

Title (en)
SANDWICH PANEL and METHOD OF BUILDING SUCH A SANDWICH PANEL

Title (de)
SANDWICH-PANEEL und VERFAHREN ZUR HERSTELLUNG SOLCH EINES SANDWICH-PANEELS

Title (fr)
PANNEAU SANDWICH et PROCÉDÉ DE CONSTRUCTION D'UN TEL PANNEAU SANDWICH

Publication
EP 2844802 B1 20180711 (EN)

Application
EP 12724416 A 20120501

Priority
NL 2012050302 W 20120501

Abstract (en)
[origin: WO2013165235A1] The invention relates to a sandwich panel, comprising: -a core, comprising: -a plurality of zigzag-shaped first spacers extending in a first longitudinal direction, each first spacer comprising at each corner thereof a first loop; -a plurality of zigzag-shaped second spacers extending in the first longitudinal direction, each second spacer comprising at each corner thereof a second loop, each second loop having outer dimensions that are smaller than the inner dimensions of each first loop, -wherein the second loops of each second spacer extend through the first loops of an adjacent first spacer; -wherein the openings defined by the second loops of successive second spacers are registered in rows extending in a second longitudinal direction, which second longitudinal direction extends under an angle of at least 20° with respect to the first longitudinal direction; and -wherein the first spacers and the second spacers define a second zigzag-shape in the second longitudinal direction; -two skin layers arranged on opposite sides of the core, wherein each skin layer comprises a plurality of openings through which the second loops extend; -a plurality of rods, each rod extending through the openings of the second loops of each row at the outer surface of each skin layer such that each rod locks the second loops in the first loops with respect to the skin layer. The invention further relates to a method of building such a sandwich panel, a core of such a sandwich panel, and a building built of a plurality of such sandwich panels.

IPC 8 full level
E04B 2/84 (2006.01); **E04C 2/34** (2006.01); **E04C 5/06** (2006.01); **E04C 5/07** (2006.01); **E04B 2/86** (2006.01); **E04C 5/065** (2006.01)

CPC (source: CN EP US)
E04B 1/19 (2013.01 - US); **E04B 2/84** (2013.01 - CN EP US); **E04C 2/34** (2013.01 - CN EP US); **E04C 5/0636** (2013.01 - EP US); **E04C 5/07** (2013.01 - EP US); **E04B 2/845** (2013.01 - CN EP US); **E04B 2/8658** (2013.01 - CN EP US); **E04B 2001/1954** (2013.01 - US); **E04B 2001/1975** (2013.01 - US); **E04C 5/065** (2013.01 - EP US); **E04C 2002/3488** (2013.01 - CN EP US); **Y10T 29/49629** (2015.01 - EP US); **Y10T 428/24322** (2015.01 - EP US); **Y10T 428/24636** (2015.01 - EP US)

Cited by
GB2582845A; GB2582845B

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)
WO 2013165235 A1 20131107; BR 112014027179 A2 20170627; CN 104379841 A 20150225; EA 026350 B1 20170331; EA 201401187 A1 20150227; EP 2844802 A1 20150311; EP 2844802 B1 20180711; US 2015132535 A1 20150514

DOCDB simple family (application)
NL 2012050302 W 20120501; BR 112014027179 A 20120501; CN 201280074042 A 20120501; EA 201401187 A 20120501; EP 12724416 A 20120501; US 201214398095 A 20120501