

Title (en)  
BUILDING ENVELOPE COMPRISING A MULTI-FUNCTIONAL GLASS ELEMENT

Title (de)  
GEBÄUDEHÜLLE MIT EINEM MULTIFUNKTIONSGLASELEMENT

Title (fr)  
COUVERTURE DE BÂTIMENT COMPORTANT UN ÉLÉMENT EN VERRE MULTIFONCTIONNEL

Publication  
**EP 3821099 A1 20210519 (DE)**

Application  
**EP 18740550 A 20180710**

Priority  
EP 2018068630 W 20180710

Abstract (en)  
[origin: WO2020011338A1] A curtain wall comprises a frame construction with a plurality of glass elements and optionally panels arranged at a distance from each other in the heat flow direction, wherein a multifunctional glass element is arranged on the interior behind the main heat-insulating plane of the curtain wall, wherein the position of the multifunctional glass element can be modified in the vertical direction and/or the horizontal direction and the multifunctional glass element comprises at least two of the functions from the list comprising (A) anti-glare protection in the form of modifiable or switchable layers, (B) a heating capacity at least in sections, (C) an embodiment with integrated LEDs as interior lighting, (D) an embodiment as an information system, particularly as a screen, at least in sections, (E) an embodiment with at least one integrated camera, and (F) an embodiment with at least one integrated loudspeaker.

IPC 8 full level  
**E06B 3/26** (2006.01); **E04B 2/88** (2006.01); **E06B 3/663** (2006.01); **E06B 3/67** (2006.01); **E06B 9/264** (2006.01)

CPC (source: EP US)  
**E04B 2/88** (2013.01 - EP US); **E06B 3/2605** (2013.01 - EP US); **E06B 3/66376** (2013.01 - EP US); **E06B 3/6722** (2013.01 - US); **E06B 3/6722** (2013.01 - EP); **E06B 2009/2643** (2013.01 - EP US)

Citation (search report)  
See references of WO 2020011338A1

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)  
**WO 2020011338 A1 20200116**; CA 3105912 A1 20200116; EP 3821099 A1 20210519; US 11585146 B2 20230221; US 2021230929 A1 20210729

DOCDB simple family (application)  
**EP 2018068630 W 20180710**; CA 3105912 A 20180710; EP 18740550 A 20180710; US 201817258718 A 20180710