

Title (en)

BUILDING ELEMENT WITH FIRST AND SECOND COVER LAYERS AND INTERMEDIATE CORE

Title (de)

BAUELEMENT MIT ERSTEN UND ZWEITEN DECKSCHICHTEN UND ZWISCHENKERN

Title (fr)

ÉLÉMENT DE CONSTRUCTION PRÉSENTANT UNE PREMIÈRE ET UNE SECONDE COUCHE DE COUVERTURE ET UN NOYAU INTERMÉDIAIRE

Publication

EP 3042003 A4 20160824 (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)

Citation (search report)

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Designated contracting state (EPC)

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