

Title (en)

ARC FLASH PROTECTIVE MATERIALS

Title (de)

SCHUTZMATERIALIEN FÜR STÖRLICHTBÖGEN

Title (fr)

MATÉRIAUX DE PROTECTION CONTRE UN ÉCLAIR D'ARC

Publication

EP 4117909 A1 20230118 (EN)

Application

EP 21723359 A 20210310

Priority

- US 202062988230 P 20200311
- IB 2021000138 W 20210310

Abstract (en)

[origin: WO2021181160A1] Relatively lightweight laminate structures having an outer textile layer, a heat reactive material, a middle layer, a flame retardant adhesive material and an inner layer, wherein the flame retardant adhesive material is positioned in a pattern so as to form a plurality of pockets, each of the pockets defined by (a) the middle layer, (b) the inner layer, and (c) a portion of the flame retardant adhesive material. The laminate structures can provide protection from an exposure to an electrical arc.

IPC 8 full level

B32B 5/02 (2006.01); **A41D 31/08** (2019.01); **A41D 31/26** (2019.01); **B32B 5/08** (2006.01); **B32B 5/18** (2006.01); **B32B 5/24** (2006.01); **B32B 7/05** (2019.01); **B32B 7/12** (2006.01); **B32B 7/14** (2006.01); **B32B 27/12** (2006.01); **B32B 27/30** (2006.01); **D03D 15/513** (2021.01); **D06M 17/04** (2006.01)

CPC (source: EP KR)

A41D 31/085 (2019.01 - KR); **B32B 5/026** (2013.01 - EP); **B32B 5/028** (2013.01 - EP); **B32B 5/08** (2013.01 - EP); **B32B 5/18** (2013.01 - EP KR); **B32B 5/245** (2013.01 - EP); **B32B 7/05** (2018.12 - EP KR); **B32B 7/12** (2013.01 - EP KR); **B32B 7/14** (2013.01 - EP KR); **B32B 27/12** (2013.01 - EP KR); **B32B 27/304** (2013.01 - EP KR); **A41D 31/085** (2019.01 - EP); **B32B 5/022** (2013.01 - KR); **B32B 5/026** (2013.01 - KR); **B32B 5/028** (2013.01 - KR); **B32B 2250/03** (2013.01 - EP); **B32B 2250/24** (2013.01 - EP); **B32B 2255/02** (2013.01 - EP KR); **B32B 2255/26** (2013.01 - EP KR); **B32B 2262/023** (2013.01 - EP KR); **B32B 2262/0246** (2013.01 - EP KR); **B32B 2262/0253** (2013.01 - EP KR); **B32B 2262/0261** (2013.01 - EP KR); **B32B 2262/0269** (2013.01 - EP KR); **B32B 2262/0276** (2013.01 - EP KR); **B32B 2262/0284** (2013.01 - EP KR); **B32B 2262/04** (2013.01 - EP); **B32B 2262/062** (2013.01 - EP KR); **B32B 2262/106** (2013.01 - EP KR); **B32B 2266/0235** (2013.01 - EP KR); **B32B 2307/3065** (2013.01 - EP KR); **B32B 2307/718** (2013.01 - EP KR); **B32B 2437/00** (2013.01 - EP KR); **B32B 2571/00** (2013.01 - EP KR)

Citation (search report)

See references of WO 2021181160A1

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)

WO 2021181160 A1 20210916; CN 115243875 A 20221025; EP 4117909 A1 20230118; JP 2023517985 A 20230427; KR 20220151199 A 20221114

DOCDB simple family (application)

IB 2021000138 W 20210310; CN 202180020639 A 20210310; EP 21723359 A 20210310; JP 2022554822 A 20210310; KR 20227034945 A 20210310