

Title (en)

PLANE HEATING DEVICE WITH A MULTILAYER, PREFERABLY TRANSPARENT PLANE ELEMENT AND METHOD OF OPERATION

Title (de)

FLÄCHENHEIZEINRICHTUNG MIT EINEM MEHRSCHICHTIGEN, BEVORZUGT TRANSPARENTEN FLÄCHENELEMENT UND VERFAHREN ZUM BETRIEB

Title (fr)

DISPOSITIF DE CHAUFFAGE PLAT A ELEMENT PLAT MULTICOUCHE, DE PREFERENCE TRANSPARENT, ET PROCEDE PERMETTANT DE FAIRE FONCTIONNER CE DISPOSITIF

Publication

**EP 0934680 A1 19990811 (DE)**

Application

**EP 97942701 A 19971014**

Priority

- AT 9700218 W 19971014
- AT 180296 A 19961014

Abstract (en)

[origin: WO9817082A1] The invention relates to plane heating devices for installations in buildings, an electric power generating device and a power supply device, as well as a method allowing at least one electric power generating and power supply device to be operated with at least one heating device. The plane heating device (1) is intended to be used in building installations, especially wall members (3) defining interiors (2) and consists of a multilayered, preferably transparent plane element (4) comprising one or more base members (5) made of glass, plastic or inorganic non-metallic building materials and one or more layers (6) disposed thereon. At least one of these layers (6) is embodied as an electroconducting layer(7). Electroconducting layer (7) consists of a central layer (21) and a marginal layer (22) surrounding central layer at least in specific areas. Thickness (24) of marginal layer (22) is greater than that (26) of central layer (21).

IPC 1-7

**H05B 3/84**; **H05B 3/26**

IPC 8 full level

**H05B 3/84** (2006.01); **E06B 3/67** (2006.01)

CPC (source: EP)

**H05B 3/84** (2013.01); **E06B 3/6715** (2013.01); **H05B 2203/002** (2013.01); **Y02B 30/00** (2013.01)

Citation (search report)

See references of WO 9817082A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**WO 9817082 A1 19980423**; AT 407324 B 20010226; AT A180296 A 20000615; AU 4444797 A 19980511; EP 0934680 A1 19990811

DOCDB simple family (application)

**AT 9700218 W 19971014**; AT 180296 A 19961014; AU 4444797 A 19971014; EP 97942701 A 19971014