

Title (en)

Hinging device, modular building system and method

Title (de)

Einhängvorrichtung, modulares Bausystem und Verfahren

Title (fr)

Dispositif d'articulation, système de construction modulaire et procédé

Publication

EP 2789783 B1 20200527 (EN)

Application

EP 14163907 A 20140408

Priority

- GB 201306264 A 20130408
- GB 201318643 A 20131022

Abstract (en)

[origin: EP2789783A1] The invention relates to modular building constructions, wall modules (90) for such constructions and to hinging devices (10) used to attach articles (80a, 80b) such as windows and doors to the wall modules. The wall modules may comprise one or more apertures (95, 97, 99) for a window or door and one or more hinging devices. The hinging devices comprise a first fixing component (66/24) for attaching the hinging device to the wall module. A second fixing component (20/21/23) is provided for attaching the hinging device to the window. First and second moveable arms (22a, 22b) are pivotally mounted to the first fixing component. The first and second moveable arms may each comprise a slot (54, 52) and may each be coupled to the first fixing component (66/24) and to one another, via said slot. The hinging device maintains a secure attachment of the window to the wall module and releasably secures the window to the wall module in a first position wherein the window is stowed entirely within the aperture. The window is permanently secured to the wall module in a second installation position wherein the window stands proud of an outer surface (90b) of the wall module. The second installation position is linearly spaced from the first position by a distance that may be proportional to the depth of a cavity provided between the wall module and an exterior skin ('B') of the modular building construction. The hinging device controls the linear movement of the window relative to the wall module from the first, stowed, position to the second installation position.

IPC 8 full level

E06B 1/60 (2006.01)

CPC (source: EP GB)

E05D 3/18 (2013.01 - GB); **E05D 15/34** (2013.01 - GB); **E06B 1/60** (2013.01 - GB); **E06B 1/603** (2013.01 - EP GB); **E06B 1/6046** (2013.01 - GB)

Citation (examination)

- DE 20220865 U1 20040519 - ESCO METALLBAUSYSTEME GMBH [DE]
- GB 2304805 A 19970326 - COTSWOLD ARCHITECT PROD [GB]

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 2789783 A1 20141015; **EP 2789783 B1 20200527**; GB 201306264 D0 20130522; GB 201318643 D0 20131204; GB 2512832 A 20141015; GB 2512832 B 20170419; GB 2512961 A 20141015; GB 2512961 B 20180228

DOCDB simple family (application)

EP 14163907 A 20140408; GB 201306264 A 20130408; GB 201318643 A 20131022