

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
03 August 2023 (03.08.2023)



(10) International Publication Number
WO 2023/143926 A1

(51) International Patent Classification:

B29C 44/08 (2006.01) B29C 44/06 (2006.01)
B29C 44/42 (2006.01) B29C 44/02 (2006.01)
B29C 44/34 (2006.01)

(21) International Application Number:

PCT/EP2023/050659

(22) International Filing Date:

12 January 2023 (12.01.2023)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

2200952.6 25 January 2022 (25.01.2022) GB

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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, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, 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, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU,

(54) Title: MOULDED POLYMER ARTICLE AND MANUFACTURE THEREOF

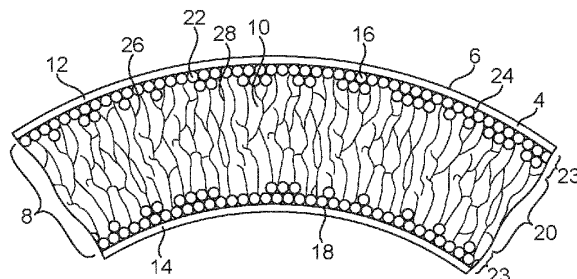


FIG. 2

(57) Abstract: A moulded polymer article comprising a monolithic wall part composed of a polymer, the monolithic wall part comprising a core layer of expanded cellular foam, composed of the polymer, disposed between, and integral with, first and second solid skins, composed of the polymer, wherein the core layer is multilaminar and comprises a first layer of the expanded cellular foam adjacent to the first solid skin, a second layer of the expanded cellular foam adjacent to the second solid skin, and an intermediate layer of the expanded cellular foam which is between, and adjacent to, the first and second layers, wherein the first and second layers comprise a first cellular microstructure comprising closed cells and the intermediate layer comprises a second cellular microstructure comprising cells which have an average aspect ratio between a maximum cell dimension and a minimum cell dimension which is greater than 2:1 and less than 5:1 and wherein in the second cellular microstructure the maximum cell dimension of the cells is oriented in a direction extending between the first and second solid skins.

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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, ME, 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))*
- *in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE*