

Title (en)

COOLING DEVICE FOR A SWITCHGEAR CABINET

Title (de)

KÜHLGERÄT FÜR EINEN SCHALTSCHRANK

Title (fr)

APPAREIL DE REFROIDISSEMENT DESTINE A UNE ARMOIRE ELECTRIQUE

Publication

**EP 1269810 A1 20030102 (DE)**

Application

**EP 01915344 A 20010315**

Priority

- DE 10013039 A 20000317
- EP 0102927 W 20010315

Abstract (en)

[origin: DE10013039A1] The invention relates to a cooling device for a switchgear cabinet, comprising a cooling circuit which has a compressor, an evaporator and a condenser. A respective fan is allocated to the evaporator and the condenser, whereby the evaporator fan supplies the air contained in the switchgear cabinet to the evaporator and the condenser fan feeds the ambient air to the condenser and whereby the compressor conveys the coolant that is contained in the cooling circuit. In order to ensure that the cooling device operates according to requirements, the invention is characterised in that the compressor is connected to a control unit via a signalling link, a temperature sensor, located in the interior of the switchgear cabinet, is allocated to the control unit and that the control unit has a control circuit which regulates the output of the compressor that deviates from zero, via the signalling link, based on the temperature measured by the temperature sensor.

IPC 1-7

**H05K 7/20**; **H02B 1/56**

IPC 8 full level

**F25B 1/00** (2006.01); **F25B 49/02** (2006.01); **F25D 17/06** (2006.01); **H02B 1/56** (2006.01); **H05K 7/20** (2006.01)

CPC (source: EP)

**F25B 49/025** (2013.01); **H02B 1/565** (2013.01); **H05K 7/20681** (2013.01); **F25B 2600/0253** (2013.01); **F25B 2600/111** (2013.01); **F25B 2700/2104** (2013.01); **Y02B 30/70** (2013.01)

Citation (search report)

See references of WO 0169997A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**DE 10013039 A1 20011004**; CN 1406456 A 20030326; EP 1269810 A1 20030102; JP 2003526934 A 20030909; WO 0169997 A1 20010920

DOCDB simple family (application)

**DE 10013039 A 20000317**; CN 01805832 A 20010315; EP 0102927 W 20010315; EP 01915344 A 20010315; JP 2001566612 A 20010315