

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 B1 20200603 (EN)

Application

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- US 201615284142 A 20161003

Abstract (en)

[origin: EP3301235A1] 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

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