

Title (en)

Patio door with integral glazing frame

Title (de)

Verglaste Tür mit einheitlichem Verglasungsrahmen

Title (fr)

Porte vitrée avec cadre intégré pour le vitrage

Publication

EP 1094192 A1 20010425 (EN)

Application

EP 99121163 A 19991022

Priority

- EP 99121163 A 19991022
- CA 2296157 A 20000117

Abstract (en)

Door frames for supporting large window lights or panes of glass within the frames can be constructed with thin, compression molded skins (30,31) by integrally forming at the peripheral edges of the aperture in the skins for the light or pane, integral edge strips (34,36) oriented normal to the skins surfaces with one of said edge strips having an upright flange (35) for holding a light or pane, which edge strips, when joined in an overlapping, interlocking relationship, form both a glazing frame for holding the light or pane in the frame and a closure for the edges of the two skins about the aperture in a water tight, solid joint and a removable glazing strip (47) attachable to the joined edges to retain a light or pane in the glazing frame formed in the resulting aperture with interlocking edge strips (34,36) of the skins (30,31), along with a perimeter frame (38) closing the outer edges of the skins (30,31) and a "foamed in place" core (66) in the hollow space between the perimeter frame and the joined edge strips. <IMAGE>

IPC 1-7

E06B 3/58; **E06B 3/72**

IPC 8 full level

E06B 3/58 (2006.01); **E06B 3/72** (2006.01); **E06B 3/70** (2006.01)

CPC (source: EP)

E06B 3/5892 (2013.01); **E06B 3/725** (2013.01); **E06B 2003/7023** (2013.01); **E06B 2003/7082** (2013.01); **E06B 2003/7086** (2013.01)

Citation (applicant)

- US 5644870 A 19970708 - CHEN KUEI YUNG WANG [TW]
- US 4550540 A 19851105 - THORN JOHN E [US]
- US 3772241 A 19731113 - KROEKEL C
- US 3884612 A 19750520 - PARMANN GUNNAR
- US 4901493 A 19900220 - THORN JOHN F [US]
- US 4860512 A 19890829 - THORN JOHN E [US]
- US 4864789 A 19890912 - THORN JOHN E [US]
- US 4965030 A 19901023 - THORN JOHN E [US]
- US 5142835 A 19920901 - MROCCA MARK M [US]
- US 5075059 A 19911224 - GREEN F RICHARD [US]

Citation (search report)

- [Y] US 5894706 A 19990420 - HERBST WALTER B [US]
- [Y] US 5887398 A 19990330 - CHEN KUEI YUNG WANG [TW]
- [A] EP 0359906 A1 19900328 - THERMA TRU CORP [US]
- [A] US 5557899 A 19960924 - DUBE PIERRE [CA], et al
- [A] US 5934040 A 19990810 - CHEN KUEI YUNG WANG [TW]
- [DA] US 5644870 A 19970708 - CHEN KUEI YUNG WANG [TW]

Cited by

EP1255020A1; US7997040B2; EP3492680A1; CN106703651A; EP1233135A1; US7721501B2; US9290989B2; WO2007103367A3

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