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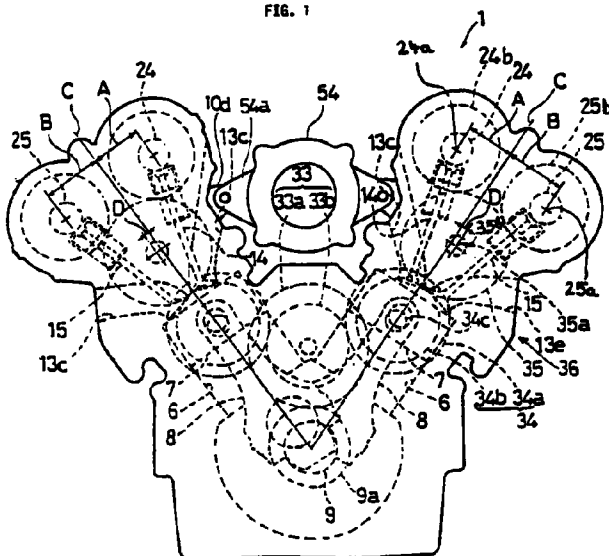
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(54) Internal combustion engine

(57) This invention concerns internal combustion engines of the V-type comprising a cylinder block (2) having a pair of cylinder banks disposed in a V-bank arrangement with at least one cylinder bore (6) defined in each cylinder bank, a cylinder head (4) attached to each of the said cylinder banks and a pair of intake and exhaust camshafts (24,25) rotatably supported in each of said cylinder heads for actuating a plurality of intake valves (14) and exhaust valves (15) respectively. The engine has

been improved in that the distance (B) of the axis of the exhaust camshaft from a centre plane (C) containing the cylinder axis of the respective cylinder bank and the axis of the crankshaft (9) is larger than the distance (A) of the respective intake camshaft (24) from the said centre plane (C), said intake camshafts (24) being disposed at the sides of the cylinder heads (4) facing V-space between the cylinder banks.

FIG. 1



EP 0 691 457 A3



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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.5)
Y	US-A-4 592 314 (YAMAHA) * figure 2 * ---	1,2,6,8, 12,13	F01L1/26 F01L1/14 F01L1/04 F01L1/02
Y	GB-A-2 128 679 (HONDA) * the whole document * ---	1,2,6,8, 12,13	F01L3/10 F02F1/38 F02F7/00 F02F1/42
A	PATENT ABSTRACTS OF JAPAN vol. 8, no. 195 (M-323) 7 September 1984 & JP-A-59 085 405 (HONDA GIKEN KOGYO KK.) * abstract * * figure * ---	2-5,13	
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A	US-A-4 615 309 (YAMAHA) * column 1, line 43 - line 61 * * column 3, line 45 - line 59 * * column 4, line 10 - line 25; figures 1,4 * --- -/--	8,9,13, 14	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 15 December 1995	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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