

Title (en)
Oscillating vane actuator

Title (de)
Schwenkmotor

Title (fr)
Vérin rotatif oscillant

Publication
EP 1953393 A3 20110420 (DE)

Application
EP 08001157 A 20080123

Priority
DE 102007005839 A 20070201

Abstract (en)
[origin: EP1953393A2] The assembly i.e. oscillating motor (1) has a cylinder with axially running ribs that are closed at one side by two covers (11). Vanes of a motor shaft and the ribs form individual working chambers (17) in cooperation with the cylinder, the covers and the shaft. A connection system pair-wisely connects the working chambers, which are connected with a fluid medium supply. A pressure compensation element (37) is formed by a compensation chamber, which is subdivided by a movable separating element (41). Sections (39a, 39b) of the compensation chamber are connected with the working chambers.

IPC 8 full level
F15B 15/12 (2006.01)

CPC (source: EP US)
F15B 15/12 (2013.01 - EP US)

Citation (search report)

- [XDAI] DE 102004039767 A1 20060309 - ZAHNRADFABRIK FRIEDRICHSHAFEN [DE]
- [A] US 6181034 B1 20010130 - REICHEL KLAUS [DE], et al
- [A] DE 10320456 A1 20041202 - HENSE SYSTEMTECHNIK GMBH & CO [DE]
- [A] DE 1179124 B 19641001 - DAIMLER BENZ AG

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)
EP 1953393 A2 20080806; EP 1953393 A3 20110420; EP 1953393 B1 20120808; DE 102007005839 A1 20080807;
US 2008185796 A1 20080807; US 7866253 B2 20110111

DOCDB simple family (application)
EP 08001157 A 20080123; DE 102007005839 A 20070201; US 1214308 A 20080131