Title (en)

PESU PARTICLE FOAMS FOR APPLICATIONS IN AVIATION INTERIORS

Title (de)

PESU-PARTIKELSCHÄUME FÜR ANWENDUNGEN IM LUFTFAHRT-INTERIEUR

Title (fr)

MOUSSES À BASE DE PARTICULES DE PESU DESTINÉES À DES UTILISATIONS À L'INTÉRIEUR D'AÉRONEFS

Publication

EP 3717553 A1 20201007 (DE)

Application

EP 18800669 A 20181119

Priority

- EP 17203688 A 20171127
- EP 2018081689 W 20181119

Abstract (en)

[origin: WO2019101667A1] Polyethersulfone (PESU) based polymer foams comply with the statutory requirements on interiors in aviation demanded by the aviation industry. The requirements concerning fire behaviour, resistance to media and mechanical strength in particular represent significant challenges. Suitable polymer foams are produced as semi-finished products in the prior art. Post-processing into shaped parts is uneconomic in terms of time and the use of material, because of the large volumes of cutting waste, for instance. The invention solves this problem in that the material that is, in principle, suitable can be processed into particle-foam shaped parts. Said shaped parts can be produced without post-processing in short cycle times and hence economically. Furthermore, new options arise for function integration, such as the direct foam moulding of inserts, etc., and in respect of design freedom.

IPC 8 full level

C08J 9/16 (2006.01); **C08L 81/06** (2006.01)

CPC (source: EP IL KR US)

B29B 9/12 (2013.01 - EP); **B32B 3/02** (2013.01 - EP); **B32B 5/18** (2013.01 - EP IL KR); **B32B 5/20** (2013.01 - EP); **B32B 7/09** (2018.12 - EP); **B32B 7/12** (2013.01 - EP); **B32B 15/046** (2013.01 - EP); **B32B 21/047** (2013.01 - EP); **C08J 9/0004** (2013.01 - EP IL KR); **C08J 9/008** (2013.01 - EP IL KR US); **C08J 9/0085** (2013.01 - EP IL KR US); **C08J 9/06** (2013.01 - EP IL KR); **C08J 9/122** (2013.01 - EP IL KR); **C08J 9/125** (2013.01 - EP IL KR US); **C08J 9/141** (2013.01 - EP IL KR US); **C08J 9/142** (2013.01 - EP IL KR US); **C08J 9/16** (2013.01 - EP IL KR); **C08J 9/18** (2013.01 - EP IL KR US); **C08J 9/232** (2013.01 - EP IL KR); B29B 9/065 (2013.01 - EP); B32B 2250/02 (2013.01 - EP); B32B 2262/02 (2013.01 - EP); B32B 2264/10 (2013.01 - EP); B32B 2266/0214 (2013.01 - EP); B32B 2266/10 (2016.10 - EP); B32B 2307/306 (2013.01 - EP); B32B 2307/3065 (2013.01 - EP); B32B 2307/4026 (2013.01 - EP); B32B 2307/54 (2013.01 - EP); B32B 2307/542 (2013.01 - EP); B32B 2307/71 (2013.01 - EP); B32B 2307/72 (2013.01 - EP); B32B 2479/00 (2013.01 - EP); B32B 2605/003 (2013.01 - EP); B32B 2605/10 (2013.01 - EP); B32B 2605/12 (2013.01 - EP); B32B 2605/18 (2013.01 - EP); B82Y 30/00 (2013.01 - US); B82Y 40/00 (2013.01 - US); C08J 2201/03 (2013.01 - EP IL KR US); C08J 2203/06 (2013.01 - EP IL KR US); C08J 2203/10 (2013.01 - EP IL KR US); C08J 2203/12 (2013.01 - EP IL KR US); C08J 2203/14 (2013.01 - EP IL KR US); C08J 2203/16 (2013.01 - EP IL KR US); C08J 2203/18 (2013.01 - EP IL KR US); C08J 2207/00 (2013.01 - EP IL KR US); C08J 2381/06 (2013.01 - EP IL KR US)

Citation (search report)

See references of WO 2019101667A1

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WO 2019101667 A1 20190531; AU 2018371107 A1 20200709; BR 112020010372 A2 20201020; CA 3083553 A1 20190531; CN 111406091 A 20200710; EP 3717553 A1 20201007; IL 274859 A 20200730; JP 2021504523 A 20210215; KR 20200084898 A 20200713; MA 49867 A1 20201231; MX 2020005297 A 20200813; TW 201925295 A 20190701; US 2021095092 A1 20210401; ZA 202003832 B 20220330

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