

Title (en)  
CONNECTING STRUCTURE FOR BUILDING ELEMENTS AND PROCESS FOR PRODUCING SAID CONNECTING STRUCTURE

Title (de)  
VERBINDUNGSKONSTRUKTION FÜR BAUTEILE UND VERFAHREN ZUR HERSTELLUNG DER VERBINDUNGSKONSTRUKTION

Title (fr)  
STRUCTURE DE RACCORDEMENT POUR ELEMENTS DE CONSTRUCTION ET SON PROCEDE DE FABRICATION

Publication  
**EP 1009881 A1 20000621 (DE)**

Application  
**EP 97935416 A 19970828**

Priority  
CH 9700314 W 19970828

Abstract (en)  
[origin: WO9911867A1] A connecting structure for building elements subject to expansion and/or shrinking has an elastic connecting layer (5) the top region of which is free of metallic parts and provided with flexible reinforcing means (7) secured to the building elements (1-4) for receiving and distributing any deformation forces. In addition, the building elements have each a foundation (1) and a top layer (2, 3, 4). The foundations (1) are spaced apart and are not covered by the top layer (2, 3, 4) in a marginal area. The connecting layer (5) is arranged between the top layers (2, 3, 4), overlapping the foundations (1), so that its surface, together with the surface of the top layers (2, 3, 4), forms a substantially continuous surface free of metallic parts. A ground plate (8) which partially overlaps the foundations (1) is arranged below the connecting layer (5), is fixed to one of the two foundations (1) and slidingly connected to the second foundation. This allows a clearance-free connection, without any exposed metallic parts, and a reliable fixation to the building element. The ground plate, which is slidingly supported on one side, effectively absorbs high friction forces. The road joint formed with the connecting structure has no exposed metallic parts, ensuring also in the long term an extremely low noise level.

IPC 1-7  
**E01D 19/06**; **E01C 11/12**

IPC 8 full level  
**E01C 11/12** (2006.01); **E01D 19/06** (2006.01)

CPC (source: EP)  
**E01C 11/123** (2013.01); **E01D 19/067** (2013.01)

Cited by  
NL2003886C2; EP2246474A3; EP2246474A2

Designated contracting state (EPC)  
AT BE DE DK ES FI FR GB IE IT LU NL PT SE

DOCDB simple family (publication)  
**WO 9911867 A1 19990311**; AT E245726 T1 20030815; AU 3845697 A 19990322; DE 59710482 D1 20030828; EP 1009881 A1 20000621; EP 1009881 B1 20030723

DOCDB simple family (application)  
**CH 9700314 W 19970828**; AT 97935416 T 19970828; AU 3845697 A 19970828; DE 59710482 T 19970828; EP 97935416 A 19970828