

Title (en)
SWITCHABLE ACTUATION DEVICE FOR A POPPET VALVE IN AN INTERNAL COMBUSTION ENGINE, INTERNAL COMBUSTION ENGINE
AND MOTOR VEHICLE

Title (de)
SCHALTBARE BETÄTIGUNGSVORRICHTUNG FÜR EIN HUBVENTIL EINER BRENNKRAFTMASCHINE, BRENNKRAFTMASCHINE UND
KRAFTFAHRZEUG

Title (fr)
DISPOSITIF D'ACTIONNEMENT COMMUTABLE POUR UNE SOUPAPE DE LEVAGE D'UN MOTEUR À COMBUSTION INTERNE, MOTEUR À
COMBUSTION INTERNE ET VÉHICULE À MOTEUR

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Application
EP 19827665 A 20191212

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Abstract (en)
[origin: WO2020126775A1] The present invention relates to a switchable actuation device (100) for a gas exchange valve. The switchable actuation device (100) comprises a two-piece rocker arm (10). Said rocker arm comprises a first rocker arm portion (1a), which is mounted pivotably about a rocker arm shaft (2) and to which a bearing sleeve (1a1) is fastened concentrically with the rocker arm shaft (2), and a second rocker arm portion (1b) mounted pivotably on the bearing sleeve (1a1). Furthermore, both the first and the second rocker arm portions (1a, 1b) each comprise a cut-out (3a, 3b), wherein a locking element (4a) of a coupling device (4) of the switchable actuation device (100) can optionally be brought into and out of engagement with the two cut-outs (3a, 3b). An actuation of the poppet valve, preferably a change between a closed position and an open position of the poppet valve, is interrupted if the locking element (4a) is not in engagement with the two cut-outs (3a, 3b). The invention also relates to an internal combustion engine (20) and a motor vehicle (30).

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Citation (search report)
See references of WO 2020126775A1

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