

Title (en)

Device for actuating two exhaust valves of a valve-controlled internal combustion engine via a valve bridge

Title (de)

Vorrichtung zum Betätigen zweier über eine Ventilbrücke beaufschlagter Auslassventile einer ventilgesteuerten Brennkraftmaschine

Title (fr)

Dispositif d'actionnement de deux soupapes d'échappement, sollicitées via un pont de soupape, d'un moteur à combustion interne commandé par soupape

Publication

EP 2803826 B1 20150916 (DE)

Application

EP 13004907 A 20131012

Priority

DE 102013007468 A 20130502

Abstract (en)

[origin: CN104131851A] A device for actuating outlet valves that are acted on via a valve bridge of a valve-controlled internal combustion engine for motor vehicles includes a first piston-cylinder unit in the force flow between a cam of a driving camshaft and one of the outlet valves. When one of the outlet valves opens under the action of exhaust-gas counterpressure, play compensation in the valve drive can be produced in order to hold the one of the outlet valves open by the first piston-cylinder unit. A second, coaxial piston-cylinder unit interacts with a positionally fixed counter bracket and controls a discharge duct out of the pressure chambers of the two piston-cylinder units. The piston of the first piston-cylinder unit is preloaded in a readjustment direction by a spring. To reliably obtain a lack of play in the valve drive in particular during engine braking operation, the readjustment spring acts, without being supported in the valve bridge, on the pistons of both piston-cylinder units.

IPC 8 full level

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CPC (source: EP RU US)

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