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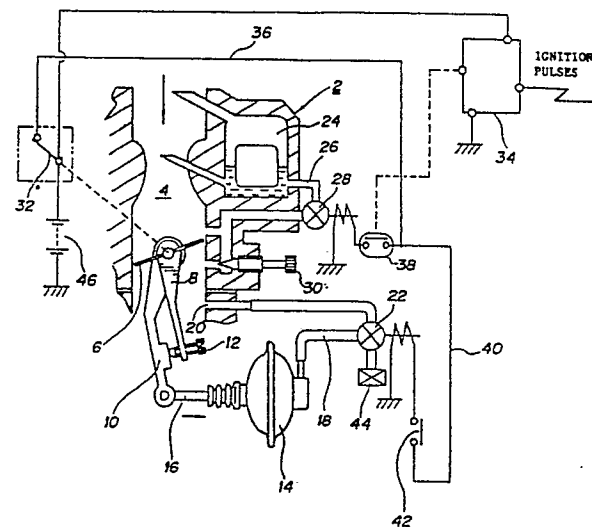
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(54) **Idling-up Controller.**

(57) An idling-up control constituted by an idling-up control mechanism for moving a throttle valve (6) of a carburetor to a predetermined idling-up position by means of an actuator (14), and a fuel-cut mechanism having a fuel-cut valve (28) disposed at an intermediate portion of a slow-system passage (26) of the carburetor. The fuel-cut mechanism shuts off the supply of fuel by using a throttle-opening switch (32) when the rotational speed of the engine is reduced. The idling-up controller is provided with a first conductor (36) for effecting fuel-cut operation which connects the fuel-cut valve (28) of the fuel-cut mechanism and the throttle-opening switch (32) to each other, and a second conductor (40) for effecting idling-up operation which has an electromagnetic valve (22) for operating the actuator (14) and which is connected to the first conductor (36).

FIG. 1



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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)
Y	PATENT ABSTRACTS OF JAPAN, vol. 7, no. 279 (M-262)[1424], 13th December 1983; & JP-A-58 155 257 (TOYOTA JIDOSHA KOGYO K.K.) 14-09-1983 * Abstract *	1	F 02 M 3/07 F 02 M 3/045
Y	US-A-4 008 696 (T. HISATOMI) * Abstract; figures 1,3a; column 3, lines 8-17; column 4, lines 3-17,24-29; column 5, lines 7-29 *	1	
A	PATENT ABSTRACTS OF JAPAN, vol. 6, no. 213 (M-167)[1091], 26th October 1982; & JP-A-57 119 149 (SUZUKI JIDOSHA KOGYO K.K.) 24-07-1982 * Abstract *	1	
A	FR-A-2 293 598 (D.B.A.) * Page 5, lines 15-40; page 6, lines 11-32 *	1	
A	PATENT ABSTRACTS OF JAPAN, vol. 10, no. 153 (M-484)[2209], 3rd June 1986; & JP-A-61 8452 (TOYOTA JIDOSHA K.K.) 16-01-1986 * Abstract *	1	TECHNICAL FIELDS SEARCHED (Int. Cl.4) F 02 M
A	US-A-4 060 063 (HIRASAWA) * Abstract; column 4, lines 60-68; column 5, lines 1-22 *	1,2	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 23-02-1989	Examiner JORIS J.C.
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	