

Title (en)
VARIABLE VALVE DRIVE

Title (de)
VARIABLER VENTILTRIEB

Title (fr)
COMMANDE DE SOUPAPE VARIABLE

Publication
EP 3421741 B1 20200108 (DE)

Application
EP 18176252 A 20180606

Priority
DE 102017114575 A 20170629

Abstract (en)
[origin: US2019003353A1] The disclosure concerns a variable valve train for an internal combustion engine, comprising a camshaft, a gas exchange valve and a cam carrier. The cam carrier is arranged rotationally fixedly and axially displaceably on the camshaft and has a first cam and a second cam. The variable valve train has a force transmission device with a force transmission element, in particular a finger follower or rocker arm, which, depending on an axial position of the cam carrier, creates an active connection either between the first cam and the gas exchange valve or between the second cam and the gas exchange valve. The variable valve train has a first actuator for axial displacement of the cam carrier, wherein the first actuator is received at least partially in the force transmission device.

IPC 8 full level
F01L 13/00 (2006.01); **F01L 1/18** (2006.01)

CPC (source: CN EP RU US)
F01L 1/047 (2013.01 - CN RU); **F01L 1/18** (2013.01 - CN EP RU US); **F01L 13/0036** (2013.01 - EP RU US); **F01L 13/0042** (2013.01 - US); **F01L 2013/0052** (2013.01 - EP US)

Cited by
DE102019203432A1; EP3564500A1; US10927718B2; US11047270B2

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