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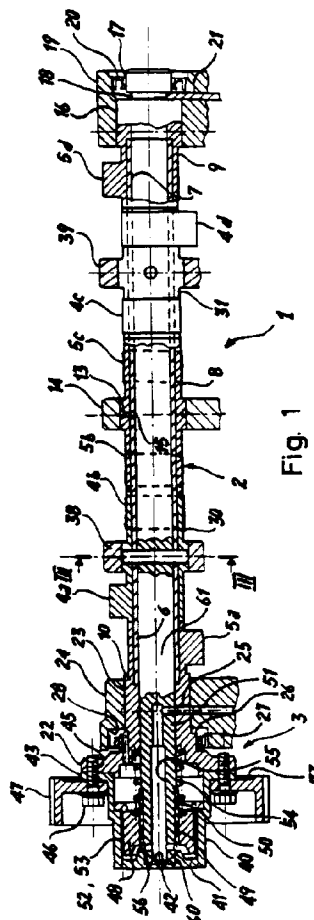
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(54) **A single shaft timing system, particularly for internal combustion engines**

(57) The timing system (1) described comprises a unitary, tubular camshaft (2) and a phase variator (3) operatively associated therewith for varying the phase angle between first and second sets of cams (41a-d; 5a-d) of the shaft (2); the cams of the second set and of the first set are fixed for rotation with the camshaft and with an operating shaft (51) of the variator (3), respectively, so that a variation of the phase angle between the cams of the sets (4a-d; 5a-d) is brought about as a result of the active operation of the variator (3).



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EUROPEAN SEARCH REPORT

Application Number
EP 95 20 1083

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.6)
X	EP-A-0 254 058 (SÜDDEUTSCHE KOLBENBOLZENFABRIK GMBH) * the whole document *	1,2,12,13	F01L1/344
X	EP-A-0 582 846 (BAYERISCHE MOTOREN WERKE AG) * the whole document *	1,2,12-14	
A,P	EP-A-0 643 200 (REGIE NATIONALE DES USINES RENAULT) * the whole document *	1	
A	GB-A-767 645 (MARTIN)		
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.6) F01L
Place of search THE HAGUE		Date of completion of the search 12 February 1996	Examiner Klinger, T
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			

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