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EUROPEAN PATENT APPLICATION

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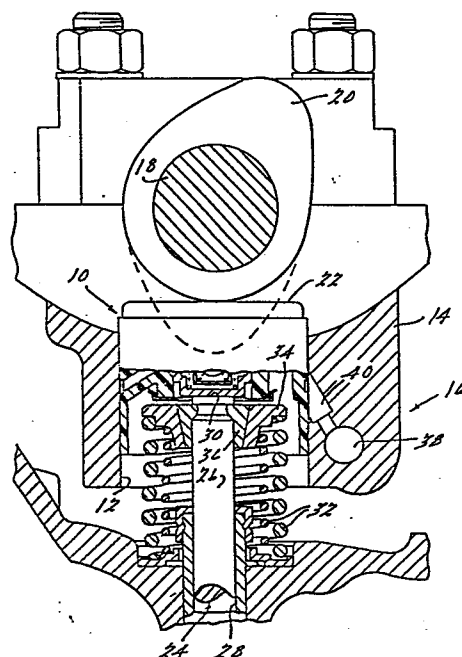
⑥④ Designated Contracting States: **DE FR GB IT**

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⑤④ **Lash adjuster with embedded wear face.**

⑤⑦ A bucket tappet (10) is provided for direct-acting valve gear having a molded body portion (46) formed of a light-weight material, preferably plastic, having a thermal expansion suitable for use in an aluminum engine head. The body of the tappet includes a tubular wall (48), an inner tubular hub (52), and a transverse end wall (50) joining and supporting the hub within the outer tubular wall. The body of the tappet has a cam face member (54) formed of hardened material, preferably steel or iron-based, embedded therein for providing a cam contacting surface (22). A hydraulic lash adjusting piston/plunger assembly (64) formed of steel is received within the tubular hub. Leakdown control surfaces (70) within the lash adjuster are formed on the mating interfaces between the steel piston (72) and plunger (66).





European Patent
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EUROPEAN SEARCH REPORT

0140674

Application number

EP 84 30 7313

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
Y	EP-A-0 030 780 (EATON) * Claims 1-13 *	1	F 01 L 1/24 F 02 F 7/00
A		2-6	
Y	FR-A-2 129 420 (CIGALA) * Figure 1; page 4, lines 1-31 *	1	
A		2-12	
A	DE-C- 928 744 (ROBIG) * Figures 1,2; page 2, lines 1-115 *	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
			F 01 L F 02 F
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 14-02-1986	Examiner WASSENAAR G.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	