

Title (en)

Door or window frame assembly made of extruded plastic and fibre-reinforced coextrudate

Title (de)

Tür- oder Fenster-Rahmenbaugruppe aus Kunststoff-Extrudat und faserverstärktem Co-Extrudat

Title (fr)

Module d'encadrement pour fenêtre ou porte en plastique extrudé et en plastique coextrudé et renforcé par des fibres

Publication

**EP 2191090 B1 20141224 (DE)**

Application

**EP 08801519 A 20080806**

Priority

- EP 2008006452 W 20080806
- DE 102007039009 A 20070817

Abstract (en)

[origin: CA2704235A1] A frame assembly has a surface bearing element which comprises at least one glass pane. A plastic profile frame (1, 2) encloses the end face of the surface bearing element. For strengthening purposes, the plastic profile frame (1, 2) has reinforcing components (7, 14, 19, 26, 35) of fibre-reinforced plastic. A receiving portion (3) is provided as an enclosing edge portion of the surface bearing element. The reinforcing components (7, 14, 19, 26, 35) of fibre-reinforced plastic are boundary walls of internal hollow spaces (9-11, 16-18, 21-23, 28-30, 37, 38) which, together with non-reinforced boundary walls, bound the internal hollow spaces. The profile frame (1, 2) is embodied as a coextrudate of the reinforcing components (7, 14, 19, 26, 35) and the non-reinforced boundary walls (4, 5, 6, 12, 13, 25, 31, 32, 33, 34). This results in a frame assembly which can be produced using mass production techniques with minimal use of fibre-reinforced plastic material.

IPC 8 full level

**E06B 3/22** (2006.01)

CPC (source: EP US)

**E06B 3/221** (2013.01 - EP US)

Cited by

DE102018129568A1; DE102018129565A1; US10906088B2; DE102016119766A1; WO2018072878A1; DE102020129070A1; WO2022096227A1; EP3656810A1; DE102018129558A1; DE202018107339U1; EP3670808A1; DE102021122153A1; WO2023025436A1; EP3721040B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

**DE 102007039009 A1 20090219**; CA 2704235 A1 20090226; DK 2191090 T3 20150330; EA 020728 B1 20150130; EA 201070283 A1 20100830; EP 2191090 A1 20100602; EP 2191090 B1 20141224; ES 2531937 T3 20150320; PL 2191090 T3 20150529; UA 101623 C2 20130425; US 2011225893 A1 20110922; WO 2009024264 A1 20090226

DOCDB simple family (application)

**DE 102007039009 A 20070817**; CA 2704235 A 20080806; DK 08801519 T 20080806; EA 201070283 A 20080806; EP 08801519 A 20080806; EP 2008006452 W 20080806; ES 08801519 T 20080806; PL 08801519 T 20080806; UA A201001634 A 20080806; US 67351808 A 20080806