

Title (en)  
Heating sheet

Title (de)  
Heizfolien

Title (fr)  
Feuille chauffante

Publication  
**EP 1796432 A1 20070613 (DE)**

Application  
**EP 05026941 A 20051209**

Priority  
EP 05026941 A 20051209

Abstract (en)  
Unit has a heating surface (1) and an electrical conducting unit (2) connected to two sides of the heating surface, where the surface has a polymer matrix and is made of an electrically conducting material that is embedded in the matrix. Openings (5) penetrating the surface are provided in the surface, where the diameter of each opening is 3 to 15 millimeter (mm). Carbon particles e.g. carbon fibers, are embedded as the electrically conducting material. The surface is formed from a fibrous web mat, where the thickness of the surface is less than 0.5 mm.

IPC 8 full level  
**H05B 3/34** (2006.01); **H05B 3/14** (2006.01)

CPC (source: EP)  
**H05B 3/146** (2013.01); **H05B 3/34** (2013.01); **H05B 2203/011** (2013.01); **H05B 2203/013** (2013.01); **H05B 2203/026** (2013.01); **H05B 2203/034** (2013.01)

Citation (search report)

- [X] US 2003052114 A1 20030320 - EK ULF [SE], et al
- [X] US 2002153368 A1 20021024 - GARDNER ALAN D [US], et al
- [X] US 3936661 A 19760203 - FURUISHI HARUHISA, et al
- [X] US 4593181 A 19860603 - JENSEN MICHAEL L [US], et al
- [X] US 5286952 A 19940215 - MCMILLS COREY J [US], et al
- [A] US 2688070 A 19540831 - LINCOLN FREEDLANDER ABRAHAM

Cited by  
USD911038S; US10841980B2; US10925119B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK YU

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