

Title (en)

SWITCH ELEMENT FOR VALVE ACTUATION IN AN INTERNAL COMBUSTION ENGINE

Title (de)

SCHALTELEMENT FÜR EINEN VENTILTRIEB EINER BRENNKRAFTMASCHINE

Title (fr)

ELEMENT DE COMMUTATION POUR UN MECANISME DE COMMANDE DE SOUPAPES D'UN MOTEUR A COMBUSTION INTERNE

Publication

EP 1472438 A1 20041103 (DE)

Application

EP 03702437 A 20030115

Priority

- DE 10204672 A 20020206
- EP 0300307 W 20030115
- US 35462802 P 20020206

Abstract (en)

[origin: WO03067038A1] A switch element (1) for valve actuation in an internal combustion engine is disclosed, preferably for valve closure, comprising a simply achieved measure for adjustment of the coupling play, the coupling means (8) for which are retained in a recess by means of two securing rings (19, 20), the thickness of one of which may be varied.

IPC 1-7

F01L 13/00; F01L 1/14; F01L 1/24

IPC 8 full level

F01L 1/14 (2006.01); **F01L 1/245** (2006.01); **F01L 1/255** (2006.01); **F01L 13/00** (2006.01); **H01H 3/42** (2006.01)

CPC (source: EP US)

F01L 1/14 (2013.01 - EP US); **F01L 1/146** (2013.01 - EP US); **F01L 1/245** (2013.01 - EP US); **F01L 1/255** (2013.01 - EP US);
F01L 13/005 (2013.01 - EP US); **F01L 13/0031** (2013.01 - EP US); **F01L 2303/00** (2020.05 - EP US); **F01L 2305/00** (2020.05 - EP US)

Citation (search report)

See references of WO 03067038A1

Cited by

DE102009007191A1; DE102022102242A1; US12012874B2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 03067038 A1 20030814; AT E300665 T1 20050815; AU 2003205602 A1 20030902; CA 2470834 A1 20030814; CA 2470834 C 20100928;
EP 1472438 A1 20041103; EP 1472438 B1 20050727; ES 2243886 T3 20051201; MX PA04006988 A 20050527; US 2005120989 A1 20050609;
US 2005166880 A1 20050804; US 2006191503 A1 20060831; US 2006219199 A1 20061005; US 2009145391 A1 20090611;
US 6997154 B2 20060214; US 7207303 B2 20070424; US 7210439 B2 20070501; US 7464680 B2 20081216

DOCDB simple family (application)

EP 0300307 W 20030115; AT 03702437 T 20030115; AU 2003205602 A 20030115; CA 2470834 A 20030115; EP 03702437 A 20030115;
ES 03702437 T 20030115; MX PA04006988 A 20030115; US 27256708 A 20081117; US 40290406 A 20060413; US 41507406 A 20060502;
US 49848105 A 20050127; US 8877605 A 20050325