

Title (en)
VARIABLE VALVE TRAIN

Title (de)
VARIABLER VENTILTRIEB

Title (fr)
MÉCANISME DE DISTRIBUTION VARIABLE

Publication
EP 3402965 A1 20181121 (DE)

Application
EP 16831479 A 20161216

Priority
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Abstract (en)
[origin: WO2017121420A1] A variable valve train (1) for a DOHC single-cylinder engine is proposed, having a camshaft (2) which can be displaced axially as an entirety and on which at least one cam group (3) with at least one large lift cam and one small lift cam (4, 5) and a groove piece (6) which is connected thereto are seated fixedly, which groove piece (6) is provided with a displacement groove profile (7) for engagement of an actuator pin (8) of a switching actuator (9) for displacing the cam shaft (2), wherein said cam shaft (2) is enclosed on the circumferential region (10) thereof, in the case of an end spur system (11), by a drive wheel (12) for an endless traction mechanism which is seated fixedly on an intermediate sleeve (13) which engages around the circumferential region (10) of the camshaft (2) and is fixed axially but runs rotatably at least indirectly on a bearing shell (14) of a support (15) of a cylinder head (16), with the result that a first bearing point (17) is formed for the camshaft (2), wherein the camshaft (2) is received in a telescopically movable manner in a bore (18) of the intermediate sleeve (13), and drive means (19) are provided in the circumferential direction in between, and wherein latching means (20) for fixing the displacement positions of the camshaft (2) are applied at the same time between the intermediate sleeve (13) and the camshaft (2).

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See references of WO 2017121420A1

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