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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
28 September 2023 (28.09.2023)

WIPO | PCT

(10) International Publication Number
WO 2023/183006 A1

(51) International Patent Classification:
B65F 1/00 (2006.01) *B65F 5/00* (2006.01)

(21) International Application Number:
PCT/US2022/021948

(22) International Filing Date:
25 March 2022 (25.03.2022)

(25) Filing Language: English

(26) Publication Language: English

(72) Inventors; and

(71) Applicants: **YAMINE, Alexander** [US/US]; 1135 East 33rd place, Tulsa, OK 74105 (US). **YAMINE, Elias** [US/US]; 1135 East 33rd place, Tulsa, OK 74105 (US).

(74) Agent: **ZALEVSKY, Marina, V.** et al.; Sughrue Mion, PLLC, 2000 Pennsylvania Ave., N.W., Suite 9000, Washington, DC 20006 (US).

(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, JM, 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,

(54) Title: SYSTEM AND METHOD OF RECYCLING RECYCLABLE MATERIALS

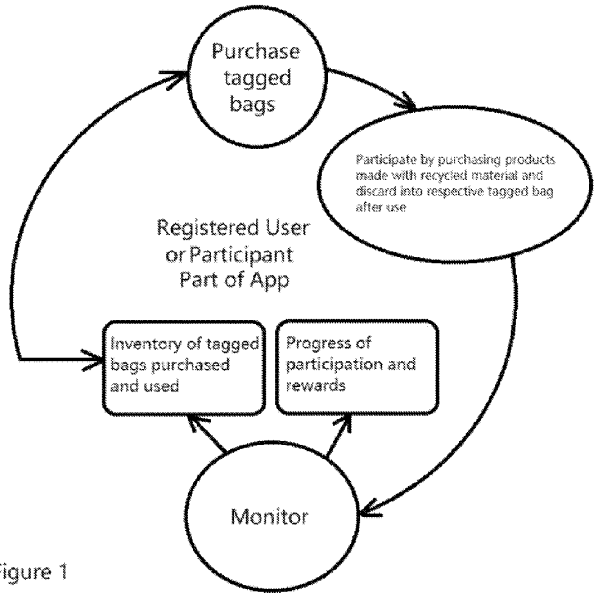


Figure 1

(57) Abstract: A process containing an efficient electronic and network enhanced recycling system which moves consumer recyclable elements which are discarded by a first individual and /or plurality of individual recycling participants to a respective plurality of electronically enhanced homogeneous one time use containers which when full, are individually discarded at a collection point in which said homogeneous containers are congregated in larger, electronically enhanced poly containment element whereby said electronic enhancement component notifies recyclable collection agency logistics of location, genre and weight. Once said recycling collector unit has picked up all of the homogeneous waste, it is taken to a recycling plant and each said electronically enhanced homogeneous recycling container is scanned for sorting and processing by useable and non-useable recycling materials after which said materials are processed, said first individual recycling participant is notified via network user interface of their participation efforts and given a reward.

WO 2023/183006 A1

[Continued on next page]

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, 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))*