

Title (en)
TENSIONED SHEET WALL SYSTEM FOR A BUILDING

Title (de)
SPANNPLATTENWANDSYSTEM FÜR GEBÄUDE

Title (fr)
SYSTÈME DE MUR EN TÔLE TENDUE POUR UN BÂTIMENT

Publication
EP 4036349 A1 20220803 (EN)

Application
EP 21153711 A 20210127

Priority
EP 21153711 A 20210127

Abstract (en)
A wall system for forming a weather enclosure across a building opening in the frame of a building includes a flexible sheet of flexible material, a first rigid frame member secured across a first end of the flexible sheet, and a second rigid frame member secured across the flexible sheet in proximity to an opposing second end of the sheet. The first rigid frame member is fixedly mounted on the building frame. A tensioning assembly is operatively connected between the second rigid frame member and the building frame so as to apply tension in the longitudinal direction to a portion of the flexible sheet. The tensioning between rigid frame members spanning across opposing ends of the sheet ensures that the sheet can be supported under significant tension throughout the sheet to enable the sheet to withstand considerable wind and precipitation loads.

IPC 8 full level
E04G 5/12 (2006.01); **E04G 21/28** (2006.01); **E04G 21/24** (2006.01); **E04G 21/32** (2006.01)

CPC (source: EP)
E04G 5/12 (2013.01); **E04G 21/28** (2013.01); **E04G 21/3219** (2013.01); **E04G 2021/248** (2013.01)

Citation (applicant)
• US 5613543 A 19970325 - WALTON RONALD W [US]
• US 3805816 A 19740423 - NOLTE R
• WO 9748863 A1 19971224 - JONSERED MILJOESYSTEM AB [SE], et al

Citation (search report)
• [X] GB 2062078 A 19810520 - NICOLON NV
• [XI] GB 2273519 A 19940622 - IND TEXTILES & PLASTICS LIMITE [GB]
• [XI] US 5845423 A 19981208 - HICKS CHARLES H [US]
• [X] JP H0835335 A 19960206 - SHII S KIKAKU KK S
• [X] JP 2016047985 A 20160407 - NIPPON SAFETY KK, et al

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

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