

Title (en)

Heating element of a heating device

Title (de)

Wärmeerzeugendes Element einer Heizvorrichtung

Title (fr)

Élément d'un dispositif de chauffage produisant de la chaleur

Publication

**EP 1916875 A3 20090107 (DE)**

Application

**EP 08002864 A 20050923**

Priority

EP 05020753 A 20050923

Abstract (en)

[origin: EP1768458A1] The unit has a positive temperature coefficient (PTC)-unit (6) and electrical conductor paths (4) that rest against opposite side surfaces of the PTC-unit. The electrical conductor paths are surrounded in an external-side by a non-electrical conductive insulating layer (8). The insulating layer has a ceramic plate and a plastic foil, where the plastic foil is arranged in an outer side of the ceramic plate and is laminated on the outer side of the ceramic plate. An independent claim is also included for a heating device for air heating.

IPC 8 full level

**H05B 3/50** (2006.01)

CPC (source: EP KR US)

**F24H 3/0429** (2013.01 - EP US); **F24H 3/0435** (2013.01 - EP KR US); **F24H 3/0447** (2013.01 - EP KR US); **F24H 3/0464** (2013.01 - EP KR US); **F24H 3/0476** (2013.01 - EP KR US); **F24H 3/082** (2013.01 - EP KR US); **F24H 9/1863** (2013.01 - EP US); **F24H 9/1872** (2013.01 - EP KR US); **H05B 3/50** (2013.01 - EP KR US); **H05B 2203/02** (2013.01 - EP KR US); **H05B 2203/023** (2013.01 - EP KR US)

Citation (search report)

- [X] DE 2804749 A1 19790809 - EICHENAUER FA FRITZ
- [YA] EP 0026457 A2 19810408 - SIEMENS AG [DE]
- [Y] US 2003206730 A1 20031106 - GOLAN GADY [IL]
- [YA] US 5665261 A 19970909 - DAMSOHN HERBERT [DE], et al
- [A] DE 3042420 A1 19820624 - EICHENAUER GMBH & CO KG F [DE]

Designated contracting state (EPC)

DE ES FR GB IT

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**EP 1768458 A1 20070328**; **EP 1768458 B1 20080514**; CN 100592834 C 20100224; CN 1937859 A 20070328; CN 1937861 A 20070328; CN 1937861 B 20121024; DE 502005004135 D1 20080626; DE 502005010598 D1 20110105; DE 502005010599 D1 20110105; EP 1916874 A2 20080430; EP 1916874 A3 20090107; EP 1916874 B1 20101124; EP 1916875 A2 20080430; EP 1916875 A3 20090107; EP 1916875 B1 20101124; ES 2303168 T3 20080801; ES 2360884 T3 20110610; ES 2360885 T3 20110610; JP 2007147258 A 20070614; JP 4732290 B2 20110727; KR 101310111 B1 20130924; KR 20070034444 A 20070328; US 2007068914 A1 20070329; US 2007145035 A1 20070628; US 7676144 B2 20100309

DOCDB simple family (application)

**EP 05020753 A 20050923**; CN 200610139774 A 20060925; CN 200610139781 A 20060925; DE 502005004135 T 20050923; DE 502005010598 T 20050923; DE 502005010599 T 20050923; EP 08002862 A 20050923; EP 08002864 A 20050923; ES 05020753 T 20050923; ES 08002862 T 20050923; ES 08002864 T 20050923; JP 2006257827 A 20060922; KR 20060092973 A 20060925; US 53440106 A 20060922; US 68300107 A 20070307