

Title (en)  
A WALL ELEMENT

Title (de)  
WANDELEMENT

Title (fr)  
ELÉMENT POUR MURS

Publication  
**EP 3688241 A1 20200805 (EN)**

Application  
**EP 19707127 A 20190213**

Priority  
• LT 2018506 A 20180222  
• IB 2019051148 W 20190213

Abstract (en)  
[origin: WO2019162804A1] The invention relates to the element of building walls and other partition structures. The wall element consists of a plurality of vertical bars of 2000-3500 mm in height having rectangular cross section and made of glued wood, arranged in a single line at a distance of 600-700 mm apart, interconnected by horizontal beams with the same cross-section attached to the top and bottom of vertical bars and together with vertical bars forming the frame of the wall element closed from both sides with OSB sheets with a plurality of thermo-insulating air chambers arranged therebetween formed by a continuous metallised oriented polypropylene (OPP) film unrolled parallel to the OSB sheets multiple times up and down through the entire height and width of the vertical bars with a gap of 10-15 mm between the adjacent films, where the spacing between the adjacent films is formed by appropriate interconnected polystyrene strips of 10-15 mm in width and 30-40 mm in height fixed at the top and bottom of the frame.

IPC 8 full level  
**E04B 1/76** (2006.01); **E04C 2/296** (2006.01); **E04C 2/38** (2006.01)

CPC (source: EP)  
**E04C 2/296** (2013.01); **E04C 2/386** (2013.01); **E04B 1/10** (2013.01); **E04B 2001/7691** (2013.01)

Citation (search report)  
See references of WO 2019162804A1

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 2019162804 A1 20190829**; DK 3688241 T3 20211101; EP 3688241 A1 20200805; EP 3688241 B1 20210728; ES 2896886 T3 20220228; LT 2018506 A 20180827; LT 6556 B 20180925; PL 3688241 T3 20220103

DOCDB simple family (application)  
**IB 2019051148 W 20190213**; DK 19707127 T 20190213; EP 19707127 A 20190213; ES 19707127 T 20190213; LT 2018506 A 20180222; PL 19707127 T 20190213