

Title (en)
Aseismatic building structure.

Title (de)
Erdbebensichere Gebäudestruktur.

Title (fr)
Structure de bâtiment parasismique.

Publication
EP 0107749 A1 19840509 (EN)

Application
EP 82830272 A 19821028

Priority
EP 82830272 A 19821028

Abstract (en)
A modular building structure is based on a foundation comprising a framework of reinforced concrete beams crossing at right angles, the beams having all the same inverted "T" cross section and extending under all the building walls either perimetrical or interior. Steel columns (6) are mounted at regular intervals along the foundation, which columns (6) are formed by segments of a structural shape or section iron preferably with double "T" section which have all the same length equal to the distance between two subsequent floors of the building. The building floors comprise a framework made of structural shapes connecting the columns (6) to one another and of reinforced concrete beams connected to said structural shapes. Filling blocks are inserted between the last named beams as insulating means and forms for concrete casting.

IPC 1-7
E04H 9/02; E04B 1/98; E04B 1/24

IPC 8 full level
E04B 1/98 (2006.01); **E04H 9/02** (2006.01)

CPC (source: EP US)
E04B 1/98 (2013.01 - EP); **E04H 9/02** (2013.01 - EP US)

Citation (search report)

- [A] DE 804134 C 19510416 - VER WESTDEUTSCHE WAGGONFAB
- [A] DE 2418824 B2 19790118
- [A] FR 2065639 A1 19710806 - DAVUM
- [A] DE 1831378 U 19610518 - RIPPENSTRECKMETALL GES M B H [DE]

Cited by
CN106522367A; CN113700137A; FR2743588A1; CN105525774A; CN106193290A; CN112502022A; WO9726418A1; JP2013249618A

Designated contracting state (EPC)
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