

Title (en)
Waterproof joints between timbers

Title (de)
Wasserdichte Fugen zwischen Hölzern

Title (fr)
Joints étanches entre pièces en bois

Publication
EP 1031673 A3 20021023 (EN)

Application
EP 00301568 A 20000228

Priority
EP 00301568 A 20000228

Abstract (en)
[origin: EP1031673A2] 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. <IMAGE>

IPC 1-7
E04B 2/70; E04C 2/12

IPC 8 full level
E04B 2/70 (2006.01)

CPC (source: EP)
E04B 2/702 (2013.01)

Citation (search report)
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Cited by
AT510524B1; AT13952U1; RU2663854C1; WO0171114A1

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