

Title (en)  
BUILDING FRAME STRUCTURE

Title (de)  
GEBÄUDERAHMENSTRUKTUR

Title (fr)  
STRUCTURE D'OSSATURE DE CONSTRUCTION

Publication  
**EP 1485542 A1 20041215 (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.

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**E04B 1/24**

IPC 8 full level  
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Citation (search report)  
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