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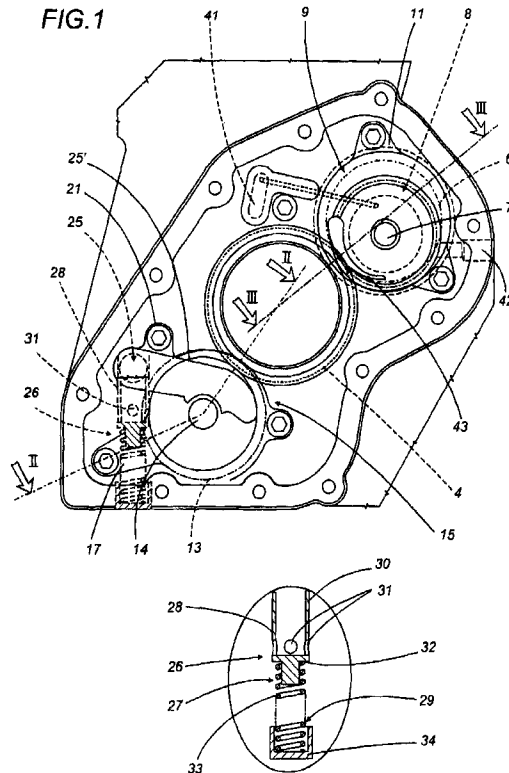
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(54) An engine structure for internal combustion engines

(57) A structure for an internal combustion engine comprises an engine block (1), a crankshaft (2), auxiliary means comprising means (9) for creating suction and means (15) for distributing lubricating fluid under pressure. The crankshaft (2) has keyed to it a first gear wheel (3) consisting of cup gear that meshes with a second gear wheel (6) which directly drives the means (9) for creating suction and with a third gear wheel (13) which drives the means (15) for distributing lubricating fluid under pressure. The engine block (1) also has hollows (10, 16) used to house the auxiliary means (9, 15).

FIG. 1



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EUROPEAN SEARCH REPORT

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EP 98 83 0316

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)
A	DE 31 42 458 A (LIST HANS) 9 June 1982 * figure 1 * * abstract * * page 6, paragraph 2 * ---	1-4	F01M1/02 F02F7/00
A	EP 0 272 677 A (FIAT AUTO SPA) 29 June 1988 * figure 1 * * abstract * * column 2, line 16 - line 37 * ---	1,5	
A	GB 807 325 A (FIAT) * figure 3 * * page 1, line 71 - line 90 * ---	1-4	
A	PATENT ABSTRACTS OF JAPAN vol. 013, no. 177 (M-818), 26 April 1989 & JP 01 008314 A (AISIN SEIKI CO LTD;OTHERS: 01), 12 January 1989 * abstract * ---	1-5	
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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 15 April 1999	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	

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