

Title (en)
MODULAR SANDWICH PANEL AND ASSEMBLY METHOD

Title (de)
MODULARE VERBUNDPLATTE UND MONTAGEVERFAHREN

Title (fr)
PANNEAU SANDWICH MODULAIRE ET SON PROCÉDÉ D'ASSEMBLAGE

Publication
EP 2432948 B1 20160504 (EN)

Application
EP 10710937 A 20100204

Priority
• SI 2010000005 W 20100204
• SI 200900028 A 20090204

Abstract (en)
[origin: WO2010090607A2] Modular system of sandwich panels and its installation in multi functional building covering is self-carrying and does not require load-bearing walls or additional substructures while meeting the requirements for fire resistance, air- and water-tightness and thermal insulation at no additional risks from external impacts and effects of the human element during installation in different ways (modes) of installation. Also gasket is fitted during manufacturing stage thus resolving the technical problem of quality and sustainability of leakage due to external influences and impacts the human element during installation. Modular sandwich panels are linear modular components suitable for installation meeting the requirements of architects for perfect appearance of the modules - screens in facades. Modular sandwich panel (1) is comprised of lower plate (9), the internal joint gasket (10), an insulating core (8), the cover (5), the longitudinal connection gasket on the outer side (11), a corner-gasket "man" (6), two corner-gaskets "woman" (7) and the rest of parts integrated into the cover. In pre-assembled element of modular panel have also been fitted all gaskets of longitudinal connections and also in corner connections which are key elements for air-and water-tightness facades in different directions and were developed specifically for this purpose. Moreover, in pre-assembled modular panel has also reinforcement elements built in transverse direction that contribute to self-carrying ability of modular panels and quick and easy installation.

IPC 8 full level
E04C 2/292 (2006.01)

CPC (source: EP)
E04C 2/292 (2013.01); **E04F 13/0889** (2013.01)

Designated contracting state (EPC)
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 SE SI SK SM TR

Designated extension state (EPC)
BA RS

DOCDB simple family (publication)
WO 2010090607 A2 20100812; WO 2010090607 A3 20130801; CY 1117523 T1 20170426; DK 2432948 T3 20160606;
EP 2432948 A2 20120328; EP 2432948 B1 20160504; ES 2572374 T3 20160531; HR P20160524 T1 20160715; HU E029163 T2 20170228;
ME 02487 B 20170220; PL 2432948 T3 20160831; RS 54821 B1 20161031; SI 22975 A 20100831; SI 22975 B 20160630;
SI 2432948 T1 20160729; SM T201600165 B 20160701

DOCDB simple family (application)
SI 2010000005 W 20100204; CY 161100424 T 20160517; DK 10710937 T 20100204; EP 10710937 A 20100204; ES 10710937 T 20100204;
HR P20160524 T 20160517; HU E10710937 A 20100204; ME P9416 A 20100204; PL 10710937 T 20100204; RS P20160335 A 20100204;
SI 200900028 A 20090204; SI 201031189 A 20100204; SM 201600165 T 20160609