

Title (en)
VALVE DRIVE FOR AN INTERNAL COMBUSTION ENGINE

Title (de)
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Title (fr)
COMMANDE DE SOUPAPE POUR MOTEUR À COMBUSTION INTERNE

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Abstract (en)
[origin: WO2019037945A1] The invention relates to a valve drive for a cylinder head of an internal combustion engine, comprising a first camshaft which is rotatably mounted in a first and a second camshaft bearing and which comprises at least one cam with a first cam curve and a second cam curve that differs from the first cam curve, wherein a gas exchange valve can be actuated by the first or the second cam curve, a camshaft section is provided, by means of which the cam can be moved by an adjusting means such that the gas exchange valve can be actuated either via the first or the second cam curve, the first camshaft and the cam have a fixed position relative to each other, the first camshaft can be axially moved in the first and the second camshaft bearing, and an axial lock is provided for the camshaft. By means of the valve drive design according to the invention, a substantial reduction of production costs is achieved compared to the prior art and undesired toothing noises are prevented. Additionally, the camshaft is axially locked depending on which cam curve is interacting with the gas exchange valve.

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