

Title (en)

SPACE LIGHT STEEL FRAME CONCRETE BUILDING AND CONSTRUCTION METHOD THEREOF

Title (de)

RAUMLICHTSTAHLRAHMEN-BETONGEBÄUDE UND KONSTRUKTIONSVERFAHREN DAFÜR

Title (fr)

CONSTRUCTION DE SURFACES EN BETON A CHARPENTE METALLIQUE LEGERE ET SON PROCEDE DE CONSTRUCTION

Publication

EP 2530211 A4 20140409 (EN)

Application

EP 11736649 A 20110128

Priority

- CN 201010104259 A 20100129
- CN 2011070772 W 20110128

Abstract (en)

[origin: EP2530211A1] A spatial light steel frame concrete building and a method for constructing the same are provided. The building comprises: a wall spatial light steel frame; a floor slab spatial light steel frame connected to the wall spatial light steel frame to form a building unit spatial light steel frame; and concrete poured in the building unit spatial light steel frame. The wall spatial light steel frame and the floor slab spatial light steel frame each comprise a welded mesh reinforcement, and a plurality of trellis profile steels spaced apart from each other and each having a plurality of stretching holes. Each trellis profile steel comprises two wing edges parallel to each other and a plurality of web members between the wing edges which are integrally formed, the stretching holes are defined by the web members, and the web members and the stretching holes are formed by stretching the wing edges.

IPC 8 full level

E04B 1/19 (2006.01); **E04B 1/30** (2006.01)

CPC (source: EP US)

E04B 1/161 (2013.01 - EP US); **E04C 3/08** (2013.01 - EP US)

Citation (search report)

- [XYI] US 4107886 A 19780822 - RAY ORLANDO F, et al
- [XYI] CN 100451257 C 20090114 - INST OF ARCHITECTURAL DESIGN T [CN]
- [A] US 1006047 A 19111017 - BATES ALBERT J [US]
- [A] US 804614 A 19051114 - MOORMAN ROBERT R [US], et al
- [Y] FR 1337089 A 19630906 - TRAVAUX POUR LA CONSTRUCTION E
- See references of WO 2011091767A1

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

DOCDB simple family (publication)

EP 2530211 A1 20121205; EP 2530211 A4 20140409; EP 2530211 B1 20160907; CA 2788118 A1 20110804; CA 2788118 C 20141014; CN 101736809 A 20100616; CN 101736809 B 20110511; RU 2506376 C1 20140210; US 2012304563 A1 20121206; WO 2011091767 A1 20110804

DOCDB simple family (application)

EP 11736649 A 20110128; CA 2788118 A 20110128; CN 201010104259 A 20100129; CN 2011070772 W 20110128; RU 2012136889 A 20110128; US 201113575682 A 20110128