

Title (en)
COOLING SYSTEM FOR AN ENGINE DISPOSED WITHIN AN ENGINE ROOM

Title (de)
KÜHLSYSTEM FÜR EINEN IN EINEM MASCHINENRAUM ANGEORDNETEN VERBRENNUNGSMOTOR

Title (fr)
SYSTÈME DE REFROIDISSEMENT POUR UN MOTEUR DISPOSÉ À L'INTÉRIEUR D'UN COMPARTIMENT MOTEUR

Publication
EP 3130776 B1 20180530 (EN)

Application
EP 15002381 A 20150811

Priority
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Abstract (en)
[origin: EP3130776A1] A cooling system (200) for an engine (106) disposed within an engine room (104) includes a first cooling circuit (202) associated with an intercooler (206) of the engine (106), and a second cooling circuit (208) associated with a cooling jacket (214) of the engine (106). The cooling system (200) further includes a first connecting conduit (222) fluidly connecting the first cooling circuit (202) and the second cooling circuit (208), and a diverter valve (224) disposed in the first connecting conduit (222). The diverter valve (224) is configured to control a flow of cooling fluid from the second cooling circuit (208) to the first cooling circuit (202). The cooling system (200) further includes a controller (226) communicably coupled to the diverter valve (224). The controller (226) is configured to regulate the diverter valve (224) to allow a flow of cooling fluid from the second cooling circuit (208) to the first cooling circuit (202) based on at least one of air temperature (T1) in the engine room (104) and ambient air temperature (T).

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