

Title (en)
WINDOW AND CURTAIN WALL MULLIONS, TRANSOMS AND SYSTEMS

Title (de)
FENSTER- UND VORHANGFASSADENPFOSTEN, -BALKEN UND -SYSTEME

Title (fr)
MENEaux DE FENÊTRE ET MUR-RIDEAU, TRAVERSEs ET SYSTÈMES

Publication
EP 3650609 A1 20200513 (EN)

Application
EP 19020611 A 20191104

Priority
US 201816182871 A 20181107

Abstract (en)
Methods, structures and systems for environmental isolation of metal window, transom and mullion surfaces, including in one aspect a metal frame structure configured to receive an operable window, the frame structure having a first thermally insulated polymer component connected to a side of the frame structure at a side wall and spanning a total width of the side wall, and an operable window having a second thermally insulated polymer component connected to a sash assembly, the window configured to close to a position defining a first gap between the second thermally insulated polymer component and the first thermally insulated polymer component and a second gap between the sash assembly and the frame structure. In one aspect at least one seal is positioned in the first gap and abutting both the second component and the first component and at least one seal positioned in the second gap and abutting both the sash assembly and the frame structure to provide improved insulation effectiveness.

IPC 8 full level
E04B 2/56 (2006.01); **E04B 2/88** (2006.01)

CPC (source: EP)
E04B 2/56 (2013.01); **E04B 2/88** (2013.01)

Citation (search report)
[X] EP 3371387 A1 20180912 - FREMARQ INNOVATIONS INC [US]

Cited by
CN114439142A; CN113846772A; DE202022101726U1

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)
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