

Title (en)  
COPOLYMER COMPRISING POLYAMIDE BLOCKS AND POLYETHER BLOCKS FOR PRODUCING A FOAMED ARTICLE

Title (de)  
COPOLYMER MIT POLYAMIDBLÖCKEN UND POLYETHERBLÖCKEN ZUR HERSTELLUNG EINES GESCHÄUMTEN ARTIKELS

Title (fr)  
COPOLYMÈRE À BLOCS POLYAMIDES ET À BLOCS POLYÉTHERS POUR LA FABRICATION D'UN ARTICLE MOUSSÉ

Publication  
**EP 4284620 A1 20231206 (FR)**

Application  
**EP 22708581 A 20220131**

Priority  
• FR 2100968 A 20210201  
• FR 2022050166 W 20220131

Abstract (en)  
[origin: WO2022162325A1] The invention relates to a copolymer that comprises polyamide blocks and polyether blocks (PEBA) and can be used for the production of an article, preferably a foamed article. The invention also relates to expanded particles prepared from said copolymer and to the production of a foamed article from said expanded particles.

IPC 8 full level  
**B29C 44/34** (2006.01); **B29C 67/20** (2006.01); **C08G 69/40** (2006.01); **C08J 9/18** (2006.01)

CPC (source: EP KR US)  
**B29C 43/003** (2013.01 - US); **B29C 44/3426** (2013.01 - KR); **B29C 44/3453** (2013.01 - EP KR); **B29C 44/3461** (2013.01 - US); **B29C 44/3465** (2013.01 - EP KR); **B29C 44/445** (2013.01 - EP KR); **B29C 67/205** (2013.01 - EP KR); **C08F 293/00** (2013.01 - US); **C08G 69/40** (2013.01 - EP KR); **C08J 9/122** (2013.01 - EP US); **C08J 9/18** (2013.01 - EP KR US); **C08J 9/232** (2013.01 - EP US); **B29B 7/005** (2013.01 - US); **B29C 44/3426** (2013.01 - EP); **B29C 2949/082** (2022.05 - US); **B29K 2071/00** (2013.01 - EP KR); **B29K 2077/00** (2013.01 - EP KR); **B29K 2105/048** (2013.01 - US); **B29K 2995/0063** (2013.01 - US); **B29K 2995/007** (2013.01 - US); **C08J 2203/06** (2013.01 - EP US); **C08J 2353/00** (2013.01 - US); **C08J 2371/02** (2013.01 - EP KR); **C08J 2377/00** (2013.01 - EP); **C08J 2377/02** (2013.01 - KR)

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 2022162325 A1 20220804**; CN 116583398 A 20230811; EP 4284620 A1 20231206; FR 3119396 A1 20220805; FR 3119396 B1 20240419; JP 2024507310 A 20240219; KR 20230141730 A 20231010; TW 202242017 A 20221101; US 2023357482 A1 20231109

DOCDB simple family (application)  
**FR 2022050166 W 20220131**; CN 202280007203 A 20220131; EP 22708581 A 20220131; FR 2100968 A 20210201; JP 2023511567 A 20220131; KR 20237008921 A 20220131; TW 111104310 A 20220207; US 202218245260 A 20220131