

Title (en)
Hydraulic lash adjuster

Title (de)
Hydraulisches Ventilspielausgleichselement

Title (fr)
Dispositif de rattrapage hydraulique de jeu aux soupapes

Publication
EP 1568851 B1 20090701 (EN)

Application
EP 04100730 A 20040225

Priority
EP 04100730 A 20040225

Abstract (en)
[origin: EP1568851A1] A hydraulic lash adjuster for a valve train of an internal combustion engine comprises a body (18) having a plunger chamber (19); a hollow plunger (20) reciprocally mounted in the plunger chamber (19) of the body (18), the plunger (20) having an upper part (22) with an oil bore (24) that protrudes out of the plunger chamber (19) for engaging a socket (164) of a rocker arm (16) of a valve train; and a high-pressure chamber (28). A partition wall (32) divides the interior of the hollow plunger into two chambers. <IMAGE>

IPC 8 full level
F01L 1/24 (2006.01); **F01L 13/00** (2006.01)

CPC (source: EP)
F01L 1/24 (2013.01); **F01L 1/2405** (2013.01); **F01L 13/0005** (2013.01); **F01L 13/0036** (2013.01)

Citation (examination)
EP 0899429 A1 19990303 - EATON CORP [US]

Cited by
EP1892387A1; EP2789815A1; DE102005053596A1; CN106471224A; KR20170021336A; US10544710B2; US10066517B2; US7377247B2; WO2007060096A1; WO2015197056A1; US9157340B2; US9650922B2; US9765656B2; US10184364B2; EP3181840B1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1568851 A1 20050831; **EP 1568851 B1 20090701**; AT E435359 T1 20090715; DE 602004021767 D1 20090813

DOCDB simple family (application)
EP 04100730 A 20040225; AT 04100730 T 20040225; DE 602004021767 T 20040225