Title (en)
    BUILDING FRAME STRUCTURE

Title (de)
    GEBÄUDERAHMENSTRUKTUR

Title (fr)
    STRUCTURE D'OSSATURE DE CONSTRUCTION

Publication
    EP 1485542 B1 20070110 (EN)

Application
    EP 02709861 A 20020318

Priority
    US 0208465 W 20020318

Abstract (en)
    [origin: WO03080951A1] Column, beam and cross-bracing building frame structure and methodology. The column features an assembly of plural elongate angle-iron-like components held apart by spacers which establish laterally facing recesses between spaced, confronting legs for receiving the modified, inserted ends of the central webs in beams, and the ends of cross braces. Regions of the end-to-end, vertically-stacked joinder between two columns take the forms of compact, friction-bound splices created through and with the inserted ends of beams' central webs. Columns in a frame can respond to severe loads with a certain amount of beneficial individual load-handling promoted and provided by the plural angle-iron-like components, and with modest, reversible frictionally resisted energy-dissipating longitudinal motions relative to one another. Such loading is also resisted by reversible, frictional relative motion in the splices between beams and columns. Similar friction connections are provided between cross-connected beams.

IPC 8 full level
    E04B 1/24 (2006.01); **E04B 1/58** (2006.01); **E04C 3/32** (2006.01)

CPC (source: EP)
    E04B 1/24 (2013.01); E04B 2001/2409 (2013.01); E04B 2001/2415 (2013.01); E04B 2001/2448 (2013.01); E04B 2001/2457 (2013.01); E04B 2001/2463 (2013.01); E04B 2001/2472 (2013.01); E04B 2001/2496 (2013.01)

Cited by
    WO2012154111A1

Designated contracting state (EPC)
    AT BE CH CY DE DK ES FI FR GR IE IT LI LU MC NL PT SE TR

Designated extension state (EPC)
    AL LT LV MK RO SI

DOCDB simple family (publication)
    WO 03080951 A1 20031002; AU 2002244318 A1 20031008; AU 2002244318 B2 20080529; BR 0209851 A 20040615; BR 0209851 B1 20120222; BR 0209851 B8 20140617; CA 2479217 A1 20031002; CA 2479217 C 20111004; CN 101302777 A 20081112; CN 101302777 B 20110608; CN 1623023 A 20050601; DE 60217552 D1 20070222; EP 1485542 A1 20041215; EP 1485542 B1 20070110; JP 2005520960 A 20050714; MX 343776 B 20161123; MX PA04008991 A 20050701

DOCDB simple family (application)
    US 0208465 W 20020318; AU 2002244318 A 20020318; BR 0209851 A 20020618; CA 2479217 A 20020318; CN 02828574 A 20020318; CN 200810110625 A 20020318; DE 60217552 T 20020318; EP 02709861 A 20020318; JP 2003578664 A 20020318; MX 2010010194 A 20020318; MX PA04008991 A 20020318