

Title (en)  
WOODEN STRUCTURAL ELEMENT AND KIT FOR ERECTING BUILDING WALLS BY MEANS OF WOODEN STRUCTURAL ELEMENTS

Title (de)  
HOLZBAUELEMENT UND BAUSATZ ZUM AUFBAU VON GEBÄUDEWÄNDEN MIT HOLZBAUELEMENTEN

Title (fr)  
ELEMENT DE CONSTRUCTION EN BOIS ET JEU D'ELEMENTS POUR LA CONSTRUCTION DE MURS DE BATIMENTS A L'AIDE D'ELEMENTS DE CONSTRUCTION EN BOIS

Publication  
**EP 1511906 A2 20050309 (DE)**

Application  
**EP 03755898 A 20030520**

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Abstract (en)  
[origin: WO03102325A2] Disclosed is a wooden structural element for producing planar edifices, particularly for erecting vertical load-bearing or non-load bearing building walls, comprising rectangular supporting plates (1, 2) which are aligned parallel to each other and the areas of which are equal, and rod-type elongate supports (5) which are shaped like profiled cylinders, are arranged in a hollow space (7) that is located between said plates, and are connected in a direct and fixed manner to the inner surfaces of the supporting plates along the peripheral sides thereof. Said supports are arranged at regular intervals in a row, are aligned approximately parallel to top faces of the supporting plates, and end flush with lower and upper longitudinal faces of the supporting plates. Rectangular wall plates (11, 12) having approximately equal areas are fixed to the outer sides of the supporting plates (1, 2), offset by the width of a longitudinal edge and a top edge, such that a matrix profile or a grooved profile is created between free longitudinal edges and top edges of the wall plates on one of two longitudinal faces (8) and one of two top faces (9) while an approximately reciprocal male profile or tongue profile is created at free longitudinal edges and top edges of the supporting plates. The inventive wooden structural elements can be assembled next to or on top of each other so as to form a form-fitting groove-and-tongue connection. The invention also relates to the diffusion of humidity in wooden structural elements, the locking of wooden structural elements that are assembled in edifices, the designing of wooden structural elements for erecting corners of edifices, and a kit for erecting edifices by means of wooden structural elements and accessories.

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Cited by  
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