

Title (en)
BREATHABLE LIGHT WEIGHT UNIDIRECTIONAL LAMINATES

Title (de)
ATMUNGSFÄHIGE LEICHTGEWICHTIGE UNIDIREKTIONALE LAMINATE

Title (fr)
STRATIFIÉS UNIDIRECTIONNELS LÉGERS RESPIRANTS

Publication
EP 3638832 A4 20201028 (EN)

Application
EP 18817784 A 20180608

Priority

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- US 2018036651 W 20180608

Abstract (en)
[origin: WO2018231645A2] Lightweight, breathable, non-woven fibrous materials and composite articles incorporating the same are provided. Composite articles are formed by merging an open, non-woven grid formed from high tenacity elongate bodies with at least one substrate, forming an article having excellent tensile strength, excellent breathability and a unique aesthetic appearance.

IPC 8 full level
D04H 3/04 (2012.01); **A41D 31/102** (2019.01); **A43B 23/02** (2006.01); **B32B 5/02** (2006.01); **B32B 5/24** (2006.01); **B32B 5/26** (2006.01); **B32B 7/12** (2006.01); **B32B 9/02** (2006.01)

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Citation (search report)

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- [XI] WO 0048821 A1 20000824 - ALLIED SIGNAL INC [US]
- [A] EP 3023241 A1 20160525 - TAPE WEAVING SWEDEN AB [SE]
- See references of WO 2018231645A2

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)
WO 2018231645 A2 20181220; WO 2018231645 A3 20190117; CN 110730834 A 20200124; CN 110730834 B 20220510; EP 3638832 A2 20200422; EP 3638832 A4 20201028

DOCDB simple family (application)
US 2018036651 W 20180608; CN 201880038654 A 20180608; EP 18817784 A 20180608