [Y] EP 2428704 B1 20130904 - JATCO LTD [JP]  
• [A] EP 2610492 B1 20150902 - JTEKT CORP [JP]  
• See references of WO 2018016276A1

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 3480463 A1 20190508; EP 3480463 A4 20190508**; CN 109477479 A 20190315; JP 2018013209 A 20180125; US 2019234398 A1 20190801; WO 2018016276 A1 20180125

DOCDB simple family (application)  
**EP 17830796 A 20170628**; CN 201780045256 A 20170628; JP 2016144257 A 20160722; JP 2017023680 W 20170628; US 201716318831 A 20170628