

Title (en)

FACADE PANEL WITH INTEGRATED WINDOW SYSTEM

Title (de)

FASSADENPLATTE MIT INTEGRIERTEM FENSTERSYSTEM

Title (fr)

PANNEAU DE FAÇADE AVEC SYSTÈME DE FENÊTRE INTÉGRÉ

Publication

EP 3999692 A4 20230823 (EN)

Application

EP 20841013 A 20200702

Priority

- US 201962874070 P 20190715
- CA 2020050919 W 20200702

Abstract (en)

[origin: WO2021007653A1] A prefabricated construction element for use in construction of multi-storey buildings. The construction element is a mass timber exterior wall panel, integrating building assemblies such as windows, exterior wall finishes, and connectors to other building components. The construction element comprises: an envelope subpanel; a feature element such as a window or door; an insulation layer; and a cladding layer, wherein the envelope subpanel comprises an upper beam along its top edge and a lower beam along its bottom edge, and a plurality of spacers disposed between the upper beam and the lower beam, defining one or more openings for receiving the feature element; wherein the insulation layer is attached to the envelope subpanel and provided with one or more openings corresponding to the feature element; wherein the cladding layer overlies the insulation layer and is attached thereto.

IPC 8 full level

E04B 2/88 (2006.01); **E04B 2/90** (2006.01); **E04B 1/10** (2006.01)

CPC (source: EP US)

E04B 2/90 (2013.01 - EP US); **E04B 1/10** (2013.01 - EP)

Citation (search report)

- [IA] US 5063718 A 19911112 - NONIS AL [CA]
- [A] FR 3022570 A1 20151225 - S E E BONNEFONT [FR]
- [A] WO 2013188211 A1 20131219 - DIRTT ENVIRONMENTAL SOLUTIONS INC [US]
- See references of WO 2021007653A1

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

DOCDB simple family (publication)

WO 2021007653 A1 20210121; CA 3145826 A1 20210121; CN 114127376 A 20220301; EP 3999692 A1 20220525; EP 3999692 A4 20230823; US 2022275641 A1 20220901

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