

Title (en)  
THERMALLY INSULATING THERMOELECTRIC ROOFING ELEMENT

Title (de)  
THERMISCH ISOLIERENDES THERMOELEKTRISCHES DACHBAUELEMENT

Title (fr)  
ÉLÉMENT DE TOITURE THERMOÉLECTRIQUE THERMIQUEMENT ISOLANT

Publication  
**EP 1987550 A1 20081105 (EN)**

Application  
**EP 07715871 A 20070208**

Priority  

- NL 2007050051 W 20070208
- EP 06075277 A 20060208
- EP 07715871 A 20070208

Abstract (en)  
[origin: EP1818992A1] Thermally insulating roofing element, comprising a plurality of thermoelectric elements, each comprising a first conductor (1), made of a first conductive material, and a second conductor (2), made of a second conductive material, both conductors mainly extending between the element's flat sides (12, 13) and being electrically interconnected by at least one junction (3, 4). The first conductive material may be a first conductive polymer and the second conductive material a second conductive polymer. One or more support bodies (6), having thermal and electrical isolating properties, support the first and/or second conductors. The support bodies mainly extends in the length or the width of the roof element and may be made of an isolating polymer.

IPC 8 full level  
**H10N 10/856** (2023.01); **E04D 3/35** (2006.01); **H01L 31/04** (2006.01); **H01L 51/42** (2006.01); **H10N 10/00** (2023.01)

CPC (source: EP)  
**E04D 3/352** (2013.01); **H10N 10/00** (2023.02); **H10N 10/856** (2023.02); **Y02B 10/10** (2013.01)

Citation (examination)  

- DE 19946806 A1 20010405 - PALME KLAUS [DE]
- DE 3314198 A1 19831103 - ENERGY CONVERSION DEVICES INC [US]
- See also references of WO 2007091890A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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