

Title (en)
Engine protection system

Title (de)
Schutzsystem für eine Brennkraftmaschine

Title (fr)
Système de protection pour un moteur à combustion interne

Publication
EP 2037110 A2 20090318 (EN)

Application
EP 08160709 A 20080718

Priority
IN 1773MU2007 A 20070914

Abstract (en)
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.

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Cited by
CN102720594A; FR3052185A1; US10365146B2; US9726069B2; US10513967B2; WO2017212134A1; US9458759B2; US9719409B2; US10100713B2; US10648397B2; US11041430B2

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