

Title (en)
POLYETHER BLOCK AMIDE-POLY(METH)ACRYLATE FOAMS

Title (de)
POLYETHERBLOCKAMID-POLY(METH)ACRYLAT-SCHÄUME

Title (fr)
MOUSSES POLYÉTHÉR-BLOC-AMIDE/POLY(MÉTH)ACRYLATE

Publication
EP 3867304 A1 20210825 (DE)

Application
EP 19787261 A 20191016

Priority
• EP 18200738 A 20181016
• EP 2019078086 W 20191016

Abstract (en)
[origin: WO2020078856A1] The invention relates to a mixture containing at least one amino-regulated polyether block amide (PEBA) and at least one poly(meth)acrylate selected from among poly(meth)acrylimides, polyalkyl(meth)acrylates and mixtures thereof. The mass ratio of the PEBA to the poly(meth)acrylate ranges from 95:5 to 60:40. The polyalkyl(meth)acrylate contains 80 wt% to 99 wt% methylmethacrylate (MMA) units and 1 wt % to 20 wt% C1-C10-alkylacrylate units in relation to the total weight of the polyalkyl(meth)acrylate. The mixture can be transformed into expanded molded articles. The molded articles can be used in shoe soles, cleat material, isolating material, insulation material, damping components, light-weight components or sandwich structures.

IPC 8 full level
C08J 9/00 (2006.01); **C08F 20/52** (2006.01); **C08G 69/40** (2006.01); **C08L 77/06** (2006.01); **C08G 101/00** (2006.01)

CPC (source: CN EP KR US)
B29C 48/0012 (2019.02 - KR); **C08F 220/14** (2013.01 - EP KR); **C08F 220/52** (2013.01 - EP KR); **C08G 69/40** (2013.01 - EP KR); **C08J 3/12** (2013.01 - US); **C08J 5/18** (2013.01 - US); **C08J 9/00** (2013.01 - CN); **C08J 9/0014** (2013.01 - US); **C08J 9/0061** (2013.01 - EP KR US); **C08J 9/12** (2013.01 - CN EP KR US); **C08J 9/122** (2013.01 - EP US); **C08L 33/12** (2013.01 - KR US); **C08L 33/24** (2013.01 - KR US); **C08L 51/003** (2013.01 - KR); **C08L 71/02** (2013.01 - KR US); **C08L 77/06** (2013.01 - EP KR US); **C08L 87/005** (2013.01 - US); **C08G 2101/00** (2013.01 - EP KR); **C08J 2201/03** (2013.01 - EP KR US); **C08J 2203/06** (2013.01 - EP US); **C08J 2371/02** (2013.01 - EP KR US); **C08J 2377/00** (2013.01 - CN); **C08J 2377/06** (2013.01 - EP KR); **C08J 2387/00** (2013.01 - US); **C08J 2433/12** (2013.01 - CN EP KR US); **C08J 2433/26** (2013.01 - EP KR); **C08J 2451/04** (2013.01 - CN); **C08L 2203/14** (2013.01 - US)

C-Set (source: EP)
1. **C08L 77/06** + **C08L 33/24**
2. **C08L 77/06** + **C08L 33/12**
3. **C08L 77/06** + **C08L 51/003**

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)
EP 3640287 A1 20200422; CN 112867755 A 20210528; CN 112867755 B 20240102; CN 113330059 A 20210831; CN 113330059 B 20221108; CN 117683341 A 20240312; EP 3688080 A1 20200805; EP 3688080 B1 20201118; EP 3867304 A1 20210825; JP 2022502555 A 20220111; JP 2022505089 A 20220114; JP 7431818 B2 20240215; JP 7438206 B2 20240226; KR 102541676 B1 20230613; KR 102606397 B1 20231127; KR 20210076083 A 20210623; KR 20210076950 A 20210624; MX 2021004066 A 20210604; MX 2021004072 A 20210604; US 2021371651 A1 20211202; US 2022363901 A1 20221117; WO 2020078856 A1 20200423; WO 2020079081 A1 20200423

DOCDB simple family (application)
EP 18200738 A 20181016; CN 201980068004 A 20191016; CN 201980068339 A 20191011; CN 202311698121 A 20191016; EP 19783078 A 20191011; EP 19787261 A 20191016; EP 2019077636 W 20191011; EP 2019078086 W 20191016; JP 2021520993 A 20191016; JP 2021520994 A 20191011; KR 20217014372 A 20191011; KR 20217014373 A 20191016; MX 2021004066 A 20191016; MX 2021004072 A 20191011; US 201917285354 A 20191016; US 201917285373 A 20191011