Title (en)

ELECTRICAL COMPONENT COOLING DEVICE, AND AIR CONDITIONING SYSTEM OUTDOOR UNIT EQUIPPED WITH SAME

Title (de)

VORRICHTUNG ZUR KÜHLUNG ELEKTRISCHER BAUELEMENTE UND AUSSENEINHEIT EINES KLIMAANLAGENSYSTEMS DAMIT

Title (fr)

DISPOSITIF DE REFROIDISSEMENT D'ÉLÉMENT ÉLECTRIQUE, ET UNITÉ EXTÉRIEURE DE SYSTÈME DE CLIMATISATION COMPRENANT LEDIT DISPOSITIF DE REFROIDISSEMENT D'ÉLÉMENT ÉLECTRIQUE

Publication

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Application

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Abstract (en)

The present invention prevents an electrical component from being adversely affected by dew water and also prevents a coolant from absorbing heat other than heat from a cooling target when a heat-generating electrical component is cooled using the cooling heat of a coolant flowing through a coolant circuit. An electrical component cooling device (11A) comprises: coolant piping (28) that constitutes a coolant system of an outdoor unit; a heat sink (25) through the inside of which the coolant piping (28) extends and to a surface of which cooling heat of a coolant flowing through the coolant piping (28) is transmitted; electrical component fixing parts (25a, 25b) that are provided on the surface of the heat sink (25) and that fix in place electrical components (21, 22) having heat generating properties; and a heat insulation member (35a) that is provided so as to cover the surface of the heat sink (25) other than the areas where the electrical component fixing parts (25a, 25b) are located

IPC 8 full level

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