

Title (en)

Patio door structure

Title (de)

Struktur einer Innenhoftür

Title (fr)

Structure d' une porte pour une cour intérieure

Publication

EP 1647660 A1 20060419 (EN)

Application

EP 04024251 A 20041012

Priority

EP 04024251 A 20041012

Abstract (en)

A patio door structure having the effects of wind shielding, water-tight and anti-lift comprises a door frame assembly constructed by an upper doorframe member, a vertical doorframe member, a fixed-side doorframe member and a lower doorframe member, as well as a sliding door panel freely sliding on the door frame and a stationary door panel securely installed on a bottom fixing member which is an extruded aluminum member comprising a main body having sloped bottom section with two tenon connecting rib and a positioning rib formed on the main body; when the stationery door panel is completely assembled, the positioning rib of the bottom fixing member is inserted into a connecting groove formed on the bottom rail member of the stationery door panel that can securely install the stationery door panel on the main body of the bottom fixing member to have the weight of the stationery door panel wholly carried by the bottom fixing member, and by applying the main body of the bottom fixing member the stationery door panel can be installed in a position in the same height as that of the sliding door panel.

IPC 8 full level

E06B 3/46 (2006.01)

CPC (source: EP)

E06B 3/4618 (2013.01)

Citation (applicant)

EP 1292748 A1 20030319 - HUTCHINSON [FR]

Citation (search report)

[A] US 3530618 A 19700929 - GROSSMAN ABRAHAM

Cited by

CN114737866A; CN107335650A; CN113775279A; EP2101033A3; CN114033291A; CN114809868A; CN109707302A; CN114607246A; CN115522848A

Designated contracting state (EPC)

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DOCDB simple family (publication)

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