

Title (en)
POLYURETHANE INSULATING FOAMS AND PRODUCTION THEREOF

Title (de)
POLYURETHAN-ISOLIERSCHAUMSTOFFE UND IHRE HERSTELLUNG

Title (fr)
MOUSSES ISOLANTES POLYURÉTHANES ET LEUR PRODUCTION

Publication
EP 4107214 A1 20221228 (DE)

Application
EP 21705914 A 20210212

Priority
• DE 102020202057 A 20200219
• EP 2021053433 W 20210212

Abstract (en)
[origin: WO2021165149A1] The invention relates to a method for producing PU foams, in particular PU rigid foams, on the basis of foamable reaction mixtures containing polyisocyanates, compounds with reactive hydrogen atoms, blowing agents, foam stabilisers, and optionally further additives. According to the invention, additional polymer particles are used, the average particle size of the polymer particles being < 100 µm, preferably < 70 µm, in particular 5 to 50µm.

IPC 8 full level
C08J 9/00 (2006.01); **C08J 9/14** (2006.01); **C08L 75/04** (2006.01)

CPC (source: EP US)
C08G 18/092 (2013.01 - EP US); **C08G 18/14** (2013.01 - US); **C08G 18/163** (2013.01 - EP US); **C08G 18/1808** (2013.01 - EP); **C08G 18/225** (2013.01 - EP); **C08G 18/4238** (2013.01 - EP); **C08G 18/4829** (2013.01 - EP US); **C08G 18/7664** (2013.01 - EP); **C08J 9/0061** (2013.01 - EP US); **C08J 9/141** (2013.01 - EP US); **C08L 75/06** (2013.01 - EP); **C08L 75/08** (2013.01 - EP); **C08G 2101/00** (2013.01 - US); **C08G 2110/0025** (2021.01 - EP US); **C08G 2110/005** (2021.01 - EP US); **C08G 2110/0058** (2021.01 - EP US); **C08J 2203/14** (2013.01 - EP); **C08J 2205/052** (2013.01 - US); **C08J 2205/10** (2013.01 - EP US); **C08J 2375/04** (2013.01 - EP US); **C08J 2425/06** (2013.01 - EP); **C08J 2433/12** (2013.01 - EP US)

Citation (search report)
See references of WO 2021165149A1

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)
DE 102020202057 A1 20210819; EP 4107214 A1 20221228; US 2023095151 A1 20230330; WO 2021165149 A1 20210826

DOCDB simple family (application)
DE 102020202057 A 20200219; EP 2021053433 W 20210212; EP 21705914 A 20210212; US 202117800297 A 20210212