

Title (en)

GUSSET PLATE AND COLUMN ASSEMBLY FOR MOMENT RESISTING BI-AXIAL BEAM-TO-COLUMN JOINT CONNECTIONS

Title (de)

KNOTENBLECH UND SÄULENANORDNUNG FÜR MOMENTBESTÄNDIGE BIAXIALE TRÄGER-SÄULEN-KNOTENPUNKTE

Title (fr)

PLAQUE GOUSSET ET ENSEMBLE COLONNE POUR CONNEXIONS DE JOINT POUTRE-À-COLONNE BI-AXIALES RÉSISTANT AU MOMENT

Publication

**EP 3301235 A1 20180404 (EN)**

Application

**EP 17167414 A 20170420**

Priority

- US 201615284107 A 20161003
- US 201615284142 A 20161003

Abstract (en)

A gusset plate assembly for use in connecting at least two beams to a hollow tubular column in a building. The gusset plate assembly can receive said at least two beams in a biaxial orientation of said beams. The gusset plate assembly comprises gusset plates sized for transferring the weights of said at least two beams and their reaction forces and bending moments from the application of severe load conditions acting on the building to the hollow tubular column. At least one of the gusset plates receives a portion of a second of the gusset plates. A joint penetration groove weld joining the first and second gusset plates together allows the gusset plate assembly to be free of welds on its internal corners. A method of assembling a gusset plate assembly is also disclosed.

IPC 8 full level

**E04B 1/24** (2006.01)

CPC (source: EP)

**E04B 1/2403** (2013.01); **E04B 2001/2415** (2013.01); **E04B 2001/2445** (2013.01); **E04B 2001/2454** (2013.01)

Citation (applicant)

- US 6138427 A 20001031 - HOUGHTON DAVID L [US]
- US 201615144414 A 20160502
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Citation (search report)

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- [AD] US 6138427 A 20001031 - HOUGHTON DAVID L [US]
- [A] GB 2036235 A 19800625 - MENELAOU X
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CN113102865A

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 3301235 A1 20180404**; **EP 3301235 B1 20200603**; AU 2017202782 A1 20180419; AU 2017202782 B2 20230209; CA 2965460 A1 20180403; MX 2017005718 A 20180820

DOCDB simple family (application)

**EP 17167414 A 20170420**; AU 2017202782 A 20170427; CA 2965460 A 20170427; MX 2017005718 A 20170502