

Title (en)

BUILDING ELEMENT WITH FIRST AND SECOND COVER LAYERS AND INTERMEDIATE CORE HAVING TWO DIFFERENT MATERIALS

Title (de)

BAUELEMENT MIT ERSTEN UND ZWEITEN DECKSCHICHTEN SOWIE ZWISCHENKERN AUS ZWEI UNTERSCHIEDLICHEN MATERIALIEN

Title (fr)

ÉLÉMENT DE CONSTRUCTION PRÉSENTANT PREMIÈRE ET SECONDE COUCHE DE COUVERTURE ET UN NOYAU INTERMÉDIAIRE EN DEUX MATÉRIAUX DIFFÉRENTS

Publication

**EP 3042003 A1 20160713 (EN)**

Application

**EP 14841574 A 20140901**

Priority

- SE 1300583 A 20130906
- SE 2014000109 W 20140901

Abstract (en)

[origin: WO2015034409A1] Building element with cover layers (11, 19) connected to opposite sides of a core of a first (12, 13, 14, 15, 16) and a second (17, 18) core material. The cover layers (11; 19) comprise at least one stiffening layer having a thickness of at least 5 mm and a modulus of elasticity higher than 3000 MPa. The first core material (12, 13, 14, 15, 16) has a higher modulus of elasticity than the second core material (17, 18), whose modulus of elasticity is lower than 10 MPa. Edge pieces (12, 13, 15, 16) of the first core material surround intermediate pieces (17, 18) of the second core material, which cover at least 60 % of the area inside the edge pieces (12, 13, 15, 16). The cover layers (11, 19) are connected to the edge pieces (12, 13, 15, 16) by means of a fire- resistant adhesive, which covers at least 5 % of the area of the cover layers (11, 19) for a shear-resistant connection where the cover layers (11, 19) are at least 70 mm from each other with the first core material (12, 13, 15, 16) as a spacing element.

IPC 8 full level

**E04B 1/94** (2006.01); **E04B 1/90** (2006.01); **E04C 2/24** (2006.01); **E04C 2/284** (2006.01); **E04C 2/292** (2006.01); **E04C 2/296** (2006.01)

CPC (source: EP SE)

**E04B 1/90** (2013.01 - EP); **E04B 1/942** (2013.01 - SE); **E04C 2/243** (2013.01 - EP SE); **E04C 2/246** (2013.01 - EP); **E04C 2/284** (2013.01 - SE); **E04C 2/292** (2013.01 - SE); **E04C 2/296** (2013.01 - SE)

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 2015034409 A1 20150312**; DK 3042003 T3 20180522; EP 3042003 A1 20160713; EP 3042003 A4 20160824; EP 3042003 B1 20180207; NO 3042003 T3 20180707; SE 1300583 A1 20150307; SE 537477 C2 20150512

DOCDB simple family (application)

**SE 2014000109 W 20140901**; DK 14841574 T 20140901; EP 14841574 A 20140901; NO 14841574 A 20140901; SE 1300583 A 20130906