

Title (en)

Free cooling chiller

Title (de)

Kühler mit freier Kühlung

Title (fr)

Réfrigérant à refroidissement naturel

Publication

EP 1855070 A2 20071114 (EN)

Application

EP 07009535 A 20070511

Priority

IT PD20060186 A 20060512

Abstract (en)

Free cooling chiller (1) comprising a primary circuit (2) of a refrigerating plant, provided with an evaporator (6), a condenser group (5) and a compressor (4) and able to perform heat exchange by means of the evaporator (6) with a secondary circuit (3) for transferring refrigerating power to user appliances. The secondary circuit (3) is provided with a return line (10) intercepted by a free cooling group (13) and a circuit for bypassing the free cooling group. The chiller (1) is provided with a support structure (14) defining a containing compartment (16) acted on by an air flow produced by a ventilation unit (15). The condenser group (5) and the free cooling group (13), which are intercepted by corresponding gate valves (17,18), communicate via separate sections with the compartment (16).

IPC 8 full level

F25D 17/02 (2006.01)

CPC (source: EP)

F25D 16/00 (2013.01); **F25D 17/02** (2013.01)

Cited by

US2010242532A1; US2018187915A1; US10557643B2; EP2091314A3; EP2503866A3; EP2498025A3; US11022349B2; US11175076B2; WO2011003692A1; US9179580B2; US11506406B2; US11359847B2; US11774154B2; US10739045B2; US11598549B2; US10488061B2; US11199356B2; US11415330B2; US11867426B2; US8199504B2; EP2498024A2; EP2498025A2; EP2503866A2; US8839638B2

Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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