

Title (en)
Self-contained hydraulic bucket lifter.

Title (de)
Hydraulischer Ventilstößel.

Title (fr)
Poussoir de soupape hydraulique.

Publication
EP 0267631 A1 19880518 (EN)

Application
EP 87117053 A 19841205

Priority
US 55912783 A 19831207

Abstract (en)
A hydraulic lash adjusting tappet (10) for use in engine valve gear of the direct-acting type have one end of the tappet contacting the end (26) of the combustion chamber valve stem (22) and the other end contacting the camshaft lobe (16). The tappet has a body (34) formed with a tubular wall portion (36) having one end thereof closed by an end wall (38) and with a tubular hub (40) therewithin formed integrally with the end wall and extending axially therefrom. A lash adjuster assembly (44) is slidably received in the tubular hub which defines a reaction surface (50) remote from the cam face reaction surface (18) defined by the end wall. A seal (88) defines an expansible closed fluid reservoir (114) in combination with the body and includes a compliant diaphragm (90) carried about the outer circumferential portion (92) thereof by said body and a sleeve cap (52) insert-molded within the inner circumferential portion (110) of the diaphragm to provide a central portion (104) wear surface interposed, in application, between the lash adjuster reaction surface and the valve stem.

IPC 1-7
F01L 1/24

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

CPC (source: EP)
F01L 1/25 (2013.01); **F01L 2309/00** (2020.05)

Citation (search report)
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• [A] US 3495577 A 19700217 - COLLINS CLIFFORD H
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• [A] DE 3219530 A1 19831201 - TEVES GMBH ALFRED [DE]
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EP0490426A1; GB2237858A; US5022361A; EP0405156A1; US5129372A

Designated contracting state (EPC)
DE FR IT

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EP 0267631 A1 19880518; EP 0267631 B1 19910717; DE 3477224 D1 19890420; DE 3484823 D1 19910822; EP 0145445 A2 19850619; EP 0145445 A3 19860226; EP 0145445 B1 19890315; JP S60138216 A 19850722

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