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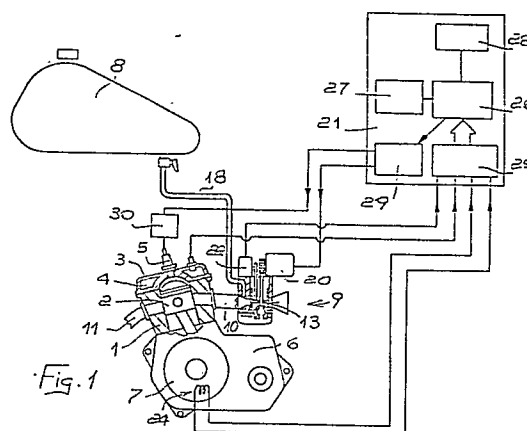
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(54) **Controlled feed and ignition apparatus for internal combustion engines.**

(57) The controlled feed and ignition device for internal combustion engines comprises a carburettor having an air feed duct equipped with a controllable regulator valve and having a reduced section, into which leads a flooded fuel feed duct from a constant level chamber, in which there is present a device for varying the flow cross-section of the fuel feed duct, an electronically controllable ignition device and an electronic control unit, adapted for governing the device for varying the flow cross-section of the fuel feed duct as a function of instantaneous operating data about the engine supplied to it from relative sensors, the electronic control unit being moreover adapted for acting upon the ignition device for regulating the spark advance value for the engine ignition, as a function of said instantaneous data supplied from the sensors, for setting optimum operating conditions for said engine.





EP 88 20 1325

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)
A	FR-A-2 449 792 (TELEDYNE INDUSTRIES INC.) * Figures 1-3; page 4, line 1 - page 5, line 5; page 5, line 35 - page 7, line 24; page 9, line 13 - page 10, line 17 *	1-3	F 02 D 37/02 F 02 D 35/00 F 02 P 5/04 F 02 M 7/20
A	DE-B-1 119 593 (R. BOSCH) * Figure 1; column 1, line 44 - column 2, line 29; column 3, line 59 - column 4, line 22 *	1,2	
A	FR-A-2 296 761 (THE ZENITH CARBURETTER CO. LTD)		
A	GB-A-2 162 897 (FUJI JUKOGYO K.K.)		
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			F 02 D F 02 P F 02 M
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 01-01-1989	Examiner LEROY C.P.
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	