

Title (en)
HYDRAULIC TAPPET FOR DIRECT-ACTING VALVE GEAR

Publication
EP 0030781 B1 19891213 (EN)

Application
EP 80302755 A 19800811

Priority
US 10068979 A 19791205

Abstract (en)
[origin: EP0030781A1] A hydraulic lash adjusting tappet (10) for use in engine valve gear of the direct acting type having one end of the tappet contacting the end of the combustion chamber valve stem 26 and the other end contacting the cam-shaft lobe 16, the tappet has the body 40 formed with a tubular wall portion 42 having an inwardly extending web portion 44 intermediate the ends thereof with a tubular hub 46 disposed therewithin formed integrally with the web and extending axially therefrom. A cam face disc member 18 is attached about the periphery thereof to one end of the tubular wall. A plunger means 50 is slidably received in the tubular hub and includes a piston 64 slidable therein forming a high pressure chamber 86 within the plunger remote from the cam face and having therein one-way valve means for admitting fluid to the chamber for lash adjustment. An annular retainer 56 is received over the outward end of the hub and a passage 84 is provided through the tubular wall portion for communicating fluid to the reservoir.

IPC 1-7
F01L 1/24

IPC 8 full level
F01L 1/24 (2006.01); **F01L 1/14** (2006.01); **F01L 1/25** (2006.01)

CPC (source: EP)
F01L 1/25 (2013.01)

Cited by
EP0055399A1; DE3409236A1; DE19681469B4; DE4015719A1; EP0145445A3; EP0085373A1; EP0212162A1; US4745889A; EP0179323A1; US5727509A; US5890463A; US4610225A; DE3412175A1; FR2562157A1; WO0036293A1; WO9742401A1; WO2013117374A1; WO9618806A1; WO0034645A1; EP0405383B1; EP0272423B1; EP0090105B1

Designated contracting state (EPC)
DE IT

DOCDB simple family (publication)
EP 0030781 A1 19810624; EP 0030781 B1 19891213; BR 8005733 A 19810609; DE 3072169 D1 19900118; JP H0120286 B2 19890414; JP S5683508 A 19810708

DOCDB simple family (application)
EP 80302755 A 19800811; BR 8005733 A 19800909; DE 3072169 T 19800811; JP 11785480 A 19800828