

Title (en)  
CONTROL ARRANGEMENT FOR A VALVE OPERATING ASSEMBLY AND A METHOD FOR CONTROLLING THE CLOSING MOVEMENT OF A VALVE OPERATING ASSEMBLY

Title (de)  
STEUERANORDNUNG FÜR EINE VENTILTRIEBSANORDNUNG UND VERFAHREN ZUR STEUERUNG DER SCHLIESSBEWEGUNG EINER VENTILBETRIEBSANORDNUNG

Title (fr)  
DISPOSITIF DE COMMANDE POUR ENSEMBLE D'ACTIONNEMENT DE SOUPAPE ET PROCÉDÉ POUR COMMANDER LE MOUVEMENT DE FERMETURE D'UN ENSEMBLE D'ACTIONNEMENT DE SOUPAPE

Publication  
**EP 2340362 B1 20120905 (EN)**

Application  
**EP 09744424 A 20091009**

Priority  
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• FI 20086021 A 20081029

Abstract (en)  
[origin: WO2010049583A1] A control arrangement for, and a method for controlling the closing movement of, a valve operating assembly in a piston engine adapted between a cam device (5) of a camshaft (4) of the engine (1) and an inlet valve mechanism (6) arranged to open and close the inlet valve (3) in association with a cylinder of the engine. The control arrangement (7) comprises a body part (8), in which a piston device (9) is movably arranged to be in force transmission connection with the camshaft (4) and the valve mechanism (6), the body part (8) and the piston device (9) together defining a first chamber (13), into which hydraulic medium can be selectively fed for providing a delay in the closing of the inlet valve (3). The body part (8) is provided with a first duct (16) for releasing of pressure in the first chamber (13) under control of a guide member (10) movably arranged in the body part (8) between the cam device (5) and the piston device (9). The guide member (10) includes a third chamber (18), which is arranged to be in communication with the first duct (16) and a control piston (20) located in said third chamber (18) and movably arranged with regard to the guide member (10) for controlling pressure medium flow through said third chamber (18).

IPC 8 full level  
**F01L 1/14** (2006.01); **F01L 1/255** (2006.01); **F01L 9/14** (2021.01)

CPC (source: EP FI)  
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Cited by  
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