

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
31 August 2023 (31.08.2023)



(10) International Publication Number
WO 2023/164725 A3

(51) International Patent Classification:

B29B 11/06 (2006.01) *B29B 11/12* (2006.01)
B29C 70/08 (2006.01) *B29C 43/00* (2006.01)
B29C 43/52 (2006.01)

(21) International Application Number:

PCT/US2023/063406

(22) International Filing Date:

28 February 2023 (28.02.2023)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/315,022 28 February 2022 (28.02.2022) US

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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,

(54) Title: MODIFIED LONG FIBER REINFORCED POLYMERIC COMPOSITE FLAKES HAVING PROGRESSIVE ENDS, METHODS OF PROVIDING THE SAME

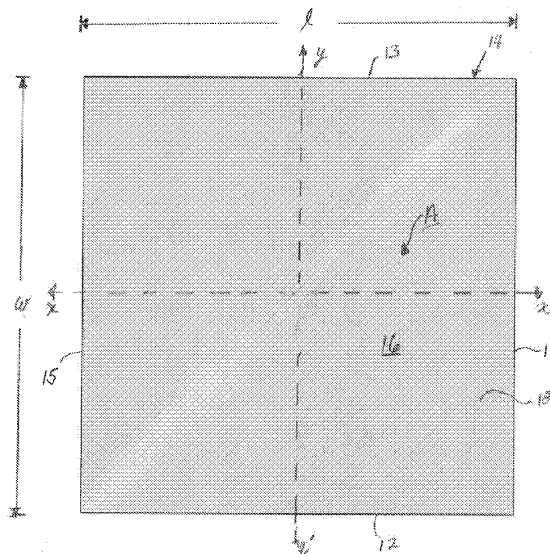


FIG. 1

(57) Abstract: Described are a method of providing a modified polymeric composite flake for use in forming articles, articles formed therefrom and modified polymeric composite flakes, wherein resulting articles formed from such modified polymeric composite flakes have enhanced tensile strength and impact resistance, particularly at high velocity. The method includes providing a composite having at least one polymeric matrix material and long reinforcing fibers of a first fiber material extending through the polymeric matrix material; and forming from the composite at least one flake, wherein the at least one flake comprises an exterior surface having an exterior edge, a portion of the exterior edge being configured to provide at least one exterior edge feature to the exterior edge of the at least one flake thereby providing a modified polymeric composite flake.

[Continued on next page]

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, SC, 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, 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).

Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

Published:

- *with international search report (Art. 21(3))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

(88) Date of publication of the international search report:

28 September 2023 (28.09.2023)