

Title (en)

Device for automatically controlling the closing of a decompression valve of an internal-combustion engine.

Title (de)

Vorrichtung zur automatischen Steuerung des Schliessens eines Dekompressionsventiles einer Brennkraftmaschine.

Title (fr)

Dispositif de commande automatique de la fermeture de la soupape de décompression d'un moteur à explosion.

Publication

**EP 0031261 A1 19810701 (FR)**

Application

**EP 80401640 A 19801117**

Priority

FR 7930752 A 19791214

Abstract (en)

[origin: ES255329U] The device comprises a conventional arrangement for opening the decompression valve comprising a manual actuating lever connected to the valve and operative to open the valve in opposition to the action of a return spring which biases the valve to the closing position. A delay device is provided for delaying the return of the valve to the closing position when the actuating lever has been released. The delay device comprises a control member connected to the connection between the actuating lever and the valve and movable substantially in a plane between a first position for opening the valve and a second position for closing the valve. A finger member pivotally mounted on the control member is positioned to engage a helical groove on a shaft rotated by the engine when starting up and is blocked by the shaft until the finger member has travelled to the end of the helical groove and reached the outer extremity of the shaft whereupon it suddenly ceases to be blocked by the shaft and the control member can move to its second position and suddenly close the valve.

Abstract (fr)

Ce dispositif comporte un doigt (32) articulé sur une plaque basculante (26) qui est reliée par des câbles (2,6) respectivement au levier de commande (1) et au ressort (22) de fermeture de la soupape de décompression (16). Lors du basculement d'ouverture de la soupape le doigt (32) vient se bloquer contre une gorge hélicoïdale entraînée en rotation par le moteur. Il parcourt cette gorge jusqu'à son extrémité puis, libéré, bascule en position de repos et de fermeture de la soupape.

IPC 1-7

**F01L 13/08**

IPC 8 full level

**F01L 13/08** (2006.01); **F02D 15/00** (2006.01)

CPC (source: EP US)

**F01L 13/08** (2013.01 - EP US)

Citation (search report)

- FR 2364329 A1 19780407 - HONDA MOTOR CO LTD [JP]
- FR 1187191 A 19590908 - PEUGEOT CYCLES
- FR 865039 A 19410512 - SUISSE CONSTRUCTION LOCOMOTIVE
- US 2016846 A 19351008 - RAYMOND WASEIGE CHARLES
- DE 1069932 B

Designated contracting state (EPC)

AT BE DE GB IT NL

DOCDB simple family (publication)

**EP 0031261 A1 19810701**; **EP 0031261 B1 19831116**; AT E5345 T1 19831215; DE 3065635 D1 19831222; ES 255329 U 19810916; ES 255329 Y 19820301; FR 2471475 A1 19810619; FR 2471475 B1 19830225; JP S5698537 A 19810808; US 4369741 A 19830125

DOCDB simple family (application)

**EP 80401640 A 19801117**; AT 80401640 T 19801117; DE 3065635 T 19801117; ES 255329 U 19801210; FR 7930752 A 19791214; JP 17478880 A 19801212; US 21230780 A 19801203