

Title (en)

COOLER ARRANGEMENT FOR AN ELECTRICAL OR EQUIPMENT CABINET HAVING AIR-TO-AIR HEAT EXCHANGER CASSETTES

Title (de)

KÜHLANORDNUNG FÜR EINEN ELEKTRO- ODER GERÄTESCHRANK MIT LUFT-LUFT-WÄRMETAUSCHERKASSETTEN

Title (fr)

SYSTÈME DE REFROIDISSEMENT POUR UNE ARMOIRE ÉLECTRIQUE OU ARMOIRE D'INSTRUMENTS À L'AIDE DE CASSETTES D'ÉCHANGEUR DE CHALEUR AIR-AIR

Publication

EP 2335462 A1 20110622 (DE)

Application

EP 09778338 A 20090904

Priority

- EP 2009006433 W 20090904
- DE 102008050778 A 20081008

Abstract (en)

[origin: WO2010040432A1] The invention relates to a cooler arrangement (12) for an electrical or equipment cabinet (1) comprising a functional space (4) having a cross-sectional area elongated along a longitudinal axis (9), wherein devices and/or equipment generating heat during operation are disposed or can be disposed in the functional space (4), wherein the cooler arrangement (12) comprises a mounting arrangement (11), the longitudinal axis (27) thereof corresponding to the cross-sectional area, comprising a plurality of receptacles (13, 14) for alternatively receiving a closure element (47) or an air-to-air heat exchanger cassette (15, 16), wherein the air-to-air heat exchanger cassettes (15, 16) are designed such that a first fluid flow (25, 26) through the corresponding air-to-air heat exchanger cassette (15, 16) and connected to the functional space (4), and a second fluid flow (28, 29) separated from the first fluid flow (25, 26) and connected to the air surrounding the electrical or equipment cabinet (1), are formed during operation of the cooler arrangement (12) in each of the air-to-air heat exchanger cassettes (15, 16) disposed in one of the plurality of receptacles (13, 14), wherein two of the plurality of receptacles (13, 14) are designed so that the air-to-air heat exchanger cassettes (15, 16) disposed in said receptacles (13, 14) comprise outlet and/or inlet openings (22, 23) for each of the first fluid flows (25, 26) at a distance from each other along the longitudinal axis (27).

IPC 8 full level

H05K 7/20 (2006.01); **H02B 1/56** (2006.01)

CPC (source: EP US)

H05K 7/206 (2013.01 - EP US)

Citation (search report)

See references of WO 2010040432A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

WO 2010040432 A1 20100415; DE 102008050778 A1 20100422; DE 102008050778 B4 20110120; DE 102008050778 B9 20110616; EP 2335462 A1 20110622; US 2011198062 A1 20110818

DOCDB simple family (application)

EP 2009006433 W 20090904; DE 102008050778 A 20081008; EP 09778338 A 20090904; US 200913123471 A 20090904