

Title (en)

DEVICE FOR CONTROLLING AN EXHAUST VALVE OF AN INTERNAL COMBUSTION ENGINE

Title (de)

EINRICHTUNG ZUR ANSTEUERUNG EINES ABGASVENTILS EINER BRENNKRAFTMASCHINE

Title (fr)

DISPOSITIF DE COMMANDE D'UNE SOUPAPE D'ÉCHAPPEMENT D'UN MOTEUR À COMBUSTION INTERNE

Publication

EP 2569529 A1 20130320 (DE)

Application

EP 11719807 A 20110509

Priority

- DE 102010020115 A 20100510
- EP 2011057444 W 20110509

Abstract (en)

[origin: WO2011141436A1] The invention relates to a device for controlling an exhaust valve (3), provided with a crank mechanism (2) that can be driven by an actuator (1) and can be moved, when the exhaust valve (3) is in the closed end position, past a dead centre towards an abutment (12). In said position, the crank mechanism (2) is held without using any energy and can only be moved out of this position by the driving of the actuator (1). Forces introduced from the side of the exhaust valve (3) cannot move the crank mechanism (2).

IPC 8 full level

F02M 25/07 (2006.01)

CPC (source: EP KR)

F02B 37/186 (2013.01 - EP KR); **F02M 26/51** (2016.02 - EP KR); **F02M 26/54** (2016.02 - EP KR); **F02M 26/65** (2016.02 - EP KR); **Y02T 10/12** (2013.01 - EP KR)

Citation (search report)

See references of WO 2011141436A1

Citation (examination)

- DE 102007057220 A1 20090528 - CYROL UDO [DE], et al
- DE 102007035340 A1 20090205 - CYROL UDO [DE], et al

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 102010020115 A1 20111110; CN 102893013 A 20130123; EP 2569529 A1 20130320; KR 101902588 B1 20180928; KR 20130108505 A 20131004; WO 2011141436 A1 20111117

DOCDB simple family (application)

DE 102010020115 A 20100510; CN 201180023438 A 20110509; EP 11719807 A 20110509; EP 2011057444 W 20110509; KR 20127032115 A 20110509