

Title (en)

HEATING DEVICE, IN PARTICULAR A SEMI-TRANSPARENT HEATING DEVICE

Title (de)

ERWÄRMUNGSVORRICHTUNG, INSBESONDERE EINE SEMITRANSPARENTE ERWÄRMUNGSVORRICHTUNG

Title (fr)

DISPOSITIF CHAUFFANT, EN PARTICULIER SEMI-TRANSPARENT

Publication

**EP 3251468 A1 20171206 (FR)**

Application

**EP 16701766 A 20160127**

Priority

- FR 1550666 A 20150128
- EP 2016051648 W 20160127

Abstract (en)

[origin: WO2016120302A1] The present invention relates to a heating device (1) comprising: - a base substrate (11); - an electrically conductive layer (12), referred to as the heating layer, carried by the substrate (11), formed from at least one percolating network of nano-objects comprising metal nanowires; and - a thermal diffusion layer (13) made from aluminium nitride, covering all or part of the heating layer (12). The invention also concerns a method for preparing such a heating device.

IPC 8 full level

**H05B 3/84** (2006.01); **H05B 3/12** (2006.01)

CPC (source: EP US)

**H05B 3/12** (2013.01 - EP US); **H05B 3/146** (2013.01 - US); **H05B 3/84** (2013.01 - EP US); **H05B 2203/011** (2013.01 - EP US);  
**H05B 2203/013** (2013.01 - EP US); **H05B 2203/034** (2013.01 - EP US); **H05B 2214/04** (2013.01 - EP US)

Citation (search report)

See references of WO 2016120302A1

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 3032084 A1 20160729; FR 3032084 B1 20170210**; EP 3251468 A1 20171206; EP 3251468 B1 20201118; US 2018014359 A1 20180111;  
WO 2016120302 A1 20160804

DOCDB simple family (application)

**FR 1550666 A 20150128**; EP 16701766 A 20160127; EP 2016051648 W 20160127; US 201615545151 A 20160127