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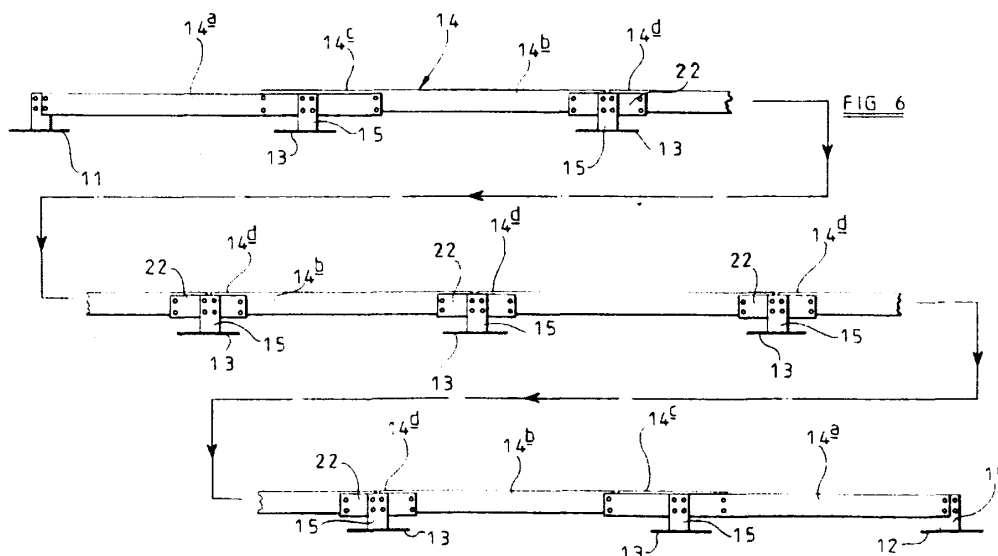
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(54) Constructional rafter and purlin system

(57) A building construction comprising a first rafter (13) substantially parallel with a gable end (11) and defining therewith an end bay, a second rafter (13) parallel to the first rafter and defining therewith an intermediate bay, a third rafter (13) parallel to the second rafter and defining therewith a further intermediate bay, and a purlin (14) spanning said bays and supported on the gable end and each of said rafters, said purlin (14) being formed from n cold rolled sections (14a, 14b) of predetermined length, and a first purlin section (14a) spanning said end bay and being joined to a second purlin section (14b) over said first rafter (13) by an overlapped joint

(14c), the end of the second section remote from the first section being joined to a third purlin section (14b) above a respective rafter by a sleeved joint (14d), the n -2th section (14b) being connected to the n -1th section (14b) by a sleeved joint (14d) above a respective rafter, and the n th section (14a), being an end bay section at the end of the purlin remote from the first mentioned end bay section, being connected to the n -1th section (14b) by an overlapped joint (14c) above the rafter adjacent the second gable end, said first and n th sections (14a) of the purlin being formed from a material of heavier gauge than the material of at least some of the intermediate sections (14b).





European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 97 30 6224

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
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Y	US 4 342 177 A (SMITH DONALD A) 3 August 1982 * abstract; figure 1 *	1-8	
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The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 5 January 1999	Examiner Bousquet, K
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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The members are as contained in the European Patent Office EDP file on
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