Title (en)

LOAD-BEARING PREFABRICATED DOUBLE-SKIN FAÇADE TIMBER WALL ELEMENT

Title (de)

LASTTRAGENDES VORGEFERTIGTES ZWEISCHALIGES FASSADENHOLZWANDELEMENT

Title (fr)

ÉLÉMENT DE MUR DE FAÇADE EN BOIS PORTEUR PRÉFABRIQUÉ À DOUBLE PEAU

Publication

EP 3985191 C0 20240207 (EN)

Application

EP 21202038 A 20211011

Priority

SI 202000185 A 20201013

Abstract (en)

[origin: EP3985191A1] The present invention belongs to the field of construction, more precisely to the field of prefabricated walls. The load-bearing prefabricated double-skin façade timber wall element comprises a timber frame and two transparent glass surfaces separated by an air cavity. The inner thermal-insulating glass unit (IGU) is bonded to the timber frame with the stiff polyurethane adhesive, while the outer laminated fully-tempered glass unit is connected to the timber frame with weather-resistant silicone adhesive. A cover strip is placed from the inner side over the timber frame in order to ensure correct and precise application of the polyurethane adhesive for gluing the inner insulating glass unit, while a soft plastic spacer is installed between the timber frame and the single-layer outer glazing in order to ensure precise installation of the weather-resistant silicone adhesive. The thermal-insulating three-layer glazing on the inside of the timber frame is attached frontally to the timber frame with the polyurethane adhesive.

IPC 8 full level

E04B 2/88 (2006.01); **E06B 3/56** (2006.01); **E06B 3/58** (2006.01)

CPC (source: EP)

E04B 2/88 (2013.01); **E06B 3/56** (2013.01); **E06B 3/5814** (2013.01)

Cited by

FR3141482A1; WO2024089074A1

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

Participating member state (EPC – UP)

AT BE BG DE DK EE FI FR IT LT LU LV MT NL PT SE SI

DOCDB simple family (publication)

EP 3985191 A1 20220420; **EP 3985191 B1 20240207**; **EP 3985191 C0 20240207**; SI 26095 A 20220429

DOCDB simple family (application)

EP 21202038 A 20211011; SI 202000185 A 20201013