

Title (en)  
CONNECTION ARRANGEMENT

Title (de)  
VERBINDUNGSANORDNUNG

Title (fr)  
AGENCEMENT DE CONNEXION

Publication  
**EP 4056779 C0 20240410 (EN)**

Application  
**EP 22158166 A 20220223**

Priority  
FI 20215263 A 20210311

Abstract (en)  
[origin: EP4056779A1] A connection arrangement for connecting a vertical element (2), such as a column or a wall element, and a beam (3) to each other, the connection arrangement comprising a beam part to be fastened to an end of the beam (3), which beam part comprises an end plate (12) in which there is a downwardly open slot (11), at the bottom of which there is an abutment surface (21), and a column part to be fastened to the vertical element (2), which column part comprises a tongue part (8) having a support surface (22) against which the abutment surface (21) of the slot (11) is arranged to be supported in order to receive a vertical load. In an upper part of the slot (11), on opposite sides, there are upper abutment surfaces (19), and in a lower part of the slot (11) there are, on opposite sides, lower abutment surfaces (20), the horizontal distance between which lower abutment surfaces (20) is greater than between the upper abutment surfaces (19), in an upper part of the tongue part (8) there are, on opposite sides, upper support surfaces (16), against one of which the upper abutment surface (19) of the slot (11) is arranged to be supported when the beam part has been installed onto the column part and a torsional moment tending to cause rotation about the longitudinal axis of the beam acts on the beam part. In a lower part of the tongue part (8), on opposite sides, there are lower support surfaces (18), the horizontal distance between which is greater than between the upper support surfaces (16) and against one of which the lower abutment surface (20) of the slot (11) is arranged to be supported when the beam part has been installed onto the column part and a torsional moment tending to cause rotation about the longitudinal axis of the beam acts on the beam part.

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

CPC (source: EP FI)  
**E04B 1/215** (2013.01 - EP FI); **E04B 1/2403** (2013.01 - FI)

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

Participating member state (EPC – UP)  
AT BE BG DE DK EE FI FR IT LT LU LV MT NL PT SE SI

DOCDB simple family (publication)  
**EP 4056779 A1 20220914; EP 4056779 B1 20240410; EP 4056779 C0 20240410**; FI 130308 B 20230613; FI 20215263 A1 20220912

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