

Title (en)  
Insulation panel for attachment of tiles

Title (de)  
Wärmegeädämmte Platte zur Befestigung von Dachziegeln

Title (fr)  
Panneau d'isolation thermique pour la pose de tuiles

Publication  
**EP 0933487 B2 20090819 (EN)**

Application  
**EP 98500018 A 19980129**

Priority  
EP 98500018 A 19980129

Abstract (en)  
[origin: EP0933487A1] It includes horizontal parallel tie-down grooves (3) for tiles of a module, equidistant and intended to receive and couple tiles (4), and of parallel vertical tie-down grooves (2) for tiles of another module, perpendicular to the horizontal grooves (3) with equidistant arrangement and placed at different distance to the corresponding one between horizontal grooves (3), as well as including between the horizontal grooves (3) for the tie-down of tiles of a module and vertical grooves (2) for tie-down of tiles of another module, a lattice-work (5) of horizontal ventilation grooves (6) and vertical ventilation grooves (7) distributed below the location of the tile (4). It is provided, on the lower side of the panel with lower grooves (8) with reduced size which contribute to the equilibration of stresses and facilitate the introduction of mortars or adhesives for the adherence of the panel to the roof (1). <IMAGE>

IPC 8 full level  
**E04B 7/20** (2006.01); **E04B 7/22** (2006.01)

CPC (source: EP)  
**E04B 7/225** (2013.01)

Citation (opposition)  
Opponent :

- DE 3038490 A1 19810507 - MAGERLE OTTO ING
- DE 8602981 U1 19870319
- DE 2936586 A1 19810326 - LEIDINGER HELMUT
- US 5473847 A 19951212 - CROOKSTON ANTHONY J [US]
- GB 1363355 A 19740814 - DYNAMIT NOBEL AG
- GB 2118595 A 19831102 - RIDDEHOUGH JOHN EUGENE
- EP 0430141 A1 19910605 - DIEHL HERMANN [DE]

Designated contracting state (EPC)  
DE ES FR GB IT PT

DOCDB simple family (publication)  
**EP 0933487 A1 19990804; EP 0933487 B1 20031210; EP 0933487 B2 20090819**; DE 69820409 D1 20040122; DE 69820409 T2 20041028; DE 69820409 T3 20100311; ES 2209092 T3 20040616; ES 2209092 T5 20100107

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