

Title (en)

VALVE ARRANGEMENT FOR INTERNAL COMBUSTION ENGINE

Title (de)

VENTILVORRICHTUNG FÜR EINE VERBRENNUNGSKRAFTMASCHINE

Title (fr)

SYSTÈME DE VANNE POUR MOTEUR À COMBUSTION INTERNE

Publication

EP 2507498 B1 20130925 (DE)

Application

EP 10781694 A 20101123

Priority

- DE 102009056251 A 20091201
- EP 2010068019 W 20101123

Abstract (en)

[origin: WO2011067138A1] The invention relates to valve devices having a drive unit (16), a gearbox unit (26), an eccentric shaft (37) that can be driven by means of the gearbox unit (26), and a valve rod (68) that is displaceable in translation, to which a coupling element (66) is fastened, by means of which the displacement of the eccentric shaft (37) can be converted into a translational displacement of the valve rod (68). The gearbox unit for the known valve devices tends to become contaminated by blow-by gases. According to the invention, a cover (52) is disposed between the eccentric shaft (37) and the coupling element (66), separating the gearbox chamber (28) from the valve rod displacement chamber (54).

IPC 8 full level

F02M 25/07 (2006.01); **F16K 31/04** (2006.01); **F16K 41/00** (2006.01)

CPC (source: EP US)

F02M 26/54 (2016.02 - EP US); **F02M 26/67** (2016.02 - EP US)

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

DOCDB simple family (publication)

DE 102009056251 A1 20110609; **DE 102009056251 B4 20140109**; EP 2507498 A1 20121010; EP 2507498 B1 20130925; ES 2440772 T3 20140130; US 2012285411 A1 20121115; US 9016266 B2 20150428; WO 2011067138 A1 20110609

DOCDB simple family (application)

DE 102009056251 A 20091201; EP 10781694 A 20101123; EP 2010068019 W 20101123; ES 10781694 T 20101123; US 201013511373 A 20101123