

Title (en)

Actuator unit for push cam systems with actuator pins controlled by control needles

Title (de)

Aktoreinheit für Schiebenockensysteme mit durch Steuernadeln beherrschte Aktorstifte

Title (fr)

Unité d'actionnement pour systèmes à came coulissante avec broche actionneuse régie par pointeau

Publication

EP 2578819 B1 20131120 (DE)

Application

EP 12181618 A 20120824

Priority

DE 102011084039 A 20111005

Abstract (en)

[origin: EP2578819A1] The combustion engine has a pneumatic stapler that is spring-loaded in direction of a sliding cam unit. A sliding cam positioning unit is secured at a remote retracted position by using a locking unit. Several clamping elements are operatively connected to spring-loaded control needles (1) by using a solenoid assembly. Several permanent magnets are detachably attached with respect to control needles. The amount of acceleration of pneumatic stapler is equal to that of spring force per unit acceleration of needles associated with the springs.

IPC 8 full level

F01L 13/00 (2006.01)

CPC (source: EP US)

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Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 2578819 A1 20130410; EP 2578819 B1 20131120; DE 102011084039 A1 20130411; US 2013087113 A1 20130411; US 8851035 B2 20141007

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