

Title (en)

AN INSULATING GLASS UNIT, A METHOD OF MAKING SUCH AN INSULATING GLASS UNIT AND A METHOD OF OPERATING A DYNAMIC SHADE IN SUCH AN INSULATING GLASS UNIT, A SUBSTRATE

Title (de)

ISOLIERGLASEINHEIT, VERFAHREN ZUR HERSTELLUNG SOLCH EINER ISOLIERGLASEINHEIT UND VERFAHREN ZUM BETRIEB EINER DYNAMISCHEN BLENDE IN SOLCH EINER ISOLIERGLASEINHEIT, SUBSTRAT

Title (fr)

UNITÉ À VERRE ISOLANT, PROCÉDÉ DE FABRICATION D'UNE TELLE UNITÉ À VERRE ISOLANT ET PROCÉDÉ DE FONCTIONNEMENT DE STORE DYNAMIQUE DANS UNE TELLE UNITÉ À VERRE ISOLANT, SUBSTRAT

Publication

**EP 4271907 A1 20231108 (EN)**

Application

**EP 21840148 A 20211222**

Priority

- US 202017138528 A 20201230
- IB 2021062199 W 20211222

Abstract (en)

[origin: WO2022144705A1] Electric, potentially-driven shades usable with insulating glass (IG) units, IG units including such shades, and/or associated methods. In such a unit, a dynamic shade is located between the substrates (102, 104) defining the IG unit, and is movable between retracted and extended positions. The dynamic shade includes on-glass layers including a transparent conductor and an insulator or dielectric film, as well as a shutter (312). The shutter includes a resilient polymer- based layer and a conductive layer. A first voltage is applied to the transparent conductors to cause the shutter to extend to a closed position, and a second voltage is applied to a stop (504) to electrostatically hold the shutter (312) in the closed position. The first and second voltage levels can be reduced once the shutter (312) is extended to the closed position, the reduction to the first voltage level being greater than the reduction to the second voltage level.

IPC 8 full level

**E06B 9/264** (2006.01); **E06B 3/67** (2006.01); **E06B 9/24** (2006.01); **E06B 9/42** (2006.01)

CPC (source: EP KR)

**E06B 3/6722** (2013.01 - EP KR); **E06B 9/24** (2013.01 - EP KR); **E06B 9/264** (2013.01 - EP KR); **E06B 9/42** (2013.01 - EP KR); **E06B 2009/2464** (2013.01 - EP KR); **E06B 2009/2643** (2013.01 - EP KR)

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Designated extension state (EPC)

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Designated validation state (EPC)

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