

Title (en)

DEVICE FOR VARIABLE ACTUATION OF THE GAS EXCHANGE VALVES IN INTERNAL COMBUSTION PISTON ENGINES

Title (de)

VORRICHTUNG ZUR VARIABLEN BETÄTIGUNG DER LADUNGSWECHSELVENTILE IN HUBKOLBENMOTOREN

Title (fr)

DISPOSITIF POUR ACTIONNER DE MANIERE VARIABLE LES SOUPAPES DE CHANGEMENT DE CHARGE DANS DES MOTEURS A PISTON ALTERNATIF

Publication

EP 1458956 A1 20040922 (DE)

Application

EP 02799032 A 20021219

Priority

- DE 0204666 W 20021219
- DE 10162797 A 20011220

Abstract (en)

[origin: WO03054362A1] The invention relates to a revolving gear consisting of a housing (G), a shaft (W), an intermediate member (Z) and an output member (A). The shaft is revolvably guided in the housing in a rotating joint (wb) and actuates the intermediate member by means of a curved joint (zw). The intermediate member is supported by a curved joint (zg) in the housing and is actively connected to the output member by another curved joint (za). The curved joint between the intermediate member and the housing has a controlling section enabling movement to be transmitted to the output member and a locking section preventing movement from being transmitted to the output member. The output member is unequivocally guided in the housing and transmits movement to at least one valve (V).

IPC 1-7

F01L 13/00

IPC 8 full level

F01L 13/00 (2006.01)

CPC (source: EP US)

F01L 13/0063 (2013.01 - EP US)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 03054362 A1 20030703; AT E394585 T1 20080515; AU 2002364271 A1 20030709; DE 10162797 A1 20030703; DE 50212244 D1 20080619; EP 1458956 A1 20040922; EP 1458956 B1 20080507; ES 2306810 T3 20081116; US 2005028765 A1 20050210; US 7137368 B2 20061121

DOCDB simple family (application)

DE 0204666 W 20021219; AT 02799032 T 20021219; AU 2002364271 A 20021219; DE 10162797 A 20011220; DE 50212244 T 20021219; EP 02799032 A 20021219; ES 02799032 T 20021219; US 49918704 A 20041004