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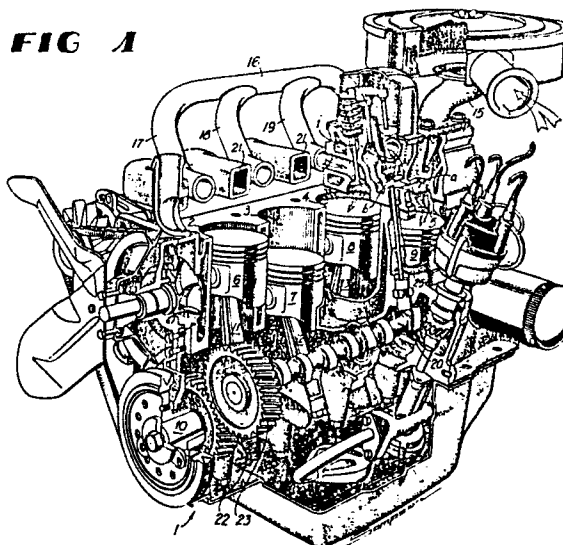
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54 **Internal combustion engine.**

57 The disclosure concerne a method of deriving mechanical work from a combustion gas in an internal combustion engine and reciprocating internal combustion engines for carrying out the method. The method includes the steps of compressing an air charge at least partially in a compressor of the engine, transferring the compressed charge to a power chamber of the engine such that no appreciable drop in charge pressure occurs during transfer and admission to the power chamber, causing a predetermined quantity to produce a combustible mixture, causing the mixture to be ignited at substantially maximum pressure within the power chamber and allowing the combustion gas to expand against a piston operable in the power chamber substantially beyond its initial volume.

FIG 1





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EUROPEAN SEARCH REPORT

0057591

Application number

EP 82 30 0475

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. ³)
Y,A	US-A-2 545 793 (H.R. RICARDO) * Whole document *	1,2,5, 6,7,9	F 02 B 33/22 F 02 B 33/00
Y,A	--- US-A-4 210 109 (Y. NAKAJIMA et al.) * Whole document *	1,2,4, 7,8,9, 11	
A	--- US-A-1 679 958 (E.R. BURTNETT) * Claim 1; figure 1 *	20	
A	--- US-A-4 202 300 (F. SKAY)		
A	--- US-A-1 955 976 (H.P. RASMUSSEN)		
A	--- US-A-4 084 556 (T.R. VILLELLA)		TECHNICAL FIELDS SEARCHED (Int. Cl. ³) F 02 B 33/00
P,A	--- GB-A-2 071 210 (B. KALTENEGGER)		
D,A	--- US-A-3 408 811 (J.D. WISHART) -----		
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 29-07-1983	Examiner CANNICI B.S.E.
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	