Title (en)

VARIABLE VALVE DRIVE WITH A ROCKER ARM

Title (de)

VARIABLER VENTILTRIEB MIT EINEM KIPPHEBEL

Title (fr)

COMMANDE DE SOUPAPE VARIABLE COMPRENANT UN CULBUTEUR

Publication

EP 3173593 B1 20190410 (DE)

Application

EP 16002316 A 20161028

Priority

DE 102015015264 A 20151126

Abstract (en)

[origin: US2017152769A1] A variable valve drive for a lifting valve, such as a charge-exchange valve of an internal combustion engine, that is periodically movable between closed and open positions indirectly by way of a cam via a rocker lever. The variable valve drive includes a switchable rocker lever arrangement for the actuation of the lifting valve, having a transmission rocker lever and a valve rocker lever which are mounted pivotably on different rocker lever axles parallel to the camshaft axis. The valve rocker lever, is in operative contact with the lifting valve at a first end, and has a roller, at a second end. The transmission rocker lever, is in engagement with a cam of the camshaft and, is operatively connected to the roller of the valve rocker lever.

IPC 8 full level

F01L 13/00 (2006.01); **F01L 1/08** (2006.01); **F01L 1/18** (2006.01); **F01L 1/20** (2006.01); **F01L 1/24** (2006.01)

CPC (source: CN EP RU US)

F01L 1/08 (2013.01 - EP RU US); **F01L 1/18** (2013.01 - CN EP RU US); **F01L 1/181** (2013.01 - EP RU US); **F01L 1/20** (2013.01 - EP RU US); **F01L 1/24** (2013.01 - EP RU US); **F01L 13/00** (2013.01 - EP RU US); **F01L 13/0005** (2013.01 - EP RU US); **F01L 13/0021** (2013.01 - US); **F01L 13/0063** (2013.01 - EP RU US); F01L 2001/186 (2013.01 - US); F01L 2013/0068 (2013.01 - EP US)

Citation (examination)

None

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

EP 16002316 A 20161028; BR 102016027678 A 20161125; CN 201611050340 A 20161125; DE 102015015264 A 20151126; RU 2016145412 A 20161121; US 201615359200 A 20161122