

12 **EUROPEAN PATENT APPLICATION**

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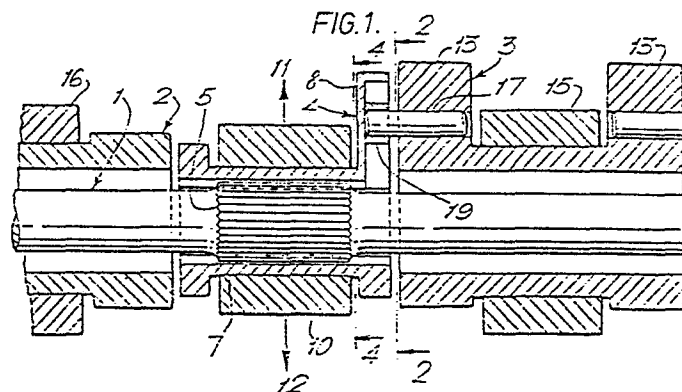
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54 **Variable valve timing mechanism.**

57 A variable valve timing mechanism uses the known principle of an eccentric drive to the camshafts 2, 3. The drive is by means of a shaft 1 which extends through the sleeves and can be moved by means of a bearing 11 in a translational sense with respect to the axes of rotation to the cams. The shaft 1 has

lateral projections 8, 9 which couple to the cam lobes.

When the shaft is moved in the direction of arrows 11 or 12 the eccentricity of the drive to the cams is varied and the valve timing is altered.





EP 85 30 6982

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)
D,Y	GB-A-2 066 361 (NATIONAL RESEARCH DEVELOPMENT) * Page 3, line 33 - page 4, line 41 *	1	F 01 L 1/34
D,A	* Figures 1-6 * ---	2,3,5,7	
Y	FR-A-2 261 413 (BAGUENA) * Page 1, line 43 - page 2, line 14 *	1	
A	* Figures 1-3 * -----	7,8	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
			F 01 L
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 12-01-1987	Examiner LEFEBVRE L.J.F.

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