

Title (en)

FULLY VARIABLE MECHANICAL VALVE GEAR FOR A PISTON INTERNAL COMBUSTION ENGINE

Title (de)

VOLLVARIABLE MECHANISCHER VENTILTRIEB FÜR EINE KOLBENBRENNKRAFTMASCHINE

Title (fr)

MECANISME DE DISTRIBUTION MECANIQUE ENTIEREMENT VARIABLE POUR MOTEUR ALTERNATIF

Publication

**EP 1348068 A1 20031001 (DE)**

Application

**EP 02703532 A 20020102**

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Abstract (en)

[origin: WO02053881A1] The invention relates to a mechanical valve gear that can be variably adjusted for at least one gas shuttle valve (1) in a piston internal combustion engine, said valve being provided with at least one closing spring (2). Said valve gear comprises a drive element (13) for generating a stroke motion that acts against the force of the closing spring (2) on the gas shuttle valve (1) and a stroke transmission element (4) located between the drive element (13) and the gas shuttle valve (1). Said transmission element acts on the gas shuttle valve (1) in the direction of the displacement axis (14) of the latter and the stroke path of the stroke transmission element can be modified in the direction of the displacement axis (14) by means of an adjustable guide element (11). The stroke transmission element consists of a pivoting element (8), whose end that acts in the direction of the displacement axis (14) interacts with the gas shuttle valve and whose end that faces away from the gas shuttle valve (1) is connected to the drive element (13). Said pivoting element can be directed in a pivoting manner back and forth on a guide element (11) that is configured as a radial cam (11.1).

IPC 1-7

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IPC 8 full level

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