

Title (en)  
INTERNAL COMBUSTION ENGINE VALVE TRAIN SWITCHING DEVICE

Title (de)  
BRENNKRAFTMASCHINENVENTILTRIEBUMSCHALTUNGVORRICHTUNG

Title (fr)  
DISPOSITIF D'INVERSION D'UN ENTRAÎNEMENT DE SOUPAPE POUR MOTEUR À COMBUSTION INTERNE

Publication  
**EP 2176523 A1 20100421 (DE)**

Application  
**EP 08785400 A 20080807**

Priority  
• EP 2008006490 W 20080807  
• DE 102007037745 A 20070810

Abstract (en)  
[origin: WO2009021669A1] The invention relates to an internal combustion engine valve train switching device having a switching unit (36). The invention provides that the switching device (36) has an actuating device (38) having at least one control track (5, 6) that is formed by means of at least two switching units (1, 2) of the actuating unit (38).

IPC 8 full level  
**F01L 13/00** (2006.01); **F01L 1/46** (2006.01)

CPC (source: EP US)  
**F01L 1/46** (2013.01 - EP US); **F01L 13/0036** (2013.01 - EP US); **F01L 2013/0052** (2013.01 - EP US)

Citation (search report)  
See references of WO 2009021669A1

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)  
**DE 102007037745 A1 20090212**; CN 101779008 A 20100714; CN 101779008 B 20130911; EP 2176523 A1 20100421; EP 2176523 B1 20160113; JP 2010535967 A 20101125; JP 5487452 B2 20140507; US 2010199934 A1 20100812; US 8347837 B2 20130108; WO 2009021669 A1 20090219

DOCDB simple family (application)  
**DE 102007037745 A 20070810**; CN 200880102781 A 20080807; EP 08785400 A 20080807; EP 2008006490 W 20080807; JP 2010519380 A 20080807; US 65858410 A 20100208