

Title (en)  
Groove and tongue connection

Title (de)  
Nut-Kamm-Verbindung

Title (fr)  
Liaison à rainure et languette

Publication  
**EP 2594703 A3 20140326 (DE)**

Application  
**EP 12007294 A 20121024**

Priority  
CH 18522011 A 20111118

Abstract (en)  
[origin: EP2594703A2] The groove-comb connection structure includes a comb (2) which is made of an element-side region (2a) with parallel surfaces and rounded off region (2c). A diameter-tapering region (2b) is provided between the element-side region and the rounded off region. The diameter-tapering region is provided with converging inclined surfaces. The element-side region, diameter-tapering region and rounded off region are merged into one another seamlessly, corresponding to the shape of a groove (3). Independent claims are included for the following: (1) plate-like element; (2) method for manufacturing plate-like element; (3) use of plate-like element; (4) building incorporating plate-like element; and (5) method for construction of building.

IPC 8 full level  
**E04F 15/02** (2006.01); **E04F 15/10** (2006.01)

CPC (source: EP)  
**E04F 15/02038** (2013.01); **E04F 15/102** (2013.01); **E04F 2201/0107** (2013.01); **E04F 2201/023** (2013.01)

Citation (search report)

- [X1] WO 2006104436 A1 20061005 - VAELINGE INNOVATION AB [SE], et al
- [X1] DE 20219023 U1 20030220 - HDM HOLZ DAMMERS GMBH [DE]
- [X1] US 6324809 B1 20011204 - NELSON THOMAS J [US]

Cited by  
EP2899021A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2594703 A2 20130522; EP 2594703 A3 20140326; EP 2594703 B1 20160518**; CH 705786 A1 20130531; CH 705786 B1 20150814; JP 2013108350 A 20130606; PL 2594703 T3 20161130

DOCDB simple family (application)  
**EP 12007294 A 20121024**; CH 18522011 A 20111118; JP 2012250304 A 20121114; PL 12007294 T 20121024