

Title (en)

SYSTEM FOR ALLOWING BUILDINGS EVACUATION IN CASE OF EARTHQUAKE AND OPERATING METHOD THEREOF

Title (de)

SYSTEM ZUR EVAKUIERUNG VON GEBÄUDEN IM FALLE EINES ERDBEBENS UND BETRIEBSVERFAHREN DAFÜR

Title (fr)

SYSTÈME POUR PERMETTRE L'ÉVACUATION DE BÂTIMENTS EN CAS DE TREMBLEMENT DE TERRE, ET SON PROCÉDÉ DE FONCTIONNEMENT

Publication

EP 3445927 A1 20190227 (EN)

Application

EP 17731654 A 20170406

Priority

- IT UA20162699 A 20160419
- IT 2017000069 W 20170406

Abstract (en)

[origin: WO2017183050A1] The present invention concerns a system (S) for allowing the evacuation of buildings (E) in case of earthquake or disaster in general, said building (E) having one or more compartments (C), such as an apartment, a corridor and the like, said system (S) comprising a remote control central unit (1), provided with transceiver means, one or more peripheral units (2), each one located in a compartment (C) to be monitored, said one or more peripheral units (2) being provided with wireless transceiver means and being connectable to one or more further peripheral units (2) and said control central unit (1), one or more doors (P) each one having one or more wings (21), each of said peripheral units (2) being housed in one respective of said wings (21) of a respective door (P), the overall arrangement of said door (P) being such as to allow the evacuation of any people from the respective compartment (C), in which it is installed and the protection of said peripheral unit (2) installed in the wing (21) in case of a possible earthquake or natural disaster in general, and detection and communication means (4), functionally connected to said peripheral unit (2), adapted to detect physical and biological data within the volume of said compartments (C) of said building (E), so that said peripheral unit (2) is capable to transmit them to said central control unit (1). The present invention also concerns a method for the operation of a system (S) to allow the evacuation of buildings in case of earthquake disasters or general disaster.

IPC 8 full level

E04H 9/02 (2006.01); **E05F 1/00** (2006.01); **E05F 15/72** (2015.01)

CPC (source: EP US)

E04H 9/02 (2013.01 - EP US)

Citation (search report)

See references of WO 2017183050A1

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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2017183050 A1 20171026; EP 3445927 A1 20190227; EP 3445927 B1 20200205; IT UA20162699 A1 20171019

DOCDB simple family (application)

IT 2017000069 W 20170406; EP 17731654 A 20170406; IT UA20162699 A 20160419