

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

(19) World Intellectual Property
Organization

International Bureau

(43) International Publication Date
27 May 2022 (27.05.2022)



(10) International Publication Number
WO 2022/106509 A1

(51) International Patent Classification:

B32B 7/12 (2006.01) **B32B 27/32** (2006.01)

B32B 27/08 (2006.01) **C08J 5/18** (2006.01)

(21) International Application Number:

PCT/EP2021/082085

(22) International Filing Date:

18 November 2021 (18.11.2021)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

20208650.0 19 November 2020 (19.11.2020) EP

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(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, IT, 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, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, 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 FILM STRUCTURES FOR SAFER COLLATION-SHRINK FILMS

(57) Abstract: The present invention relates to a layered film structure comprising a core layer C and external layers E1 and E2 wherein core layer C comprises a) a high-pressure produced polyethylene component (AC) which is a LDPE having an MFR2 of from 0.25 to 2 g/10min and a density of 0.915 to 0.930 g/cm³ in an amount of from 40 to 80 wt.% of the core layer and b) a catalytically produced polyethylene component (BC) which is either a ethylene polymer having an MFR2 of from 0.5 to 10 g/10min and a density of 0.910 to 0.935 g/cm³ (BC1) and/or an ethylene polymer having an MFR2 of from 0.05 to 0.4 g/10min and a density of 0.925 to 0.945 g/cm³ (BC2) in a total amount of from 20 to 40 wt.% of the core layer, and c) a catalytically produced polyethylene component (CC) which is a polyethylene having an MFR2 of from 0.2 to 2 g/10min and a density of from 0.950 to 0.970 g/cm³ in an amount of from 0 to 30 wt.% of the core layer, and wherein external layer(s) E1 and/or E2 comprise(s) a) a high-pressure produced polyethylene component (AE) which is a LDPE having an MFR2 of from 0.25 to 2 g/10min and a density of 0.915 to 0.930 g/cm³, to a process for producing a the film structure wherein the layers of the film structure are co-extruded, to a collation shrink film comprising the film structure and to the use of the collation shrink film for wrapping of articles.



WO 2022/106509 A1