

Title (en)  
Hydraulic lash adjuster

Title (de)  
Hydraulisches Spielausgleichelement

Title (fr)  
Dispositif de rattrapage de jeu

Publication  
**EP 1536106 A1 20050601 (EN)**

Application  
**EP 04031081 A 20011126**

Priority  
• EP 01204547 A 20011126  
• US 25551200 P 20001213

Abstract (en)  
A hydraulic lash adjuster (10,100) includes a leak down path (58) and a support land (43) that are substantially cylindrical. The support land is substantially coaxial relative to the leak down path, and at least a portion of the support land is disposed radially opposite the leak down path.  
<IMAGE>

IPC 1-7  
**F01L 1/25**; **F01L 1/245**; **F01L 1/24**

IPC 8 full level  
**F01L 1/24** (2006.01); **F01L 1/245** (2006.01); **F01L 1/25** (2006.01)

CPC (source: EP)  
**F01L 1/2405** (2013.01); **F01L 1/245** (2013.01); **F01L 1/146** (2013.01)

Citation (search report)  
• [X] US 4951619 A 19900828 - SCHAEFFLER GEORG [DE]  
• [X] US 6021751 A 20000208 - SPATH MARK JAMES [US]  
• [X] US 6065435 A 20000523 - SPEIL WALTER [DE], et al  
• [A] EP 0552369 A1 19930728 - NITTAN VALVA [JP]  
• [A] DE 19509052 A1 19960215 - SCHAEFFLER WAE LZLAGER KG [DE]  
• [A] US 5655487 A 19970812 - MAAS GERHARD [DE], et al

Designated contracting state (EPC)  
DE FR GB

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