

Title (en)

Valve drive comprising pneumatic return spring for an internal combustion engine

Title (de)

Ventiltrieb für Brennkraftmaschinen mit einer pneumatischen Schliessfeder für ein Gaswechselventil

Title (fr)

Commande de soupape à ressort de rappel pneumatique pour moteur à combustion interne

Publication

**EP 0787893 B1 20010404 (DE)**

Application

**EP 96119256 A 19961202**

Priority

DE 19603536 A 19960201

Abstract (en)

[origin: EP0787893A1] The valve actuator comprises a locking spring (7) cylinder (10) which is arranged at least in the lift area of the locking spring piston (14) with cooling medium force-circulated in the cooling jacket (22) of the liquid cooled internal combustion engine. The housing (9) for location of the locking spring has a circumferential slot (19) extending over the lift area of the locking spring piston for a cooling medium directing chamber (18) formed with the cylinder.

IPC 1-7

**F01L 1/46**; **F01P 3/14**

IPC 8 full level

**F01L 1/46** (2006.01); **F01P 3/14** (2006.01); **F01P 3/00** (2006.01)

CPC (source: EP)

**F01L 1/465** (2013.01); **F01P 3/14** (2013.01); **F01P 2003/006** (2013.01)

Cited by

US2017362992A1; EP1143115A3; CN106922161A; CN107002591A; CN110520602A; DE102022111123A1; US10738680B2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 0787893 A1 19970806**; **EP 0787893 B1 20010404**; DE 19603536 A1 19970807; DE 19603536 C2 19990114; DE 59606719 D1 20010510

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