

Title (en)

INSTALLATION CONSISTING IN AN ELECTRICAL CABINET, A MACHINE COMPARTMENT OR SIMILAR, AND A COOLING SYSTEM

Title (de)

ANORDNUNG AUS EINEM SCHALTSCHRANK, EINEM MASCHINENGEGÄUSE ODER DGL. UND EINER RÜCKKÜHLANLAGE

Title (fr)

DISPOSITIF COMPOSÉ D'UNE ARMOIRE ÉLECTRIQUE, D'UN COMPARTIMENT MOTEUR OU SIMILAIRE, ET D'UNE INSTALLATION DE REFROIDISSEMENT

Publication

EP 1613899 B1 20120125 (DE)

Application

EP 04708354 A 20040205

Priority

- EP 2004001037 W 20040205
- DE 10316045 A 20030407

Abstract (en)

[origin: WO2004090430A1] The invention relates to a recirculation cooling system comprising a refrigeration circuit, a water circuit, a tank and a pump, the evaporator of the refrigeration circuit being allocated to the water circuit in order to exchange heat. All components are contained in a housing. The aim of the invention is to provide a recirculation cooling system that can be positioned in a space-saving manner and is readily accessible for maintenance. To achieve this: the rear wall of the housing is positioned against and fixed to a vertical side panel of, for example, a switchgear cabinet, a machine housing or a wall; the interior of the housing is sub-divided into two sub-chambers by a partition, one sub-chamber being situated between the side panel and the partition and the second sub-chamber being situated between the partition and the front face of the housing; the condenser and the ventilator are located in the sub-chamber allocated to the front face of the housing and the tank and pump are located in the rear sub-chamber; and the respective sub-chambers can be accessed from the respective allocated face of the housing.

IPC 8 full level

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WO 2004090430 A1 20041021; CN 1764808 A 20060426; CN 1764808 B 20100505; DE 10316045 A1 20041118; DE 10316045 B4 20081127; EP 1613899 A1 20060111; EP 1613899 B1 20120125; JP 2006522302 A 20060928; US 2007000280 A1 20070104; US 7437887 B2 20081021

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