

Title (en)  
POWER STEERING PUMP DRIVE

Title (de)  
LENKHELFPUMPENANTRIEB

Title (fr)  
DISPOSITIF DE COMMANDE D'UNE POMPE D'ASSISTANCE DE DIRECTION

Publication  
**EP 2176549 A1 20100421 (DE)**

Application  
**EP 08716245 A 20080305**

Priority  
• EP 2008001727 W 20080305  
• DE 102007037687 A 20070809

Abstract (en)  
[origin: WO2009018865A1] The invention relates to a power steering pump drive having a single- or double-stage condenser unit, said condenser unit comprising a housing, a piston, a cylinder, a piston rod, a drive shaft, and a cam shaft, said condenser unit further comprising a power steering pump having a housing and a piston. The housing of the power steering pump is flange-mounted to the housing of the condenser unit. The piston of the power steering pump is in a drive connection with the cam shaft of the condenser unit. The invention is characterized by the following features: the power steering pump is disposed on the side of the cam shaft opposite the piston of the condenser unit; the drive connection between the cam shaft and the drive shaft of the power steering pump comprises a geared drive; the geared drive is encompassed by the housing of the condenser unit.

IPC 8 full level  
**F04B 23/06** (2006.01)

CPC (source: EP US)  
**F04B 17/05** (2013.01 - EP US); **F04B 23/06** (2013.01 - EP US); **F04B 25/005** (2013.01 - EP US); **F04B 35/002** (2013.01 - EP US); **F04B 39/121** (2013.01 - EP US); **F04B 41/06** (2013.01 - EP US); **F04B 53/16** (2013.01 - EP US)

Citation (search report)  
See references of WO 2009018865A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**DE 102007037687 B3 20080925**; BR PI0815123 A2 20150825; CN 101784793 A 20100721; CN 101784793 B 20120704; EP 2176549 A1 20100421; EP 2176549 B1 20130626; KR 20100039406 A 20100415; US 2011127103 A1 20110602; WO 2009018865 A1 20090212

DOCDB simple family (application)  
**DE 102007037687 A 20070809**; BR PI0815123 A 20080305; CN 200880102573 A 20080305; EP 08716245 A 20080305; EP 2008001727 W 20080305; KR 20107003164 A 20080305; US 67237408 A 20080305