

Title (en)

LINEAR MODULE FOR BUILDINGS FOR THE MAKING OF STRUCTURAL FRAMES OF PREFABRICATED BUILDINGS WITH THERMAL INSULATION, KIT FOR BUILDINGS AND PREFABRICATED BUILDING THEREOF

Title (de)

LINEARMODUL FÜR GEBÄUDE ZUR HERSTELLUNG VON KONSTRUKTIONSRAHMEN VON FERTIGHÄUSERN MIT WÄRMEDÄMMUNG, BAUSATZ FÜR GEBÄUDE UND GEBÄUDE

Title (fr)

MODULE LINÉAIRE POUR BÂTIMENTS POUR LA RÉALISATION DE CADRES STRUCTURELS DE BÂTIMENTS PRÉFABRIQUÉS AVEC ISOLATION THERMIQUE, KIT POUR BÂTIMENTS ET BÂTIMENT PRÉFABRIQUÉ CORRESPONDANT

Publication

EP 3892786 A1 20211013 (EN)

Application

EP 21167474 A 20210408

Priority

IT 202000007471 A 20200408

Abstract (en)

This invention relates to a linear building module (70; 71) for making structural frames of thermally insulated multi-storey buildings, comprising an upper face, a lower face, substantially parallel to said upper face, and four lateral faces, said linear module (70; 71) comprising: an inner body (10) comprising a plurality of structural elements (11; 12) spaced apart from each other so as to form a plurality of cavities, said structural elements (11; 12) comprising at least two perimeter elements (11) arranged on respective opposing lateral faces of said linear module (70; 71); filling elements (20) made of thermally insulated material, placed in said plurality of cavities so as to fill them; and at least two outer cover elements (30', 30'') for covering said body (10) and said filling elements (20) at said lower face and said upper face, respectively, said cover elements (30', 30'') being blocked, by means of blocking means, to said body (10) so as to form a self-supporting element. This invention also relates to a kit comprising at least two linear building modules (70; 71) and to a multi-storey building formed by such linear modules (70; 71).

IPC 8 full level

E04B 2/70 (2006.01); **E04B 5/12** (2006.01); **E04C 3/12** (2006.01); **E04C 3/18** (2006.01); **E04C 3/29** (2006.01); **E04C 3/292** (2006.01); **E04C 3/36** (2006.01)

CPC (source: EP)

E04B 2/701 (2013.01); **E04B 5/12** (2013.01); **E04C 3/127** (2013.01); **E04C 3/29** (2013.01); **E04C 3/292** (2013.01); **E04C 3/36** (2013.01); **E04C 3/122** (2013.01); **E04C 3/18** (2013.01)

Citation (applicant)

- EP 2920377 B1 20171220 - POPUP-HOUSE [FR]
- IT 201500077457 A
- IT UB20155972 A1 20170527 - G R SISTEMI HOLZINDUSTRIE S R L
- US 10196809 B2 20190205 - HALL DAVID R [US], et al
- EP 0237044 A1 19870916 - THERMOCUBE INC [CA]
- US 4187655 A 19800212 - ANDERSON ERNEST L [US]
- EP 2149645 A1 20100203 - BEDOGNI LUCIANO [IT]
- US 8161699 B2 20120424 - LEBLANG DENNIS WILLIAM [US]
- WO 2015071821 A1 20150521 - AIME ENRICO [IT]

Citation (search report)

- [X] US 2018274235 A1 20180927 - VIENS MAURICE [CA]
- [X] FR 2971802 A1 20120824 - GOUTHERAUD GILBERT [FR]
- [X] WO 2015121886 A1 20150820 - CASTELLI SETTIMIO [IT]

Cited by

CN115387465A; WO2024074978A1; WO2024074982A1; WO2024074983A1; WO2024033641A1

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)

EP 3892786 A1 20211013; IT 202000007471 A1 20211008

DOCDB simple family (application)

EP 21167474 A 20210408; IT 202000007471 A 20200408