

Title (en)  
Building component structure, or building components

Title (de)  
Anordnung mit Bauteilen oder Bauteile

Title (fr)  
Agencement d'éléments de construction ou éléments de construction

Publication  
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Application  
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Abstract (en)  
[origin: WO9858142A1] The invention relates to flat and/or elongated building components (1, 2), preferably wooden, and a structure connecting these components (1, 2) in accordance with the groove and tongue principle. Two legs (3, 4) forming a groove (5) branch off from a front face of one of the components (1), and a tongue (6) branching off from a front face of the other component (2) can be inserted into the groove (5). Locking elements (7, 8) hold the components (1, 2) in an assembled position. In accordance with the invention, the locking elements are configured as triangular projections (7) and cavities (8) in facing or adjacent surfaces of the groove and/or tongue.

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Citation (search report)  
• [XPY] DE 29710175 U1 19970814 - UNILIN BEHEER BV [NL]  
• [YA] WO 9401628 A2 19940120 - NIKKEN SEATTLE INC [US]  
• [YA] DE 9317191 U1 19950316 - FAIST M GMBH & CO KG [DE]  
• [A] US 5502939 A 19960402 - ZADOK PETER [US], et al  
• [A] WO 9627721 A1 19960912 - PERSTORP FLOORING AB [SE], et al  
• [A] GB 2256023 A 19921125 - MAGNET HOLDINGS LTD [GB]  
• [A] WO 9404773 A1 19940303 - ERICSSON KARL GUSTAV [SE], et al

Cited by  
DE102007007832A1; WO2008098783A1; DE10233731A1; DE102005045261B3; DE102004033458A1; DE102004033458B4; US8206802B2

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