

Title (en)

HEATER AND MANUFACTURING METHOD FOR SAME

Title (de)

HEIZVORRICHTUNG UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

ÉLÉMENT CHAUFFANT ET PROCÉDÉ DE FABRICATION DE CELUI-CI

Publication

EP 2275389 A2 20110119 (EN)

Application

EP 09721668 A 20090317

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- KR 20080024461 A 20080317
- KR 20080026545 A 20080321
- KR 20080026546 A 20080321
- KR 20080026547 A 20080321
- KR 20080026548 A 20080321
- KR 20080026550 A 20080321
- KR 20080045176 A 20080515
- KR 20080045178 A 20080515
- KR 20080045177 A 20080515
- KR 20080045179 A 20080515
- KR 20080024458 A 20080317

Abstract (en)

Provided are a method for manufacturing a heating element, which includes: determining a form of a pattern in which a line width is 100 micrometers or less and an opening ratio is in the range of 70% to 99%; printing a paste that includes the conductive heating material according to the determined pattern on at least one side of a resin film; forming a conductive heating pattern by sintering the printed paste that includes the conductive heating material; forming bus bars on both sides of the conductive heating pattern; attaching a transparent substance to at least one side of the resin film that has the conductive heating pattern; and providing a power portion that is connected to the bus bar, and a heating element that is manufactured by using the method.

IPC 8 full level

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CPC (source: EP KR)

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Cited by

RU2668557C2; FR3056070A1; FR3056069A1; EP3735103A1; US10397985B2; US10912155B2; US9967922B2; US11338774B2; WO2018051018A1; WO2015132611A1; WO2018051019A1

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