

Title (en)

Valve drive for a combustion engine, and internal combustion engine

Title (de)

Ventiltrieb für eine Brennkraftmaschine und Brennkraftmaschine

Title (fr)

Commande de soupape pour un moteur à combustion et moteur à combustion

Publication

EP 2636859 B1 20150311 (DE)

Application

EP 13153150 A 20130129

Priority

DE 102012203702 A 20120308

Abstract (en)

[origin: EP2636859A1] The valve train (10) has a shift element (24) that is provided for separating and coupling a partial-load rocker arm (14) and a full load rocker arm (13) respectively in inactivated state and activated state. A crank rod (26) is guided either at partial-load rocker arm or at full load rocker arm in thrust direction, such that rocker arms are coupled together in activated state. A cam (17) of cam shaft (16) is defined for displacing the crank rod in relation to the respective cam base circle radially inside a cam contour, in order to ensure the coupling and separation of rocker arms.

IPC 8 full level

F01L 13/00 (2006.01); **F01L 1/08** (2006.01); **F01L 1/26** (2006.01)

CPC (source: EP KR)

F01L 1/08 (2013.01 - EP); **F01L 1/18** (2013.01 - KR); **F01L 1/267** (2013.01 - EP); **F01L 1/34** (2013.01 - KR); **F01L 13/00** (2013.01 - KR); **F01L 13/0036** (2013.01 - EP)

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)

EP 2636859 A1 20130911; **EP 2636859 B1 20150311**; CN 103306767 A 20130918; CN 103306767 B 20160629; DE 102012203702 A1 20130912; KR 101935057 B1 20190103; KR 20130103374 A 20130923

DOCDB simple family (application)

EP 13153150 A 20130129; CN 201310074287 A 20130308; DE 102012203702 A 20120308; KR 20130022863 A 20130304