

Title (en)  
Heat generating element of a heating device

Title (de)  
Wärmeerzeugendes Element einer Heizvorrichtung

Title (fr)  
Élément chauffant d'un dispositif de chauffage

Publication  
**EP 1768458 A1 20070328 (DE)**

Application  
**EP 05020753 A 20050923**

Priority  
EP 05020753 A 20050923

Abstract (en)  
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)

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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