Title (en)

VALVE GEAR FOR GAS EXCHANGE VALVES OF INTERNAL COMBUSTION ENGINES

Title (de)

VENTILANTRIEB FÜR GASWECHSELVENTILE VON BRENNKRAFTMASCHINEN

Title (fr)

MECANISME DE DISTRIBUTION POUR SOUPAPES DE CHANGEMENT DES GAZ DE MOTEURS A COMBUSTION INTERNE

Publication

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Application

EP 98916971 A 19980317

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Abstract (en)

[origin: DE19712668C1] The invention relates to a valve gear for gas exchange valves of internal combustion engines, comprising a cam shaft (1). The cam (2) of this cam shaft (1) acts upon a valve shank (8) of a gas exchange valve via a bucket tappet (6) positioned in a cylinder head (5), an inside tappet (7) being supported on said bucket tappet (6) via a first pressure spring (14). The bucket tappet (6) can be coupled to the inside tappet (7) with a switchable coupling member (15). The gas exchange valve is not operated in the coupled state, provided that it is only driven via the bucket tappet (6). According to the invention, a clamping ring (15) is provided as a switchable coupling member, said clamping ring having a self-locking conical surface (17). The clamping connection can be detached with light oil pressure (P) when the gas exchange valve is closed. This results in a device for switching gas exchange valves off or over which has low frictional loss, is easy to produce, requires little construction space, and can be sealed well because of the low degree of oil pressure (P) required for operation.

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