

Title (en)  
CONTROLLABLE COOLING SYSTEM FOR A MOTOR VEHICLE, COOLANT PUMP THEREFOR, IMPELLER FOR USE IN THE COOLANT PUMP, AND METHOD FOR CONTROLLING A COOLANT FLOW IN SUCH A COOLING SYSTEM

Title (de)  
REGELBARES KÜHLSYSTEM FÜR EIN KRAFTFAHRZEUG, KÜHLMITTELPUMPE HIERFÜR, IN DER KÜHLMITTELPUMPE VERWENDBARES FLÜGELRAD SOWIE VERFAHREN ZUM REGELN EINES KÜHLMITTELFLOSSES IN EINEM DERARTIGEN KÜHLSYSTEM

Title (fr)  
SYSTÈME DE REFROIDISSEMENT RÉGLABLE POUR VÉHICULE AUTOMOBILE, POMPE DE LIQUIDE DE REFROIDISSEMENT APPROPRIÉE, ROUE À AILETTES S'UTILISANT DANS LADITE POMPE DE LIQUIDE DE REFROIDISSEMENT ET PROCÉDÉ POUR RÉGULER UN FLUX DE LIQUIDE DE REFROIDISSEMENT DANS UN SYSTÈME DE REFROIDISSEMENT DE CE TYPE

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Abstract (en)  
[origin: WO2012119622A2] The invention relates to a controllable cooling system (1) for a motor vehicle comprising a coolant circuit, which delivers a coolant to an internal combustion engine and draws off coolant therefrom, as well as a mechanically operated controllable main coolant pump (3) and an electrically operated controllable secondary coolant pump (5). The cooling system further comprises a control device which controls the main coolant pump (3) and the secondary coolant pump (5) on the basis of operating states of the internal combustion engine. The invention further provides an electrically operated controllable secondary coolant pump (5) for such a cooling system (1), an impeller (25) which can be used in said secondary coolant pump (5) and a method for controlling the coolant flow in a such cooling system (1).

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