

Title (en)
Valve train assembly

Title (de)
Ventiltriebanordnung

Title (fr)
Système de distribution à soupapes

Publication
EP 1267044 A3 20030102 (EN)

Application
EP 02254154 A 20020614

Priority
• EP 02254154 A 20020614
• EP 01830398 A 20010615

Abstract (en)
[origin: EP1267044A2] A rocker arm assembly for a valve train includes a hydraulic lash adjuster (6) for accommodating slack in the valve train. There is also a lost-motion connection preferably between the axle of a roller (14) which is operated upon by a cam and the rocker arm (4) itself. Excessive expansion of the lash adjuster (6) will not prevent closing of the valve (11) because the closing movement is accommodated by the lost-motion connection. A spring (22) is provided to maintain the lost-motion connection despite the tendency of the hydraulic lash adjuster (6) to expand. Greater tolerance in the cam base circle radius is allowed, permitting the use of net-shaped cams. <IMAGE>

IPC 1-7
F01L 1/18

IPC 8 full level
F01L 1/18 (2006.01); **F01L 1/22** (2006.01); **F01L 1/24** (2006.01)

CPC (source: EP)
F01L 1/182 (2013.01); **F01L 1/185** (2013.01); **F01L 1/22** (2013.01); **F01L 1/2405** (2013.01); **F01L 2303/00** (2020.05); **F01L 2305/00** (2020.05)

Citation (search report)
• [A] US 5584267 A 19961217 - MUIR DARRYL J [US]
• [A] US 5669342 A 19970923 - SPEIL WALTER [DE]
• [A] EP 0889206 A1 19990107 - UNISIA JECS CORP [JP]
• [A] US 5022361 A 19910611 - SCHUT JAN [LU]
• [A] US 6021751 A 20000208 - SPATH MARK JAMES [US]

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1267044 A2 20021218; EP 1267044 A3 20030102; EP 1267044 B1 20050810

DOCDB simple family (application)
EP 02254154 A 20020614