

Title (en)

METHOD FOR PRODUCING A SEALED FOLDED JOINT

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER VERSIEGELTEN FALZVERBINDUNG

Title (fr)

PROCÉDÉ D'OBTENTION D'UN ASSEMBLAGE PAR PLIAGE SCELLÉ

Publication

EP 3526299 A2 20190821 (DE)

Application

EP 17787153 A 20171016

Priority

- DE 102016220237 A 20161017
- EP 2017076272 W 20171016

Abstract (en)

[origin: WO2018073140A2] The invention relates to a method for producing a sealed folded joint by means of an adhesive compound between a first surface element and a second surface element, wherein a flange (10) of the first surface element, which has a first surface (11) and a second surface (12), is folded back over a flange (20) of the second surface element, said method comprising the steps of: (A) applying at least one layer of an adhesive compound (30) onto the flange (10) of the first surface element; (B) flanging the flange (10) of the first surface element around the flange (20) of the second surface element, wherein the adhesive compound (30) is applied onto both surfaces (11, 12) of the flange (10) of the first surface element, and wherein, after the production of the folded joint, the adhesive compound forms a continuous layer on the first surface (11) with the adhesive compound on the second surface (12) of the flange (10) of the first surface element at the edge (13) of the flange (10), said continuous layer covering the edge (13) of the flange (10) of the first surface element. The method according to the invention provides a sealed folded seam which satisfies high optical requirements. Fig.

IPC 8 full level

C09J 5/06 (2006.01); **B21D 39/02** (2006.01); **B62D 27/02** (2006.01); **C09J 7/10** (2018.01); **C09J 7/20** (2018.01); **F16B 11/00** (2006.01)

CPC (source: EP US)

B21D 39/028 (2013.01 - EP US); **B29C 53/06** (2013.01 - US); **B29C 65/4815** (2013.01 - US); **B29C 65/4825** (2013.01 - US);
B29C 66/1352 (2013.01 - US); **B32B 7/06** (2013.01 - US); **B32B 7/12** (2013.01 - US); **B32B 15/043** (2013.01 - US);
B32B 37/1284 (2013.01 - US); **B32B 37/142** (2013.01 - US); **B32B 38/0012** (2013.01 - US); **B62D 27/026** (2013.01 - EP US);
C09J 5/06 (2013.01 - EP US); **C09J 7/10** (2018.01 - EP US); **C09J 7/20** (2018.01 - EP US); **C09J 7/22** (2018.01 - US); **C09J 7/38** (2018.01 - US);
F16B 11/006 (2013.01 - EP US); **B29L 2007/002** (2013.01 - US); **B29L 2031/30** (2013.01 - US); **B32B 37/1207** (2013.01 - US);
C09J 2301/21 (2020.08 - EP US); **C09J 2400/163** (2013.01 - EP US); **F16B 5/0635** (2013.01 - EP US)

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)

DE 102016220237 A1 20180419; CN 110088216 A 20190802; CN 110088216 B 20220322; EP 3526299 A2 20190821;
JP 2019534929 A 20191205; JP 6963011 B2 20211105; US 11148407 B2 20211019; US 2019255832 A1 20190822;
WO 2018073140 A2 20180426; WO 2018073140 A3 20180614

DOCDB simple family (application)

DE 102016220237 A 20161017; CN 201780064079 A 20171016; EP 17787153 A 20171016; EP 2017076272 W 20171016;
JP 2019520532 A 20171016; US 201716342296 A 20171016