

Title (en)

PUMP ARRANGEMENT

Title (de)

PUMPENANORDNUNG

Title (fr)

SYSTEME DE POMPES

Publication

**EP 1943423 A1 20080716 (DE)**

Application

**EP 06805431 A 20061017**

Priority

- DE 2006001823 W 20061017
- DE 102005051463 A 20051027

Abstract (en)

[origin: WO2007048380A1] The invention relates to a pump arrangement, in particular for lubricating oil pumps for internal combustion engines, having at least two pump devices which are arranged on a common driveshaft but can feed independently of one another, wherein the first pump is always connected to the driveshaft so as to be driven in rotation, and wherein the second pump (1) can be connected to the shaft (2) or to the rotor of the first pump by means of a rotary drive connection (12) which can be actuated as a function of temperature.

IPC 8 full level

**F04C 11/00** (2006.01); **F01M 1/02** (2006.01); **F04C 2/18** (2006.01); **F04C 14/02** (2006.01); **F04C 14/06** (2006.01); **F04C 15/00** (2006.01)

CPC (source: EP)

**F04C 11/001** (2013.01); **F04C 14/02** (2013.01); **F04C 14/06** (2013.01); **F04C 15/0073** (2013.01); **F01M 2001/0207** (2013.01);  
**F01M 2001/0238** (2013.01); **F01M 2001/0253** (2013.01); **F04C 2/18** (2013.01); **F04C 2270/19** (2013.01); **F04C 2270/56** (2013.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2007048380 A1 20070503**; AT E556223 T1 20120515; DE 112006002561 A5 20080703; EP 1943423 A1 20080716;  
EP 1943423 B1 20120502

DOCDB simple family (application)

**DE 2006001823 W 20061017**; AT 06805431 T 20061017; DE 112006002561 T 20061017; EP 06805431 A 20061017