

Title (en)
IMPROVED BUILDING STRUCTURE AND METHOD OF USE.

Title (de)
VERBESSERTE BAUSTRUKTUR UND VERFAHREN ZUR BENUTZUNG.

Title (fr)
STRUCTURE DE CONSTRUCTION AMELIOREE ET PROCEDE D'UTILISATION.

Publication
EP 0623182 A1 19941109 (EN)

Application
EP 93903439 A 19930112

Priority

- CA 2220078 A 19950505
- US 9300271 W 19930112
- US 82240592 A 19920117
- US 89790992 A 19920612
- US 9505815 W 19950505

Abstract (en)
[origin: WO9314278A1] An improved building structure and method of use comprising separately fabricated floor (12), wall (42) and ceiling (174) structures capable of withstanding shear and seismic forces. The floor (12) and ceiling (174) structures of the present invention generally comprise I-beams (14) having foam panels (32) extending therebetween. The wall structure comprises an elongate track (44) rigidly secured to the foundation structure (28) of the building having a plurality of posts (56) secured thereto. Disposed between the posts are a plurality of interlocking foam wall sections (126) which encapsulate the posts (56) of the wall structure. Attached to the top surfaces of the posts are header beams (98, 100) which serve as a support structure for the ceiling structure (174).

Abstract (fr)
Structure de construction améliorée et son procédé d'utilisation. Ladite structure comprend un plancher (12), des parois (42) et un plafond (174) fabriqués séparément et capables de résister à des forces de cisaillement et à des forces sismiques. Le plancher (12) et le plafond (174) selon l'invention comprennent généralement des poutres en forme de I (14) entre lesquelles s'étendent des panneaux en mousse (32). Les parois comprennent une glissière allongée (44) fixée rigidement à la structure de fondation (28) de la construction et à laquelle sont fixés plusieurs piliers (56). Entre les piliers se trouve une pluralité de sections de parois en mousse (126) se fixant les unes aux autres et enrobant les piliers (56) des parois. Des poutres maitresses (98, 100) sont fixées aux surfaces supérieures des piliers et servent de structure de plafond (174).

IPC 1-7
E04B 1/00

IPC 8 full level
B26D 1/00 (2006.01); **B26D 3/06** (2006.01); **B26F 3/08** (2006.01); **E04B 1/00** (2006.01); **E04B 1/76** (2006.01); **E04B 2/70** (2006.01); **E04B 7/22** (2006.01); **E04H 3/02** (2006.01); **E04B 1/24** (2006.01); **E04C 3/02** (2006.01)

CPC (source: EP)
B26D 3/006 (2013.01); **B26D 3/06** (2013.01); **B26F 3/08** (2013.01); **E04B 1/0007** (2013.01); **E04B 1/7654** (2013.01); **E04B 2/707** (2013.01); **E04B 7/22** (2013.01); **E04H 3/02** (2013.01); **E04B 1/76** (2013.01); **E04B 2001/2415** (2013.01); **E04B 2001/2451** (2013.01); **E04B 2001/2454** (2013.01); **E04B 2001/2481** (2013.01); **E04B 2001/249** (2013.01); **E04B 2001/2496** (2013.01); **E04C 2003/026** (2013.01)

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

DOCDB simple family (publication)
WO 9314278 A1 19930722; AU 3470293 A 19930803; AU 674665 B2 19970109; EP 0623182 A1 19941109; EP 0623182 A4 19960522

DOCDB simple family (application)
US 9300271 W 19930112; AU 3470293 A 19930112; EP 93903439 A 19930112