

(43) International Publication Date
21 July 2022 (21.07.2022)



(10) International Publication Number
WO 2022/155484 A1

(51) International Patent Classification:

<i>C10G 1/10</i> (2006.01)	<i>C10G 9/18</i> (2006.01)
<i>C10G 1/00</i> (2006.01)	<i>B29B 17/04</i> (2006.01)
<i>C10G 1/02</i> (2006.01)	

(21) International Application Number:

PCT/US2022/012544

(22) International Filing Date:

14 January 2022 (14.01.2022)

(25) **Filing Language:** English

(26) **Publication Language:** English

(30) Priority Data:

63/138,233 15 January 2021 (15.01.2021) 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, 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,

(54) Title: CONVERSION OF WASTE PLASTICS TO PETROCHEMICALS

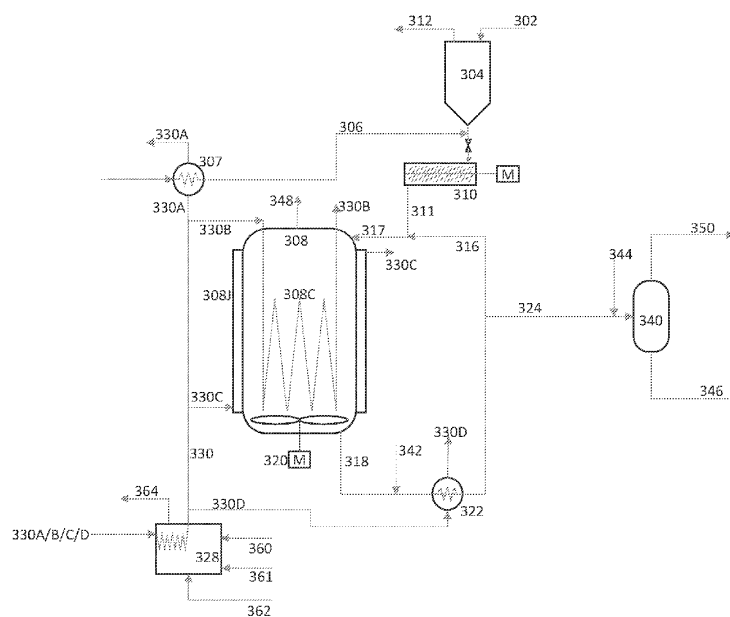


FIGURE 3

(57) Abstract: Process and systems for converting waste plastics include feeding a waste plastic to a melt tank, and in the melt tank, heating the waste plastic to form a molten plastic. The molten plastic is withdrawn from the melt tank and fed to a pyrolysis reactor. In the pyrolysis reactor, the molten plastic is heated to a pyrolysis temperature, producing a pyrolysis oil product and a liquid pitch product. The pyrolysis oil is then separated into a pyrolysis gas fraction, a light pyrolysis oil fraction, a medium pyrolysis oil fraction, and a heavy pyrolysis oil fraction.

[Continued on next page]

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))