

Title (en)  
WALL STRUCTURE

Title (de)  
WANDAUFBAU

Title (fr)  
STRUCTURE DE MUR

Publication  
**EP 4276255 A1 20231115 (EN)**

Application  
**EP 23171027 A 20230502**

Priority  
FI 20225404 A 20220509

Abstract (en)  
A wall structure (100) comprising composite panels (1). The wall structure further comprises a wall support structure (4) arranged for carrying at least part of the weight of the composite panels, and a support element (5) for transmitting the weight of the composite panel to the wall support structure (4). The support element (5) comprises a first attachment part (6) attached to the wall support structure (4) and having width not more than the width of a vertical seam between the panels, a second attachment part (7) attached to an outer surface of the composite panel (1) and having width more than the width of the vertical seam, and a shaft part (8) connecting the first attachment part (6) to the second attachment part (7) and having width not more than the width of the vertical seam. The shaft part (8) is in the vertical panel seam (2) and extends diagonally downwards from the first attachment part (6) to the second attachment part (7).

IPC 8 full level  
**E04B 1/76** (2006.01); **E04C 2/292** (2006.01)

CPC (source: EP FI)  
**E04B 1/7608** (2013.01 - FI); **E04B 1/7629** (2013.01 - EP); **E04B 2/02** (2013.01 - FI); **E04B 2/58** (2013.01 - FI); **E04C 1/40** (2013.01 - FI); **E04C 2/08** (2013.01 - FI); **E04C 2/292** (2013.01 - EP FI); **E04C 2/384** (2013.01 - FI); **E04C 2/40** (2013.01 - FI); **E04C 2/46** (2013.01 - FI); **E04C 5/18** (2013.01 - FI); **E04F 13/07** (2013.01 - FI)

Citation (search report)  
• [X] CA 3087396 A1 20220115 - LEANING ANTHONY [CA]  
• [I] WO 2011085507 A1 20110721 - FLUMROC AG [CH], et al  
• [A] DE 20203555 U1 20020529 - BIERBACH GMBH & CO KG BEFESTIG [DE]  
• [A] EP 3772556 A1 20210210 - RAUTARUUKKI OYJ [FI]

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4276255 A1 20231115**; FI 131059 B1 20240822; FI 20225404 A1 20231110

DOCDB simple family (application)  
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