

Title (en)

METHOD OF CONSTRUCTING A FRAME FOR A HATCH-EQUIPPED WALL OPENING, AS WELL AS FRAME STRUCTURE

Title (de)

VERFAHREN ZUR KONSTRUKTION EINES RAHMENS FÜR EINE MIT LUKE AUSGESTATTETE WANDÖFFNUNG SOWIE RAHMENSTRUKTUR

Title (fr)

PROCÉDÉ DE CONSTRUCTION D'UN CADRE POUR UNE OUVERTURE DE PAROI ÉQUIPÉE D'UNE TRAPPE, AINSI QU'UNE STRUCTURE DE SUPPORT

Publication

EP 3255236 A1 20171213 (EN)

Application

EP 17173359 A 20170530

Priority

FI 20165481 A 20160610

Abstract (en)

A method and a frame structure for an opening to be provided with a hatch (3) and made in a wall (2) constructed from a fire resistant material, said method comprising assembling the frame from one or more frame elements (4) bent from a plate-like metal material extending in a straight condition along a straight section of the opening's edge, said one or more frame elements (4) bent from a metal material comprising a rim portion (5) provided with a first segment settling against a surface of the wall (2), as well as a folding portion (7), which is connected in a bendable manner to the rim portion at least along the frame element's straight-extending section and which is provided with a first segment settling against an opposite surface of the wall, said folding portion being bent, after the frame element has been placed in a wall opening, in such a way that at least one set of clamping holes made in second segments of the rim portion and the folding portion become located sufficiently close to each other for inserting a clamping screw (8) through these holes, said clamping screw serving as a means for forcing said second segments of the rim portion and the folding portion to approach each other, which results in the first segments of the rim portion and the folding portion being pressed against opposite surfaces of the wall for fixing the frame immovably to the wall opening.

IPC 8 full level

E06B 3/16 (2006.01); **B63B 19/00** (2006.01); **E06B 3/58** (2006.01)

CPC (source: CN EP FI KR)

B63B 3/00 (2013.01 - CN); **B63B 3/56** (2013.01 - CN); **B63B 73/00** (2020.01 - CN); **E04B 1/947** (2013.01 - FI); **E04F 19/08** (2013.01 - KR); **E04F 21/0015** (2013.01 - KR); **E06B 1/14** (2013.01 - FI); **E06B 3/16** (2013.01 - EP); **E06B 5/164** (2013.01 - FI); **B63B 2019/0046** (2013.01 - EP); **E06B 3/5892** (2013.01 - EP)

Citation (search report)

- [X] GB 2070674 A 19810909 - HORMANN H
- [X] FR 1574050 A 19690711
- [X] GB 2032497 A 19800508 - WHITEHOUSE & CO LTD G

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)

EP 3255236 A1 20171213; **EP 3255236 B1 20181107**; CN 107487418 A 20171219; CN 107487418 B 20210108; ES 2709194 T3 20190415; FI 126902 B 20170731; FI 20165481 A 20170731; HR P20190200 T1 20190322; JP 2017218146 A 20171214; JP 6900244 B2 20210707; KR 20170140101 A 20171220; LT 3255236 T 20190225; PL 3255236 T3 20190531

DOCDB simple family (application)

EP 17173359 A 20170530; CN 201710432387 A 20170609; ES 17173359 T 20170530; FI 20165481 A 20160610; HR P20190200 T 20190130; JP 2017113927 A 20170609; KR 20170072641 A 20170609; LT 17173359 T 20170530; PL 17173359 T 20170530