

Title (en)

VARIABLE VALVE TRAIN HAVING COMMON ADJUSTMENT OF THE VALVE STROKE FOR A PLURALITY OF SUB-TRAINS

Title (de)

VARIABLER VENTILTRIEB MIT GEMEINSAMER VERSTELLUNG DES VENTILHUBS FÜR MEHRERE TEILTRIEBE

Title (fr)

MÉCANISME DE DISTRIBUTION VARIABLE PRÉSENTANT UN AJUSTEMENT DE LEVÉE DE SOUPAPE COMMUN POUR PLUSIEURS MÉCANISMES DE DISTRIBUTION PARTIELS

Publication

**EP 3408507 B1 20200805 (DE)**

Application

**EP 17701887 A 20170130**

Priority

- DE 102016101657 A 20160129
- EP 2017051936 W 20170130

Abstract (en)

[origin: WO2017129821A1] The invention relates to a variable valve train (2) comprising: a first actuating system having a first valve-actuating gearing (4-1) for actuating a first valve (70-1) and having a first pivoting frame (80-1) mounted for pivoting about a first pivot axis (24-1); a second actuating system having a second valve-actuating gearing (4-2) for actuating a second valve (70-2) and having a second pivoting frame (80-2) mounted for pivoting about a second pivot axis (24-2), wherein a valve stroke for the first valve (70-1) and a valve stroke for the second valve (70-2) are adjusted by pivoting the first pivoting frame and the second pivoting frame (80-2), respectively; and a pivoting drive (90) for the common pivoting of the first and second pivoting frames (80-1, 80-2), having a pivoting actuator (92). The pivoting actuator (92) has a servomotor (91) and two shaft ends (99-1, 99-2) on opposite sides of the servomotor (91), wherein the first of the two shaft ends (99-1) is coupled to the first pivoting frame (80-1) for pivoting and the second of the two shaft ends (99-2) is coupled to the second pivoting frame (80-2) for pivoting.

IPC 8 full level

**F01L 13/00** (2006.01); **F01L 1/053** (2006.01); **F01L 1/18** (2006.01)

CPC (source: EP)

**F01L 1/053** (2013.01); **F01L 13/0063** (2013.01); **F01L 1/185** (2013.01); **F01L 2013/103** (2013.01); **F01L 2305/00** (2020.05)

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 102016101657 A1 20170803**; EP 3408507 A1 20181205; EP 3408507 B1 20200805; WO 2017129821 A1 20170803

DOCDB simple family (application)

**DE 102016101657 A 20160129**; EP 17701887 A 20170130; EP 2017051936 W 20170130