

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(10) International Publication Number
WO 2020/114810 A1

(43) International Publication Date
11 June 2020 (11.06.2020)

(51) International Patent Classification:

C08K 3/22 (2006.01) C08K 5/526 (2006.01)
C08K 5/13 (2006.01) F16L 9/12 (2006.01)
C08K 5/3492 (2006.01)

(21) International Application Number:

PCT/EP2019/082327

(22) International Filing Date:

22 November 2019 (22.11.2019)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

18210178.2 04 December 2018 (04.12.2018) EP
19154158.0 29 January 2019 (29.01.2019) EP

(71) Applicant: **BASF SE** [DE/DE]; Carl-Bosch-Strasse 38,
67056 Ludwigshafen am Rhein (DE).

(72) Inventors: **WEYLAND, Tania**; Hardmattstr. 434, 5082
Kaisten (CH). **HERBST, Heinz**; Hardmattstr. 434, 5082
Kaisten (CH). **BERTET, Marie Laure**; 49, Avenue
Georges Pompidou, 92593 Levallois-Perret Cedex (FR).

(74) Agent: **BASF IP ASSOCIATION**; BASF SE, G-FLP -
C006, 67056 Ludwigshafen (DE).

(81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO,
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,
HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP,
KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME,
MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ,
OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA,
SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ,
UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ,
TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,
MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
KM, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

(54) Title: POLYETHYLENE OR POLYPROPYLENE ARTICLES

(57) Abstract: An article in the form of a pipe, cable or geomembrane comprising polyethylene or polypropylene, and components A) and B), wherein component A) is a hindered amine light stabilizer containing a triazine residue, component B) is magnesium hydroxide which is present in an amount of 0.01% to 5% by weight relative to the weight of the polyethylene or polypropylene, and the weight ratio of component A) to component B) is 1:50 to 50:1, with the proviso that component B) is not a hydrotalcite.



WO 2020/114810 A1