

Title (en)  
Under-roof construction

Title (de)  
Unterdachkonstruktion

Title (fr)  
Construction de sous-toiture

Publication  
**EP 0653528 B1 19960918 (DE)**

Application  
**EP 94117248 A 19941102**

Priority  
DE 4338503 A 19931111

Abstract (en)  
[origin: EP0653528A1] The under-roof construction serves for the fastening of different roofing panels on roofs which are insulated by rigid-foam panels. Fastened on the rafters are retaining angles (2) which serve for securing the laminated rigid-foam panels (5). In the region of the joint, separate batten head carriers (3) are fitted into the retaining angles. The batten head carriers (3) exhibit fastening parts for receiving batten head rails (4) at regular intervals from one another, i.e. in the direction of the eaves. A plurality of batten head rails may be fastened with respect to one another on a batten head carrier, with the result that a plurality of roofing panels may also be fastened with respect to one another with the aid of a retaining angle and of a batten head carrier. By using three parts (retaining angle (2), batten head carrier (3) and batten head rail (4)), universal usage, utilising standardised rigid-foam panels, is possible. There are relatively few joints, the number thereof being predetermined by the dimensions of the rigid-foam panels. The construction is stable since the corresponding sections of the batten head carriers overlap one another. The number of heat bridges or cold bridges caused by the joints is small. Mounting is simple and thus possible in a cost-effective manner. The resulting joints of the rigid-foam panels are closed, by the lamination of the upper side of the panels, by a corresponding, overlapping width and may even be adhesively bonded. <IMAGE>

IPC 1-7  
**E04B 7/20**; **E04D 12/00**

IPC 8 full level  
**E04B 7/20** (2006.01); **E04B 7/22** (2006.01); **E04D 12/00** (2006.01); **E04D 13/17** (2006.01)

CPC (source: EP)  
**E04B 7/225** (2013.01); **E04D 12/004** (2013.01); **E04D 13/17** (2013.01)

Cited by  
ITRE20110008A1; EP0921246A3; FR3029953A1; GB2341618B; EP0921247A3; EP2982809A1; WO0015925A1

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