

Title (en)

ASSEMBLY OF TWO SUBSTRATES BONDED BY A RIGID POLYMER, AND METHODS FOR ASSEMBLY AND DISMANTLING BY MEANS OF MIGRATION OF SAID BONDED ASSEMBLY

Title (de)

ANORDNUNG VON ZWEI MIT EINEM STARREN POLYMER GEBONDETEN SUBSTRATEN, SOWIE MONTAGE- UND ZERLEGUNGSVERFAHREN MITTELS MIGRATION DIESER GEBONDETEN ANORDNUNG

Title (fr)

ASSEMBLAGE DE DEUX SUBSTRATS COLLES PAR UN POLYMERE RIGIDE, PROCEDES DE MONTAGE ET DE DEMONTAGE PAR MIGRATION DE CET ASSEMBLAGE COLLE

Publication

EP 2519565 A1 20121107 (FR)

Application

EP 10812873 A 20101224

Priority

- FR 0959641 A 20091229
- FR 2010052916 W 20101224

Abstract (en)

[origin: WO2011080477A1] The invention relates to an assembly (20) which includes a first substrate (10) and a second substrate (12) bonded by at least one joint (14), characterised in that said joint (14) is made of a polymer material with a Young modulus tensile value at 25°C of 500 MPa to 5 GPa, and includes at least one migrating agent suitable for migrating up to at least two interfaces of the joint (14) in order to generate interfacial detachment. The invention also relates to the composition suitable for bonding said assembly, to a method for assembling said assembly by means of bonding and to a method for dismantling said bonded assembly by means of migration and creation of an interfacial detachment by heating the body thereof.

IPC 8 full level

C09J 5/06 (2006.01); **C08J 5/08** (2006.01)

CPC (source: EP US)

C08J 5/08 (2013.01 - EP US); **C09J 5/06** (2013.01 - EP US); **C09J 2301/502** (2020.08 - EP US); **C09J 2433/00** (2013.01 - EP US); **C09J 2463/00** (2013.01 - EP US); **Y02P 20/582** (2015.11 - EP US); **Y10T 156/1153** (2015.01 - EP US); **Y10T 428/31522** (2015.04 - EP US)

Citation (search report)

See references of WO 2011080477A1

Citation (examination)

ANONYMOUS: "Polymer properties", 1 January 2008 (2008-01-01), pages 1 - 1, XP055420523, ISBN: 978-0-13-227271-1, Retrieved from the Internet <URL:http://studylib.net/doc/18910035/polymer-properties#> [retrieved on 20171031]

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

DOCDB simple family (publication)

FR 2954776 A1 20110701; **FR 2954776 B1 20130308**; EP 2519565 A1 20121107; US 2012258315 A1 20121011; WO 2011080477 A1 20110707

DOCDB simple family (application)

FR 0959641 A 20091229; EP 10812873 A 20101224; FR 2010052916 W 20101224; US 201013517311 A 20101224