

Title (en)
Perimeter frame and flexible sheet assembly and corner assembly

Title (de)
Randrahmen und Vorrichtung mit einer flexiblen Bahn und Eckverbindung

Title (fr)
Cadre de périphérie et dispositif avec une feuille souple et assemblage de coin

Publication
EP 1223298 A2 20020717 (EN)

Application
EP 02250147 A 20020109

Priority

- EP 02250147 A 20020109
- EP 01300165 A 20010110
- EP 01300166 A 20010110

Abstract (en)
Perimeter frame and flexible sheet assembly forming a substantially flat polygonal framed panel, said assembly including a plurality of elongate frame members, each having a generally rectangular tubular cross-section and an outwardly open longitudinal spline groove on an exterior side thereof; a plurality of nodal connectors, each engaging a longitudinal end of at least two adjacent ones of said plurality of elongate frame members to form a polygonal perimeter frame, with the longitudinal spline grooves positioned inwardly of the perimeter of said frame, a flexible sheet having a perimeter engaged in said spline grooves and at least one elongate flexible spline fitted in said spline grooves for retaining said flexible sheet, wherein said flexible spline is substantially U-shaped in cross-section, having yieldable sides and a detent edge, wherein said spline groove is inwardly contoured to offer an undercut edge and wherein said detent edge engages behind said undercut edge for retaining said flexible sheet and a corner assembly for joining elongate legs of a frame for mounting adjacent an architectural opening, the corner assembly including end portions for fitment to respective elongate legs, at least front and back surfaces extending between the end portions, walls defining an internal cavity for receiving an insert, and an aperture through at least one of the front and back surfaces allowing operation of the insert. <IMAGE>

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IPC 8 full level
E06B 3/964 (2006.01); **E06B 9/52** (2006.01)

CPC (source: EP)
E06B 3/9647 (2013.01); **E06B 9/52** (2013.01)

Citation (applicant)

- US 2897889 A 19590804 - GERALD KESSLER
- US 5431211 A 19950711 - GUILLEMET GUY [CA]
- GB 2236134 A 19910327 - HUNTER DOUGLAS IND BV [NL]
- EP 0942141 A2 19990915 - HUNTER DOUGLAS IND BV [NL]

Cited by
DE102009012655A1; EP1854947A1; DE202013011006U1; EP2853676A3; DE102004052367B4; EP3575539A1; DE102005047255A1; DE10322029B4; DE10322029A1; CN114645665A; EP3597850A1; DE102006022305A1; DE102009012655B4; CN105909142A; CN107595021A; CN112065228A; EP3875727A1; WO2007062487A1; TWI734478B

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