

Title (en)

TRANSPARENT COVER ELEMENT WITH HIGH THERMAL INSULATION

Title (de)

LICHTDURCHLÄSSIGES ABDECKELEMMENT MIT HOHER WÄRMEDÄMMUNG

Title (fr)

ÉLÉMENT DE COUVERTURE TRANSPARENT À HAUT POUVOIR D'ISOLATION THERMIQUE

Publication

**EP 3049588 A1 20160803 (DE)**

Application

**EP 14761611 A 20140904**

Priority

- DE 102013110700 A 20130927
- EP 2014068875 W 20140904

Abstract (en)

[origin: WO2015043911A1] The present invention relates to a transparent thermally insulating cover element (1), in particular for greenhouse covers, said cover element comprising a main body (10) having two interspaced parallel panel-type elements (5) and at least one edge profile (18, 18a, 19, 19a) running laterally, said profile together with the main body (10) forming at least one cavity (12) which is substantially sealed off from the external atmosphere. The main body (10) is non-positively connected, preferably bonded, to a glass layer (14, 16) by means of one of its outer surfaces (9, 11) facing away from the cavity (12).

IPC 8 full level

**E04C 2/38** (2006.01); **A01G 9/14** (2006.01); **E04C 2/54** (2006.01); **E04D 3/06** (2006.01); **E06B 3/00** (2006.01)

CPC (source: EP US)

**A01G 9/1438** (2013.01 - EP US); **B32B 7/12** (2013.01 - US); **B32B 17/06** (2013.01 - EP US); **E04C 2/34** (2013.01 - US); **E04C 2/3405** (2013.01 - US); **E04C 2/38** (2013.01 - US); **E04C 2/388** (2013.01 - EP US); **E04C 2/543** (2013.01 - EP US); **E04D 3/06** (2013.01 - EP US); **E06B 3/6612** (2013.01 - US); **E06B 3/677** (2013.01 - US); **B32B 2307/412** (2013.01 - US); **E04C 2002/3488** (2013.01 - US); **E06B 2009/2417** (2013.01 - US); **Y02A 40/25** (2017.12 - EP)

Citation (search report)

See references of WO 2015043911A1

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

DOCDB simple family (publication)

**WO 2015043911 A1 20150402**; EP 3049588 A1 20160803; JP 2016539622 A 20161222; US 2016316641 A1 20161103

DOCDB simple family (application)

**EP 2014068875 W 20140904**; EP 14761611 A 20140904; JP 2016518176 A 20140904; US 201415023644 A 20140904