

Title (en)

COOLING PLATE FOR A FREQUENCY CONVERTER AND COMPRESSOR USING SAID COOLING PLATE

Title (de)

KÜHLPLATTE FÜR EINEN FREQUENZUMWANDLER UND VERDICHTER MIT DERARTIGER KÜHLPLATTE

Title (fr)

PLAQUE DE REFROIDISSEMENT POUR UN CONVERTISSEUR DE FRÉQUENCE ET COMPRESSEUR UTILISANT LADITE PLAQUE DE REFROIDISSEMENT

Publication

EP 2286646 A1 20110223 (EN)

Application

EP 09742450 A 20090508

Priority

- IB 2009005535 W 20090508
- IT VI20080106 A 20080509

Abstract (en)

[origin: WO2009136277A1] The invention concerns a cooling plate (6; 30) for a frequency converter (4), comprising a surface (6a) suited for coupling with the frequency converter (4) and a duct assembly (10) that develops between an inlet opening (7) and an outlet opening (8; 32), between which it is possible to identify an outflow direction (V) of a cooling fluid along the duct assembly (10). The surface area of the cross section of the duct assembly (10) increases along the outflow direction (V).

IPC 8 full level

F28F 13/08 (2006.01); **H05K 7/20** (2006.01)

CPC (source: EP)

F04C 29/047 (2013.01); **F28D 15/0266** (2013.01); **F28F 3/12** (2013.01); **F28F 7/02** (2013.01); **F28F 13/08** (2013.01); **H05K 7/20927** (2013.01);
F04C 18/16 (2013.01); **F04C 2240/808** (2013.01)

Citation (search report)

See references of WO 2009136277A1

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 TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

WO 2009136277 A1 20091112; CN 102017827 A 20110413; CN 102017827 B 20130807; EP 2286646 A1 20110223;
IT VI20080106 A1 20091110

DOCDB simple family (application)

IB 2009005535 W 20090508; CN 200980116492 A 20090508; EP 09742450 A 20090508; IT VI20080106 A 20080509