

Title (en)  
Radial piston pump

Title (de)  
Radialkolbenpumpe

Title (fr)  
Pompe à pistons radiaux

Publication  
**EP 1619387 A3 20070404 (DE)**

Application  
**EP 05104012 A 20050513**

Priority  
DE 102004035251 A 20040721

Abstract (en)  
[origin: EP1619387A2] The pump has a pump housing (1) containing a first crank cavity (2) in which a drive shaft (3) can turn. The shaft is driven by a crankshaft (5) in a second crank cavity (4) of an engine. The shaft seal (6) consists of at least one shaft sealing ring (7) and a roller bearing (9) with a sealing disk (8). The ring and a bearing are spaced apart on the drive shaft.

IPC 8 full level  
**F04B 1/04** (2006.01); **F02M 59/44** (2006.01); **F04B 17/05** (2006.01)

CPC (source: EP)  
**F04B 1/0448** (2013.01); **F04B 17/05** (2013.01); **F04B 49/10** (2013.01)

Citation (search report)

- [DA] DE 10300144 B3 20040519 - SIEMENS AG [DE]
- [A] DE 4305791 A1 19940901 - REXROTH MANNESMANN GMBH [DE]
- [A] DE 19635164 A1 19980305 - BOSCH GMBH ROBERT [DE]

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 MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR LV MK YU

DOCDB simple family (publication)  
**EP 1619387 A2 20060125; EP 1619387 A3 20070404; EP 1619387 B1 20080625**; DE 102004035251 A1 20060216;  
DE 102004035251 B4 20060614; DE 502005004499 D1 20080807

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**EP 05104012 A 20050513**; DE 102004035251 A 20040721; DE 502005004499 T 20050513