

Title (en)

Single module detachable, sliding assembly, aluminium sub-construction system for cladding materials such as glass, ceramic, etc.

Title (de)

Einteilige lösbare Schiebeanordnung und Aluminiumunterbausystem für Hüllmaterialien wie Glas, Keramik usw

Title (fr)

Module simple détachable, ensemble coulissant, système de sous-construction d'aluminium pour revêtir des matériaux tel le verre, la céramique, etc.

Publication

EP 2453075 A1 20120516 (EN)

Application

EP 10191076 A 20101112

Priority

EP 10191076 A 20101112

Abstract (en)

The present invention is a sub-construction system wherein aluminum profiles with special geometric shapes are connected to the building by using anchorages (5); modules (15) are composed by assembling frame profiles (2) and cladding materials (7) such as ceramic, wood, aluminum, clay, glass, composite, etc.; modules are assembled to the tab (1.1) on main load-bearing profile (1) by being clamped by means of locking claw (6.2) with special geometric cross-section of fixing plastic (6) without using connection part such as screw, rivet, etc.; fixing sets are not slip by themselves; gaskets, which provide water, dust and air tightness, are assembled to the channels (assembling groove) (2.3) with special geometric shape in the frame profiles (2) of the modules; mechanical support profile (4), which carry dead loads of modules and axial movement due to the wind load, are used; water, dust, air tightness is provided by attaching vertical/horizontal gaskets to the channels with special geometric shape in the main load-bearing profiles after installation of modules (15) to the main load-bearing profile (1); if required, desired module (15) can be disassembled by using disassembly tool (10) with special geometric shape after completed installation of the façade.

IPC 8 full level

E04F 13/08 (2006.01)

CPC (source: EP)

E04F 13/081 (2013.01); **E04F 13/083** (2013.01)

Citation (applicant)

US 2008010922 A1 20080117 - WAGNER RUDOLF [DE]

Citation (search report)

- [X] EP 1882791 A2 20080130 - RIZZA DOMENICO [IT]
- [X] EP 0657601 A1 19950614 - ADENDA SA [FR]
- [X] DE 9311911 U1 19931202 - BAUMJOHANN ADOLF [DE]
- [X] DE 1659937 A1 19710128 - GOETZ KG METALLBAU
- [X] FR 2133902 A1 19721201 - ALUMINIUM WALZWERKE SINGEN
- [X] DE 202008011312 U1 20081204 - IDEEMATEC DEUTSCHLAND GMBH [DE]
- [X] GB 1158608 A 19690716 - TURNERS ASBESTOS CEMENT CO
- [X] DE 3032343 A1 19820311 - HAHN GMBH & CO KG DR [DE]
- [X] EP 0549215 A1 19930630 - HUNTER DOUGLAS IND BV [NL]

Cited by

AT515910A4; AT515910B1

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 2453075 A1 20120516; EP 2453075 B1 20141029

DOCDB simple family (application)

EP 10191076 A 20101112