

Title (en)  
FIREPROOF WALL

Title (de)  
FEUERFESTE WAND

Title (fr)  
PAROI IGNIFUGE

Publication  
**EP 4134496 A1 20230215 (EN)**

Application  
**EP 22189715 A 20220810**

Priority  
FI 20215847 A 20210811

Abstract (en)

A fireproof wall (100), comprising sandwich panels (1) having a first and a second face skins (2, 3) of sheet metal, and a first and second attachment edges (4, 5) arranged on opposite edges of the sandwich panel (1). The attachment edge (4, 5) comprises an attachment profile (6) being formed from at least one of said face skins (2, 3) and shaped for a tongue-and-groove attachment. The fireproof wall (100) further comprises a joint (7) in which two sandwich panels (1) are adapted to be connected to each other by at least one tongue-and-groove attachment by their attachment profiles (6), and a fastener (12) in the joint (7) arranged through a tongue (13) of one of said two sandwich panels (1) and a groove (14) of another of said two sandwich panels (1). A resilient fitting plate (8) is adapted to be attached on the joint (7), the resilient fitting plate (8) comprising a first fitting edge (9) adapted to be attached to a first of said two sandwich panels (1) and a second fitting edge (10) adapted to be attached to a second of said two sandwich panels (1), and at least one bulge (11) arranged between said first and second fitting edges (9, 10) in parallel to the edges of said sandwich panels (1) arranged in the joint (6). The bulge (11) is configured to extend outwards away from the panels (1).

IPC 8 full level  
**E04C 2/292** (2006.01); **E04B 2/02** (2006.01); **E04C 2/00** (2006.01)

CPC (source: EP FI)  
**E04B 1/948** (2013.01 - FI); **E04C 2/292** (2013.01 - EP FI); **E04B 2002/0228** (2013.01 - EP); **E04C 2002/004** (2013.01 - EP)

Citation (search report)

- [X] EP 1088947 A2 20010404 - THYSSENKRUPP STAHL AG [DE]
- [I] EP 3315683 B1 20210616 - LINDAB AB [SE]
- [I] WO 2017122840 A1 20170720 - KIRIN IND CO LTD [KR]
- [A] US 2018016786 A1 20180118 - BOYD MARK A [US]

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**EP 4134496 A1 20230215**; FI 20215847 A1 20230212

DOCDB simple family (application)

**EP 22189715 A 20220810**; FI 20215847 A 20210811