

Title (en)

FAÇADE CONSTRUCTION USING THROUGH WALL THERMAL STUD

Title (de)

FASSADENKONSTRUKTION MIT VERWENDUNG EINES WÄRMEWANDSTÄNDERS

Title (fr)

CONSTRUCTION DE FAÇADE UTILISANT UN MONTANT THERMIQUE TRAVERSANT LES PAROIS

Publication

**EP 3988731 A1 20220427 (EN)**

Application

**EP 21187146 A 20210722**

Priority

GB 202011449 A 20200723

Abstract (en)

The present invention relates to a stud assembly for passing through a cavity wall, said stud assembly comprising: a quadrilateral plate comprising perforations, said plate comprising two opposing faces and four edges; an internal angle (13) for attaching to a first edge of the plate and also for attaching to an internal portion of a wall; an external angle (14) for attaching to a second edge of the plate and also for attaching to an external portion of the cavity wall; wherein the first edge and the second edge correspond to opposite edges of the quadrilateral plate. The stud assembly is prismatic and designed to be capable of being located by a robot and welded together by a robot. Therefore, the stud assembly may form a wall system suitable for automated manufacture.

IPC 8 full level

**E04B 2/62** (2006.01); **E04B 2/74** (2006.01); **E04C 3/04** (2006.01); **E04C 3/08** (2006.01); **E04C 3/29** (2006.01); **E04B 1/76** (2006.01)

CPC (source: EP GB)

**E04B 2/62** (2013.01 - EP); **E04B 2/7412** (2013.01 - EP); **E04B 2/96** (2013.01 - GB); **E04C 3/04** (2013.01 - EP GB); **E04C 3/08** (2013.01 - EP GB); **E04C 3/291** (2013.01 - EP); **E04B 2001/7679** (2013.01 - EP); **E04C 2003/0413** (2013.01 - EP GB); **E04C 2003/0465** (2013.01 - EP GB); **E04C 2003/0473** (2013.01 - EP GB)

Citation (search report)

- [XAI] US 5605024 A 19970225 - SUCATO EDWARD [US], et al
- [XAI] US 2013232911 A1 20130912 - STAL IRVING [CA], et al
- [XAI] FR 1162523 A 19580915

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)

**GB 202011449 D0 20200909**; **GB 2583314 A 20201021**; **GB 2583314 B 20221102**; EP 3988731 A1 20220427

DOCDB simple family (application)

**GB 202011449 A 20200723**; EP 21187146 A 20210722