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(54) **Waterproof joints between timbers**

(57) A waterproof joint system between tongue and groove wood planks sawn to bisect the heart of the small log they were made from. These planks are then planed into Greenwood planks, which will have exposed hearts on one side. Greenwood planks with hearts exposed will warp or cup as they dry with the cupping being away from the heart side. The green planks are interlocked together to form a wall or roof panel so that the heart side of the planks alternate from one side of the panel

to the other. They are tied together by a series of cross ties nailed to each plank. Held tightly together the tongues will be forcefully squeezed against the sides of the grooves as the planks cup, producing a watertight joint. If the planks or logs are laid horizontally like with a log cabin, the cross ties will prevent the logs from settling, or newly designed long wood screws can be used as cross ties, which will also prevent settling and, unlike the cross ties, will be hidden in the wall.

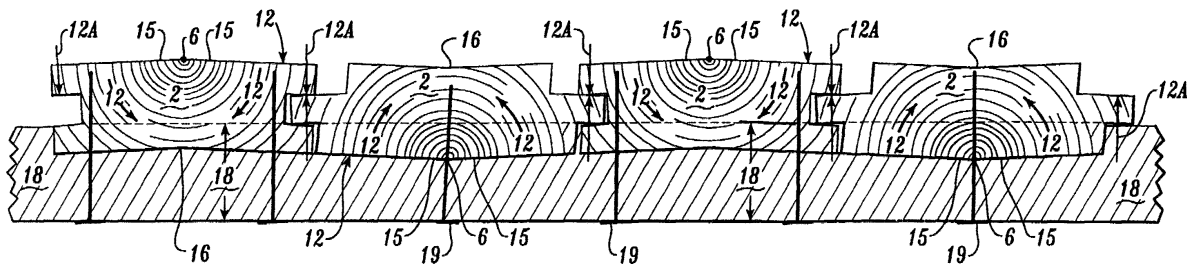


Fig. 10



European Patent Office

EUROPEAN SEARCH REPORT

Application Number
EP 00 30 1568

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The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			E04B E04C B27B B27M
Place of search	Date of completion of the search	Examiner	
MUNICH	29 August 2002	Khera, D	
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention	
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A : technological background		L : document cited for other reasons	
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**ANNEX TO THE EUROPEAN SEARCH REPORT
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