

Title (en)

FOAMS BASED ON THERMOPLASTIC ELASTOMERS

Title (de)

SCHAUMSTOFFE AUF BASIS THERMOPLASTISCHER ELASTOMERE

Title (fr)

MOUSSE À BASE D'ÉLASTOMÈRE THERMOPLASTIQUE

Publication

EP 3781615 A1 20210224 (DE)

Application

EP 19717940 A 20190418

Priority

- EP 18168481 A 20180420
- EP 2019060131 W 20190418

Abstract (en)

[origin: WO2019202095A1] The present invention relates to particle foams of thermoplastic polyurethane and polyethylene, molded parts produced therefrom, to methods for producing the particle foams and molded parts, and to the use of the molded parts for shoe midsoles, shoe insoles, combined soles, cushioning elements for shoes, bicycle saddles, bicycle tires, damping elements, upholstery, mattresses, supports, handles, protective films, in components in automobile interiors and automobile exteriors, in balls and sport devices or as a floor covering.

IPC 8 full level

A43B 13/04 (2006.01); **C08J 9/00** (2006.01); **C08J 9/18** (2006.01); **C08J 9/232** (2006.01); **C08L 75/04** (2006.01)

CPC (source: EP US)

A43B 13/04 (2013.01 - EP); **C08J 9/0061** (2013.01 - EP US); **C08J 9/122** (2013.01 - US); **C08J 9/18** (2013.01 - EP US); **C08J 9/232** (2013.01 - EP US); **C08L 75/04** (2013.01 - EP); **C08L 75/08** (2013.01 - US); **C08J 2207/00** (2013.01 - EP US); **C08J 2300/22** (2013.01 - EP US); **C08J 2300/26** (2013.01 - EP US); **C08J 2375/04** (2013.01 - EP); **C08J 2375/08** (2013.01 - US); **C08J 2423/04** (2013.01 - EP); **C08J 2423/06** (2013.01 - US)

Citation (search report)

See references of WO 2019202095A1

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

DOCDB simple family (publication)

WO 2019202095 A1 20191024; BR 112020018554 A2 20201229; CA 3096990 A1 20191024; CN 112004868 A 20201127; EP 3781615 A1 20210224; JP 2021522369 A 20210830; MX 2020011116 A 20201111; US 2021179847 A1 20210617

DOCDB simple family (application)

EP 2019060131 W 20190418; BR 112020018554 A 20190418; CA 3096990 A 20190418; CN 201980026991 A 20190418; EP 19717940 A 20190418; JP 2020558524 A 20190418; MX 2020011116 A 20190418; US 201917045401 A 20190418