

Title (en)
VALVE TRAIN FOR GAS EXCHANGE VALVES OF AN INTERNAL COMBUSTION ENGINE HAVING DOUBLE-SUPPORTED CAM CARRIERS

Title (de)
VENTILTRIEB FÜR GASWECHSELVENTILE EINER BRENNKRAFTMASCHINE MIT DOPPELT ABGESTÜTZTEN NOCKENTRÄGERN

Title (fr)
DISTRIBUTION POUR LES SOUPAPES D'ECHANGE DE GAZ D'UN MOTEUR A COMBUSTION INTERNE AVEC DES SUPPORTS DE CAME DOUBLEMENT SOUTENUS

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Application
EP 09765507 A 20090526

Priority
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Abstract (en)
[origin: WO2009152927A1] The invention relates to a valve train (1) for gas exchange valves (2) of an internal combustion engine, having a base camshaft (3), a plurality of cam carriers (4) arranged on the base camshaft (3) in a rotationally fixed and axially displaceable way, and locking devices (24) for retaining the cam carriers (4) in defined displacement positions along the base camshaft (3). The locking devices (24) each comprise a pressing element (26), which is inserted into a recess (25) of the base camshaft (3) and pressed in the radial direction of the base camshaft (3) against an opposing inner circumferential section of the cam carrier (4). In order to counteract noise development in the valve train, according to a first variant of the invention, a further pressing element (31) is provided at an axial distance to the pressing element (26) and is pressed against an opposing inner circumferential section (33) of the cam carrier (4). According to a second alternative or additional variant of the invention, the pressing elements (26, 31) of different cam carriers (4) are offset from each other in the circumferential direction of the base camshaft (3).

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