

Title (en)  
DEVICE AND METHOD FOR CONNECTING CONSTRUCTION ELEMENTS

Title (de)  
VORRICHTUNG UND VERFAHREN ZUM VERBINDEN VON BAUELEMENTEN

Title (fr)  
DISPOSITIF ET PROCÉDÉ DE CONNEXION D'ÉLÉMENTS DE CONSTRUCTION

Publication  
**EP 4339384 A1 20240320 (EN)**

Application  
**EP 23197802 A 20230915**

Priority  
BE 202205739 A 20220916

Abstract (en)  
A device (1) for connecting a first construction element (2) and a second construction element (4), comprising: a first connecting element (3) which is connected to the first construction element (2) and which comprises a connecting piece (10), a second connecting element (5) which is connected to the second construction element (4) and comprises a recess (7) characterized in that a transverse dimension of the recess (7) decreases along at least a portion of the length thereof in a insertion direction (A), in that the device furthermore comprises a coupling element (6) with a cavity (8) which is configured to accommodate at least a portion of the connecting piece (10), and in that the coupling element (6) is configured to be inserted into the recess (7) in the insertion direction (A) up to a secure limit position in which it adjoins the walls of the recess (7).

IPC 8 full level  
**E04B 1/21** (2006.01)

CPC (source: EP)  
**E04B 1/215** (2013.01)

Citation (search report)  
• [X] US 2793407 A 19570528 - WILLIAM JOHNSTON JAMES  
• [X] US 10738463 B2 20200811 - MILLER PHILIP GLEN [US]  
• [X] WO 2007034192 A1 20070329 - TIMBERFIX LTD [CH], et al

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4339384 A1 20240320**; BE 1030886 A1 20240410; BE 1030886 B1 20240416

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**EP 23197802 A 20230915**; BE 202205739 A 20220916