

Title (en)
BUILDING STRUCTURE

Title (de)
BAUKONSTRUKTION

Title (fr)
STRUCTURE DE CONSTRUCTION

Publication
EP 1942232 A4 20090422 (EN)

Application
EP 06729919 A 20060324

Priority
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Abstract (en)
[origin: EP1942232A1] An architectural structure comprises an outer peripheral tube frame as a main frame in which a hexagon structural unit is rigidly connected in a honeycomb-shape. The hexagon structural unit includes a pillar and a beam or one part of a slab. Concretely, the hexagon structural unit provides with two edges such that the right side and the left side are symmetric. Two edges are edges of two inclined pillars are connected. Two inclined pillars are inclined in an opposite direction, along a perpendicular direction. The beam or one of the slabs is respectively placed at an upper edge and a lower edge along a horizontal direction. Thus, an architectural structure comprises a tube frame having a novel basic structure. Thereby, stability and earthquake-resistance of a structure can be obtained in an architecture building, specially, a high-rise and a super high-rise buildings. Stability and earthquake-resistance of the structure are superior to a conventional structure. Further, a design can be more free than that of the architectural structure of a conventional tube frame.

IPC 8 full level
E04B 1/18 (2006.01); **E04B 1/34** (2006.01)

CPC (source: EP KR US)
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Citation (search report)
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