

Title (en)

VALVE CONTROL FOR A GAS EXCHANGE VALVE OF A COMBUSTION ENGINE

Title (de)

VENTILSTEUERUNG FÜR EIN GASWECHSELVENTIL EINER BRENNKRAFTMASCHINE

Title (fr)

COMMANDE DE SOUPAPE POUR UNE SOUPAPE D'ÉCHANGE DE GAZ D'UN MOTEUR À COMBUSTION INTERNE

Publication

**EP 2837779 B1 20191016 (DE)**

Application

**EP 14002478 A 20140717**

Priority

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Abstract (en)

[origin: US2015075466A1] A valve control device for a gas exchange valve of an internal combustion engine has a cam follower lever interacting with the camshaft. A rocker arm rests on the cam follower lever and actuates the valve. An adjusting device acts on the rocker arm to adjust a valve lift. The rocker arm has first and second control surfaces with first and second radii of curvature, respectively. The cam follower lever has a third control surface with third radius of curvature. The first control surface contacts a fourth control surface of a guide element of the engine with fourth radius of curvature. The second control surface of the rocker arm contacts a valve element. The first to fourth radii of curvature are adjusted such that, when adjusting the valve lift, the valve does not open when the cam follower lever rests on a cam base circle section of the camshaft.

IPC 8 full level

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CPC (source: EP US)

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