

Title (en)

Apparatus for actuating a valve with variable lift in an internal combustion engine

Title (de)

Vorrichtung zur Betätigung eines Gaswechselventils mit variablem Hub in einer Brennkraftmaschine

Title (fr)

Appareil pour actionner une soupape à levé variable dans un moteur à combustion interne

Publication

EP 1264968 A3 20030813 (DE)

Application

EP 02011686 A 20020603

Priority

DE 20109597 U 20010608

Abstract (en)

[origin: EP1264968A2] The system is designed so that the lift of the gas changing valve is variable by adjusting the effective axial distance of the actuators (14,16). The lift is adjustable gradually without steps. The return spring (24) is supported at an abutment (11), which is adjustable in the sense of an unaltered return force in the closed condition with the changed lift of the gas changing valve.

IPC 1-7

F01L 9/04; **F02D 13/02**

IPC 8 full level

F01L 9/20 (2021.01)

CPC (source: EP US)

F01L 9/20 (2021.01 - EP US)

Citation (search report)

- [X] DE 3911496 A1 19901011 - BAYERISCHE MOTOREN WERKE AG [DE]
- [X] EP 0471614 A1 19920219 - RENAULT [FR]
- [AD] DE 19935871 A1 20010208 - DAIMLER CHRYSLER AG [DE]
- [A] DE 4300666 A1 19930722 - ATLAS FAHRZEUGTECHNIK GMBH [DE]
- [A] DE 19739539 A1 19990311 - UFERMANN RUEDIGER [DE]
- [A] US 6070853 A 20000606 - STOLK THOMAS [DE], et al

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

DE 20109597 U1 20010927; DE 50206523 D1 20060601; EP 1264968 A2 20021211; EP 1264968 A3 20030813; EP 1264968 B1 20060426; US 2002185090 A1 20021212; US 6684829 B2 20040203

DOCDB simple family (application)

DE 20109597 U 20010608; DE 50206523 T 20020603; EP 02011686 A 20020603; US 16142402 A 20020603