

Title (en)  
Inverted roof system.

Title (de)  
Umgekehrte Dachbauweise.

Title (fr)  
Système de toiture inversé.

Publication  
**EP 0407118 A1 19910109 (EN)**

Application  
**EP 90307196 A 19900702**

Priority  
GB 8915236 A 19890703

Abstract (en)  
Insulation can be incorporated into a flat roof construction either over or under the waterproof membrane of the roof. Where the insulation system is placed on top of the waterproof membrane this is usually referred to as an inverted roof system. Such an inverted roof system protects the waterproof membrane from thermal shock, the affects of sunlight and weathering, and damage by roof traffic. An inverted roof comprises a weatherproof membrane covered by rectangular, foamed polystyrene insulation boards (30) arranged in a herringbone pattern. Each of the insulation boards (30) has a ratio of long to short side of 2:1 with tongues (31) formed on an adjacent long and short side and corresponding grooves (32) formed on the other two sides. A permeable membrane (35,36) having a weight of between 3 and 15 kilograms per square meter and preferably between 4 and 7 kilograms per square meter covers the insulation boards (30).

IPC 1-7  
**E04D 11/02**; **E04D 13/16**

IPC 8 full level  
**E04D 11/02** (2006.01); **E04D 13/16** (2006.01)

CPC (source: EP)  
**E04D 11/02** (2013.01); **E04D 13/1662** (2013.01)

Citation (search report)

- [Y] DE 3215172 A1 19831027 - GRUENZWEIG HARTMANN GLASFASER [DE]
- [Y] DE 3444728 A1 19860612 - FRANKE CHRISTOPH M
- [A] FR 2434909 A1 19800328 - SOUTHERN CHEMICALS LTD
- [A] GB 2154624 A 19850911 - ROCKWOOL INT
- [A] GB 1103015 A 19680214 - DOW CHEMICAL CO

Cited by  
EP0736641A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB LI LU NL SE

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**EP 0407118 A1 19910109**; **EP 0407118 B1 19930331**; AT E87697 T1 19930415; DE 69001210 D1 19930506; DE 69001210 T2 19930729; DK 0407118 T3 19930809; ES 2040058 T3 19931001; GB 8915236 D0 19890823

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