

Title (en)  
ASSEMBLY COLUMN-BEAM CONNECTION COMPONENT

Title (de)  
MONTAGESÄULE-BALKEN-VERBINDUNGSKOMPONENTE

Title (fr)  
COMPOSANT DE LIAISON COLONNE-POUTRE D'ASSEMBLAGE

Publication  
**EP 4361366 A1 20240501 (EN)**

Application  
**EP 23206029 A 20231026**

Priority  
• CN 202222824487 U 20221026  
• CN 202222824485 U 20221026

Abstract (en)  
An assembly column-beam connection component includes a vertically-oriented connecting body for connecting to columns and a horizontally-oriented connecting body for connecting to beams. One end of the horizontally-oriented connecting body is connected to the vertically-oriented connecting body. The vertically-oriented connecting body includes sequentially arranged front sidewall, left sidewall, rear sidewall, and right sidewall. Each of these sidewalls features concave portions extending along the vertically-oriented connecting body's length in the vertical direction. The concave portions on the left sidewall and rear sidewall are positioned near the junction of the left sidewall and rear sidewall, while those on the front sidewall and right sidewall are situated at their respective centers. Multiple installation through-holes for connecting to columns are provided on the various sidewalls of at least one end of the vertically-oriented connecting body.

IPC 8 full level  
**E04B 1/58** (2006.01); **E04B 1/24** (2006.01)

CPC (source: EP)  
**E04B 1/5825** (2013.01); **E04B 2001/2406** (2013.01); **E04B 2001/2418** (2013.01); **E04B 2001/2421** (2013.01); **E04B 2001/2466** (2013.01); **E04B 2001/5856** (2013.01); **E04B 2001/5887** (2013.01)

Citation (applicant)  
CN 114250860 A 20220329 - ZHANGZHOU HAENG BUILDING MAT CO LTD

Citation (search report)  
• [A] CN 106284660 A 20170104 - ZHEJIANG PUTIAN INTEGRATED HOUSING CO LTD  
• [A] US 2019376272 A1 20191212 - STYRC JACEK [CA], 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)  
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