

Title (en)
POLYMER COMPOSITION FOR WATERPROOF-BREATHABLE FILMS

Title (de)
POLYMERZUSAMMENSETZUNG FÜR WASSERFEST-ATMBARE FILME

Title (fr)
COMPOSITION DE POLYMÈRES POUR FILMS IMPER-RESPIRANTS

Publication
EP 4133012 A1 20230215 (FR)

Application
EP 21722966 A 20210407

Priority
• FR 2003471 A 20200407
• FR 2021050606 W 20210407

Abstract (en)
[origin: WO2021205117A1] The invention relates to a composition consisting of: 75 to 98% by weight, relative to the weight of the composition, of at least one copolymer A containing polyamide blocks and polyether blocks; 2 to 15% by weight, relative to the weight of the composition, of at least one copolymer B comprising units derived from ethylene, from an alkyl (meth)acrylate and from a comonomer comprising at least one acid, anhydride or epoxide function; and 0 to 10% by weight, relative to the weight of the composition, of at least one additive. The polyether blocks of copolymer A comprise polyethylene glycol blocks. The invention further relates to a process for manufacturing a film and to said film.

IPC 8 full level
C08L 77/02 (2006.01); **C08G 69/40** (2006.01)

CPC (source: EP KR US)
B29C 48/08 (2019.01 - KR); **C08F 290/067** (2013.01 - KR); **C08G 69/40** (2013.01 - US); **C08J 5/18** (2013.01 - KR); **C08L 23/0869** (2013.01 - KR); **C08L 23/0884** (2013.01 - KR); **C08L 77/00** (2013.01 - KR); **C08L 77/02** (2013.01 - EP US); **C09D 175/16** (2013.01 - KR); **C08G 69/40** (2013.01 - EP); **C08L 2203/16** (2013.01 - EP US)

C-Set (source: EP)
1. **C08L 77/02 + C08L 33/14**
2. **C08L 77/02 + C08L 35/00**

Citation (search report)
See references of WO 2021205117A1

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)
FR 3108912 A1 20211008; FR 3108912 B1 20230630; CN 115397918 A 20221125; EP 4133012 A1 20230215; JP 2023521336 A 20230524; KR 20220164730 A 20221213; US 2023159751 A1 20230525; WO 2021205117 A1 20211014

DOCDB simple family (application)
FR 2003471 A 20200407; CN 202180026522 A 20210407; EP 21722966 A 20210407; FR 2021050606 W 20210407; JP 2022561043 A 20210407; KR 20227035723 A 20210407; US 202117995622 A 20210407