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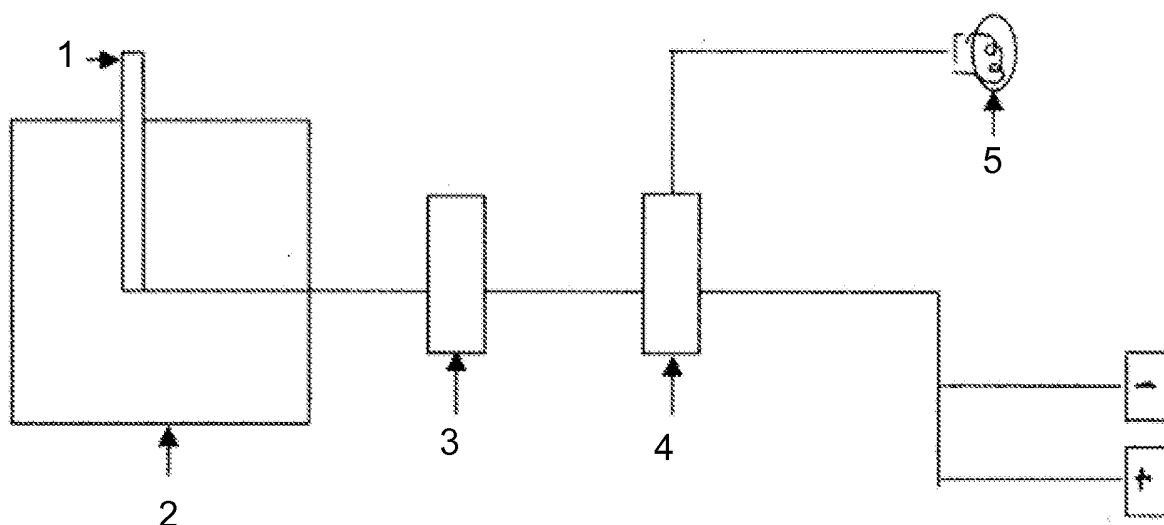
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(54) **Engine protection system**

(57) This invention relates to Engine protection system which comprises at least one float sensor, auxiliary coolant tank, a relay, Fuel Injection Pump (FIP) solenoid switch and coolant level warning indicator wherein said float sensor is provided on an auxiliary coolant tank to sense the level of coolant inside the said tank. Said auxiliary coolant tank is provided to maintain sufficient coolant level inside the radiator. When coolant level inside

the said auxiliary coolant tank drops beyond the specified safe limit then float unit of said float sensor moves down and completes the electrical circuit, because of which the FIP solenoid switch will cut off the diesel supply to the engine. After this even though the engine gets cranked but it will not start unless the level of coolant in a said tank resumes to the normal level. According to another embodiment the said FIP solenoid switch of diesel engine is replaced with electronic control unit for petrol engine.

**Fig. 1**



**PARTIAL EUROPEAN SEARCH REPORT**

Application Number

which under Rule 63 of the European Patent Convention EP 08 16 0709 shall be considered, for the purposes of subsequent proceedings, as the European search report

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 3 964 567 A (MCGINTY OTTO WAYNE) 22 June 1976 (1976-06-22)	1-2,6-9	INV. F02D41/22 F02F7/00 F01P11/18
Y	* column 1, line 6 - column 2, line 6 * * column 2, line 23 - line 29 * * column 3, line 45 - column 4, line 4 * * figure 2 *	3-5	
Y	GB 1 427 343 A (JOHN CHARLES FORD) 10 March 1976 (1976-03-10) * the whole document *	3	
Y	DE 43 17 788 A1 (BAYERISCHE MOTOREN WERKE AG [DE]) 1 December 1994 (1994-12-01) * figures 2a,2b *	4	
Y	US 2004/025813 A1 (SASANO NORIHISA [JP] ET AL) 12 February 2004 (2004-02-12) * figure 4 *	5	
			TECHNICAL FIELDS SEARCHED (IPC)
			F01P F02D
<b>INCOMPLETE SEARCH</b>			
<p>The Search Division considers that the present application, or one or more of its claims, does/do not comply with the EPC to such an extent that a meaningful search into the state of the art cannot be carried out, or can only be carried out partially, for these claims.</p> <p>Claims searched completely :</p> <p>Claims searched incompletely :</p> <p>Claims not searched :</p> <p>Reason for the limitation of the search:</p> <p>see sheet C</p>			
Place of search		Date of completion of the search	Examiner
Munich		11 December 2009	Wettemann, Mark
CATEGORY OF CITED DOCUMENTS		<p>T : theory or principle underlying the invention</p> <p>E : earlier patent document, but published on, or after the filing date</p> <p>D : document cited in the application</p> <p>L : document cited for other reasons</p> <p>&amp; : member of the same patent family, corresponding document</p>	
<p>X : particularly relevant if taken alone</p> <p>Y : particularly relevant if combined with another document of the same category</p> <p>A : technological background</p> <p>O : non-written disclosure</p> <p>P : intermediate document</p>			

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**INCOMPLETE SEARCH  
SHEET C**

Application Number  
EP 08 16 0709

Claim(s) completely searchable:  
1-9

Claim(s) not searched:  
10

Reason for the limitation of the search:

Claim 10 has not been search as claim 10 contains no searchable technical features (Art. 84 and Rule 43 (6) EPC).

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 08 16 0709

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
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11-12-2009

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82