

Title (en)  
INTERMEDIATE DEFORMATION LAYER WITH ADJUSTABLE MACROSCOPIC STIFFNESS FOR BONDED ASSEMBLY

Title (de)  
ZWISCHENVERFORMUNGSSCHICHT MIT EINSTELLBARER MAKROSKOPISCHER STEIFHEIT FÜR VERBUNDENE ANORDNUNG

Title (fr)  
COUCHE INTERMÉDIAIRE DE DÉFORMATION À RAIDEUR MACROSCOPIQUE AJUSTABLE POUR ASSEMBLAGE COLLÉ

Publication  
**EP 4076932 A1 20221026 (FR)**

Application  
**EP 20829576 A 20201215**

Priority  
• FR 1914681 A 20191217  
• EP 2020086309 W 20201215

Abstract (en)  
[origin: CA3165094A1] The invention concerns a bonded assembly comprising at least: - a first substrate (S1), - a second substrate (S2), - an intermediate deformation layer (CID) secured to the first substrate, the intermediate deformation layer (CID) comprising a material in which recesses are provided so that the intermediate deformation layer (CID) has a stiffness which is variable in a direction parallel to the intermediate deformation layer (CID), - an adhesive (AD) between the intermediate layer and the second substrate (S2).

IPC 8 full level  
**B32B 3/02** (2006.01); **B32B 3/08** (2006.01); **B32B 3/12** (2006.01); **B32B 3/16** (2006.01); **B32B 3/26** (2006.01); **B32B 7/022** (2019.01); **B32B 7/12** (2006.01); **B32B 13/06** (2006.01); **B32B 13/12** (2006.01); **B32B 15/08** (2006.01); **B32B 27/08** (2006.01); **B32B 27/38** (2006.01); **B32B 27/40** (2006.01)

CPC (source: EP US)  
**B32B 3/02** (2013.01 - EP); **B32B 3/08** (2013.01 - EP); **B32B 3/12** (2013.01 - EP US); **B32B 3/16** (2013.01 - EP); **B32B 3/26** (2013.01 - EP); **B32B 3/266** (2013.01 - EP); **B32B 5/142** (2013.01 - US); **B32B 7/022** (2018.12 - EP); **B32B 7/12** (2013.01 - EP US); **B32B 13/06** (2013.01 - EP); **B32B 13/12** (2013.01 - EP); **B32B 15/08** (2013.01 - EP); **B32B 27/08** (2013.01 - EP); **B32B 27/38** (2013.01 - EP); **B32B 27/40** (2013.01 - EP); **B32B 37/0076** (2013.01 - US); **B33Y 80/00** (2014.12 - US); **B32B 15/092** (2013.01 - US); **B32B 15/095** (2013.01 - US); **B32B 27/08** (2013.01 - US); **B32B 27/38** (2013.01 - US); **B32B 27/40** (2013.01 - US); **B32B 2250/04** (2013.01 - EP); **B32B 2274/00** (2013.01 - EP); **B32B 2307/51** (2013.01 - EP); **B32B 2307/536** (2013.01 - EP); **B32B 2307/54** (2013.01 - US); **B32B 2307/542** (2013.01 - EP); **B32B 2307/546** (2013.01 - US); **B32B 2419/00** (2013.01 - EP); **B32B 2597/00** (2013.01 - EP); **B32B 2605/08** (2013.01 - EP); **B32B 2605/10** (2013.01 - EP); **B32B 2605/18** (2013.01 - EP)

Citation (search report)  
See references of WO 2021122660A1

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

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**FR 3104488 A1 20210618**; **FR 3104488 B1 20220401**; CA 3165094 A1 20210624; CN 115103763 A 20220923; EP 4076932 A1 20221026; JP 2023506568 A 20230216; US 2023038948 A1 20230209; WO 2021122660 A1 20210624; ZA 202207712 B 20230329

DOCDB simple family (application)  
**FR 1914681 A 20191217**; CA 3165094 A 20201215; CN 202080095407 A 20201215; EP 2020086309 W 20201215; EP 20829576 A 20201215; JP 2022537821 A 20201215; US 202017786358 A 20201215; ZA 202207712 A 20220712