

Title (en)

Valve gear for an internal-combustion engine

Title (de)

Ventiltrieb für einen Verbrennungsmotor

Title (fr)

Mécanisme de commande de soupapes pour moteur à combustion interne

Publication

EP 1457645 B1 20050817 (DE)

Application

EP 04003090 A 20040212

Priority

DE 10311275 A 20030314

Abstract (en)

[origin: EP1457645A1] The valve opens a certain crankshaft angle (E01). A build-up described by a crankshaft angle difference (EOF) adds onto a global maximum. In this position, the valve is kept pressed out at a degree of crankshaft angle (EHub1). After this, the valve is partly closed again, i.e. the valve stroke drops to a local 'extremum' (EHub2) reached at a specific point (ES1).

IPC 1-7

F01L 9/04; **F01L 13/00**

IPC 8 full level

F01L 1/08 (2006.01); **F01L 9/20** (2021.01); **F01L 9/22** (2021.01)

CPC (source: EP)

F01L 1/08 (2013.01); **F01L 9/20** (2021.01); **F01L 9/22** (2021.01); **F01L 2009/2126** (2021.01); **F01L 2009/2136** (2021.01); **F01L 2201/00** (2013.01)

Cited by

WO2006117486A1; DE102015117921A1; FR2885389A1; KR20150065747A; FR2909129A1; EP1818518A1; CN105229288A; EP1818517A3; GB2487510A; EP2977567A1; US8360387B2; US11353084B2; WO2014056798A1; WO2014191212A1; US7881854B2; US9518545B2; EP1818517A2; WO2011061528A3; WO2011061528A2; US9068480B2; US9291300B2; US9768663B2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 1457645 A1 20040915; **EP 1457645 B1 20050817**; DE 10311275 A1 20040930; DE 502004000040 D1 20050922

DOCDB simple family (application)

EP 04003090 A 20040212; DE 10311275 A 20030314; DE 502004000040 T 20040212