

Title (en)

STRUCTURALLY INTEGRATED ACCESSIBLE FLOOR SYSTEM

Title (de)

STRUKTURINTEGRIERTES ZUGÄGNGLICHES BODENSYSTEM

Title (fr)

SYSTÈME DE PLANCHER À STRUCTURE INTÉGRÉE ET À ESPACE ACCESSIBLE

Publication

**EP 2430252 B1 20191204 (EN)**

Application

**EP 10720975 A 20100519**

Priority

- US 2010035467 W 20100519
- US 46876709 A 20090519
- US 55213209 A 20090901

Abstract (en)

[origin: WO2010135464A1] A floor system for a building includes prefabricated grid sections attached to framing members of the building and a plurality of panels mounted to the grid to form a structurally integrated floor. The panels are removable to provide access to space below the floor that would otherwise be inaccessible in a conventional floor. A subfloor deck below the floor separates one building story from another and encloses the space between the floor and the deck, which can be used for temporary and permanent installations including, for example, pipes for water, laboratory gases, and compressed air, and power, telephone, and data cables; and as a plenum for HVAC. Either or both of the floor and the subfloor deck can be attached to the building frame to function as a diaphragm. The floor system replaces conventional permanent structural floors and raised accessible flooring systems.

IPC 8 full level

**E04B 5/10** (2006.01); **E04B 5/14** (2006.01)

CPC (source: EP)

**E04B 5/10** (2013.01); **E04B 5/14** (2013.01)

Cited by

CN111622403A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

**WO 2010135464 A1 20101125**; CA 2762775 A1 20101125; CA 2762775 C 20170905; EP 2430252 A1 20120321; EP 2430252 B1 20191204

DOCDB simple family (application)

**US 2010035467 W 20100519**; CA 2762775 A 20100519; EP 10720975 A 20100519