

Title (en)  
COOLING SYSTEM

Title (de)  
KÜHLSYSTEM

Title (fr)  
SYSTÈME DE REFROIDISSEMENT

Publication  
**EP 3583369 A1 20191225 (DE)**

Application  
**EP 18716152 A 20180327**

Priority

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Abstract (en)

[origin: WO2018184908A1] The invention relates to a cooling system with water guided in the circuit as the heat transport medium, comprising a heat application device, a heat exchanger (1), an unpressurized water container and a piping arrangement with at least one circulation pump. The heat exchanger (1) comprises on its one, first end region (7) an input manifold (14) and an output manifold (15) and at its other, opposite second end region (8) a deflection manifold (17). The input manifold (14) and the output manifold (15) are arranged in a V-shape. The deflection manifold (17) comprises two branches (18, 19) arranged in a V-shape and a connecting branch (20) connecting these branches together at the upper end of each. A first piping arrangement (21) extends rising in the direction of flow between the input manifold (14) and the first branch (18) of the deflection manifold (17), and a second piping arrangement (22) extends falling in the direction of flow between the second branch (19) of the deflection manifold (17) and the output manifold (15). An open ventilation line extends between the water container and the connecting branch (20) of the deflection manifold (17) through which fluid can flow from the deflection manifold to the water container in cooling operation.

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