

Title (en)

Hydraulic valve lash adjuster for internal combustion engine.

Title (de)

Hydraulische Ventilspielausgleichseinrichtung für eine Verbrennungskraftmaschine.

Title (fr)

Dispositif hydraulique de rattrapage de jeu aux soupapes pour moteur à combustion interne.

Publication

EP 0525284 B1 19940824 (DE)

Application

EP 92103236 A 19920226

Priority

DE 4124484 A 19910724

Abstract (en)

[origin: US5183016A] A hydraulic valve clearance compensator for an internal combustion engine. The compensator has a housing shaped essentially like an upside-down cup with a flat base. The housing slides up and down inside a central bore. The housing accommodates two concentric hollow cylinders sealed off from each other and separated by an axially resilient compression spring. In the wall of the housing there is at least one inlet that supplies lubricant to one cylinder. Between the inlet and the cylinders is a check valve that allows lubricant to flow through the inlet into the cylinder and prevents it from flowing out. At least the section of the housing between the inlet and the base is narrower than the rest of the housing.

IPC 1-7

F01L 1/24

IPC 8 full level

F01L 1/24 (2006.01); **F01L 1/25** (2006.01)

CPC (source: EP US)

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Designated contracting state (EPC)

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US 5183016 A 19930202; AT E110440 T1 19940915; BR 9202047 A 19931005; CA 2074414 A1 19930125; CA 2074414 C 19941025; DE 4124484 C1 19930114; DE 59200407 D1 19940929; EP 0525284 A1 19930203; EP 0525284 B1 19940824; ES 2059169 T3 19941101; JP 2584569 B2 19970226; JP H05195724 A 19930803; MX 9204313 A 19921101

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US 86174592 A 19920401; AT 92103236 T 19920226; BR 9202047 A 19920529; CA 2074414 A 19920722; DE 4124484 A 19910724; DE 59200407 T 19920226; EP 92103236 A 19920226; ES 92103236 T 19920226; JP 19686392 A 19920723; MX 9204313 A 19920723