

Title (en)

HEATING DEVICE FOR AIR CONDITIONING UNIT FOR AUTOMOTIVE VEHICLE

Title (de)

VERBESSERTE VORRICHTUNG FÜR EINE KLIMAANLAGE FÜR EIN KRAFTFAHRZEUG

Title (fr)

DISPOSITIF DE CHAUFFAGE POUR UNITE DE CLIMATISATION POUR VEHICULE AUTOMOBILE

Publication

EP 3213597 A1 20170906 (FR)

Application

EP 15778338 A 20151012

Priority

- FR 1460307 A 20141027
- EP 2015073567 W 20151012

Abstract (en)

[origin: WO2016066415A1] The present invention relates to a heating device (10) for air conditioning unit (1). It is characterized in that the heating device (10) comprises: - at least one module (11, 12) furnished with a resistive track (110, 120) and with a support (111, 121), said resistive track (110, 120) being adapted to be supplied with a current (i) delivered by a DC electrical supply source (2); - an inverter (13) adapted for: - being connected to said resistive track (10) and to said DC electrical supply source (2); - periodically modifying the direction of said current (i) supplying said resistive track (110, 120).

IPC 8 full level

H05B 1/02 (2006.01); **F24H 1/00** (2006.01); **F24H 1/10** (2006.01); **H05B 3/26** (2006.01); **H05B 3/44** (2006.01)

CPC (source: EP)

B60H 1/2218 (2013.01); **B60H 1/2221** (2013.01); **H05B 1/0236** (2013.01); **H05B 3/26** (2013.01); **H05B 3/44** (2013.01);
B60H 2001/2262 (2013.01); **H05B 2203/003** (2013.01); **H05B 2203/013** (2013.01); **H05B 2203/021** (2013.01)

Citation (search report)

See references of WO 2016066415A1

Citation (examination)

JP 3206730 B2 20010910

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

FR 3027558 A1 20160429; FR 3027558 B1 20180427; EP 3213597 A1 20170906; JP 2017533862 A 20171116; WO 2016066415 A1 20160506

DOCDB simple family (application)

FR 1460307 A 20141027; EP 15778338 A 20151012; EP 2015073567 W 20151012; JP 2017541160 A 20151012