Title (en)

VALVE LIFTING ARRANGEMENT AND METHOD FOR OPERATING VALVE LIFTING ARRANGEMENT

Title (de)

VENTILHEBEANORDNUNG UND VERFAHREN ZUM BETRIEB EINER VENTILHEBEEINRICHTUNG

Title (fr)

AGENCEMENT DE SOULÈVEMENT DE SOUPAPE ET PROCÉDÉ D'ACTIONNEMENT DE L'AGENCEMENT DE SOULÈVEMENT DE SOUPAPE

Publication

EP 2941547 A1 20151111 (EN)

Application

EP 14700517 A 20140103

Priority

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Abstract (en)

[origin: WO2014106689A1] The valve lifting arrangement for opening an exhaust valve (1) of an internal combustion engine comprises a cam (2) having a first lobe (2b) and a second lobe (2c), a reciprocating cam follower unit (3), force transmission means (4, 6, 7, 11) for transmitting movement of the cam follower unit (3) to the exhaust valve (1), at least one hydraulic fluid chamber (5), a first piston (6) that is in mechanical connection with the cam fol- lower unit (3) for pressurizing the fluid in the chamber (5), a second piston (7) that is in mechanical connection with the exhaust valve (1) and movable by the hydraulic fluid that is pressurized by the first piston (6), means (8, 9) for introducing hydraulic fluid into the space (5, 5b, 13) between the first piston (6) and the second piston (7), and a control valve (10) for controlling outflow from the space between the first piston (6) and the second piston (7). The invention also concerns a method for operating the valve lifting arrangement.

IPC 8 full level

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CPC (source: EP FI)

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Citation (search report)

See references of WO 2014106689A1

Cited by

KR102185712B1; CN111188662A; EP3850196A4

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