

Title (en)
SWITCHABLE PRESSURE SUPPLY DEVICE

Title (de)
SCHALTBARE VORRICHTUNG ZUR DRUCKVERSORGUNG

Title (fr)
DISPOSITIF COMMUTABLE POUR L'ALIMENTATION EN PRESSION

Publication
EP 2501905 A2 20120926 (DE)

Application
EP 10779801 A 20101117

Priority
• DE 102009054055 A 20091120
• EP 2010067658 W 20101117

Abstract (en)
[origin: WO2011061217A2] The invention relates to a switchable device for supplying at least one consumer of an internal combustion engine with pressure. The device comprises the following: a housing having a housing interior; a displacement element arranged in the housing, which element can be displaced between a first end position and a second end position, the displacement element having a pressure surface which at least partially delimits a fluidically connectible accumulator chamber together with the wall of the housing interior, the accumulator chamber being connectible to a pressure source in a fluid-conducting manner; an energy accumulator which interacts with the displacement element, the displacement element being displaceable against the force of the energy accumulator from the first end position into the second end position under the effect of pressure applied to the accumulator chamber; a locking mechanism by virtue of which the displacement element can be locked in the second end position; a switching mechanism which can be actuated by an actuator, has a switch element that can be brought into at least two switching positions and interacts with the locking mechanism in such a manner that the displacement element can be locked and unlocked in a first switching position of the switch element and cannot be locked and not unlocked in a second switching position of the switch element.

IPC 8 full level
F01L 1/047 (2006.01); **F01L 1/344** (2006.01); **F01L 9/02** (2006.01); **F15B 1/04** (2006.01); **F01L 9/10** (2021.01)

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Citation (search report)
See references of WO 2011061217A2

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