

Title (en)
Hydraulic lash adjuster

Title (de)
Hydraulisches Spielausgleichselement

Title (fr)
Dispositif hydraulique de rattrapage de jeu

Publication
EP 1267046 A1 20021218 (EN)

Application
EP 02254170 A 20020614

Priority
• EP 02254170 A 20020614
• EP 01830399 A 20010615

Abstract (en)
A hydraulic lash adjuster has a plunger assembly (26) the outer end of which can be moved inwardly until the inner end abuts a seal (34) and closes a high pressure chamber (28), thus preventing further inward movement. This accommodates any necessary movement of a valve towards its closing position to ensure proper closure. Consequently, net-shaped cams wherein the base circle is not necessarily accurately concentric may be used. A leaf spring ensures opening of the chamber when the base circle of the cam is next reached. <IMAGE>

IPC 1-7
F01L 1/24

IPC 8 full level
F01L 1/18 (2006.01); **F01L 1/24** (2006.01); **F01L 1/25** (2006.01)

CPC (source: EP)
F01L 1/18 (2013.01); **F01L 1/2405** (2013.01); **F01L 1/25** (2013.01); **F01L 2301/00** (2020.05); **F01L 2303/00** (2020.05)

Citation (search report)
• [XY] EP 0547653 A1 19930623 - GEN MOTORS CORP [US]
• [Y] US 5758613 A 19980602 - EDELMAYER THOMAS C [US], et al
• [Y] US 5622147 A 19970422 - EDELMAYER THOMAS C [US]

Cited by
EP2011974A1; EP1903190A3; US8201533B2; US8001941B2; WO2015197055A1; EP1903190A2; US8056524B2

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 1267046 A1 20021218; EP 1267046 B1 20040915

DOCDB simple family (application)
EP 02254170 A 20020614