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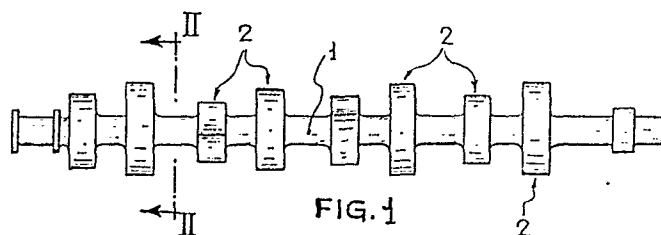
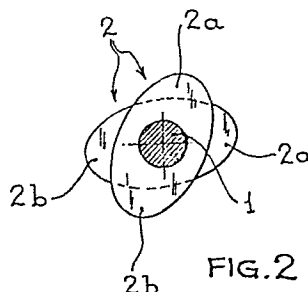
71 Applicant: **Piedrafita Martin, Julian**
Ayala 81
E-28006 Madrid(ES)

72 Inventor: **Piedrafita Martin, Julian**
Ayala 81
E-28006 Madrid(ES)

74 Representative: **Garcia Cabrerizo, Francisco**
OFICINA GARCIA CABRERIZO Vitruvio 23
E-28006 Madrid(ES)

54 **An improved cam-shaft.**

57 An improved camshaft forming a type of valve timing system that can be used with all the four cycle combustion internal engines, the so-called Otto engines, in which each of the cams (2) extends in an identical one, symmetrical and positioned at 180 degrees with relation to the former, resulting that the number of cams is twice the number of cams foreseen in a conventional shaft, and the number of revolutions is half of the required ones for the latter to get the same purpose.





European Patent
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EUROPEAN SEARCH REPORT

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Application Number

EP 87 50 0013

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)
X	FR-A-2 232 223 (RYKACZEWSKI) * Page 1, lines 1,2,8,9; page 2, lines 1-15; figures 1-3 * ---	1	F 01 L 1/04 F 01 L 1/08
X	US-A-1 443 715 (PERAZA) * Page 1, lines 36-38; figure * ---	1	
X	DE-C- 90 915 (AUDIN) * Page 2, lines 49-68; figures 6,7,10-13 * -----	1	
			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 26-11-1987	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	