

Title (en)

HYDRAULIC VALVE ACTUATOR FOR RECIPROCATING ENGINE

Title (de)

HYDRAULISCHES VENTILSTELLGLIED FÜR HUBKOLBENMOTOR

Title (fr)

ACTIONNEUR HYDRAULIQUE DE SOUPAPES POUR MOTEUR A PISTONS

Publication

EP 1543221 B1 20060412 (FR)

Application

EP 03750820 A 20030718

Priority

- FR 0302271 W 20030718
- FR 0209323 A 20020723

Abstract (en)

[origin: US2006102117A1] A hydraulic valve actuator for reciprocating engine includes at least a hydraulic cylinder (3) for opening at least one valve (2) via at least one valve opening selector (11) with at least one hydraulic positive displacement pump (4) whereof the hydraulic fluid supplied at the output can be forced into a high pressure circuit (10) by at least one pump outlet closure (8), the valve (2) capable of being maintained opened by an opening non-return valve (24), then of being reseated by a valve closing selector (25) which directs the hydraulic fluid contained in the hydraulic cylinder (3) in the hydraulic positive displacement pump (4) input by co-operating with a pump input non-return valve (26).

IPC 8 full level

F01L 1/34 (2006.01); **F01L 9/10** (2021.01); **F02M 59/06** (2006.01)

CPC (source: EP US)

F01L 1/047 (2013.01 - EP US); **F01L 1/34** (2013.01 - EP US); **F01L 9/10** (2021.01 - EP US); **F01L 1/024** (2013.01 - EP US); **F01L 2001/0473** (2013.01 - EP US); **F01L 2001/0535** (2013.01 - EP US); **F01L 2009/2126** (2021.01 - EP US); **F01L 2013/0052** (2013.01 - EP US); **F02M 59/06** (2013.01 - EP US)

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