

Title (en)  
Insulated ceiling composed of a plurality of layers

Title (de)  
Aus mehreren Schichten bestehende Decke

Title (fr)  
Plafond composé de plusieurs couches

Publication  
**EP 0852275 A2 19980708 (EN)**

Application  
**EP 98103743 A 19950428**

Priority  
• DE 4415181 A 19940429  
• EP 95106504 A 19950428

Abstract (en)  
A roof substructure for roofs decked with roof decking boards is made up, in the case of a couple roof to be insulated, of an exposed panel work (4) attached to the rafters (6); a film-type vapour barrier (8) laid on the exposed panel work (4); an insulating layer (10) based on mineral wool which is laid on the vapour barrier (8); and a film (24) which is water repellent and is open to diffusion which is laid on the insulating layer (10) and covers the latter. In this case, the insulating layer (10) is made up of at least two types of strips (18, 22) which are laid alternately individually and without gaps parallel to an edge of the roof, that is to say in a steep-pitched couple roof to the ridge (16) and to the eaves (12), the one type of strip (18) serving to absorb the roof load, introduced via base battens (20), of the roof parts located above the insulating layer (10), and having a far higher compression strength in relation to the other type of strip (22), serving purely insulating purposes, and being of a many times narrower design compared to the other type of strip (22), serving insulating purposes. In this case, the strips (18) for absorbing the load have a compression strength of at least 50 kN/m<sup>2</sup> and consist, like the strips (22) serving purely insulating purposes, solely of bonded mineral wool. <IMAGE>

IPC 1-7  
**E04D 12/00**; **E04D 13/16**

IPC 8 full level  
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**E04D 12/00** (2013.01); **E04D 13/16** (2013.01); **E04D 13/1612** (2013.01); **E04D 13/1618** (2013.01)

Citation (applicant)  
• DE 2839767 A1 19800320 - RUETGERSWERKE AG  
• DE 3435648 A1 19860410 - HAESSNER FRIEDHOLD  
• DE 3615109 A1 19871105 - GRUENZWEIG HARTMANN GLASFASER [DE]  
• EP 95106504 A 19950428

Cited by  
EP2354363A1; CN107130696A; EP1707704A1; CH702667A1

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**EP 0682161 A1 19951115**; **EP 0682161 B1 19980701**; **EP 0682161 B2 20020417**; AT E167911 T1 19980715; CZ 111495 A3 19951213; DE 4415181 A1 19951102; DE 4447681 C2 20000531; DE 69503182 D1 19980806; DE 69503182 T2 19990211; DE 69503182 T3 20021024; EP 0852275 A2 19980708; EP 0852275 A3 20000301

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