

(43) International Publication Date
23 December 2021 (23.12.2021)



(10) International Publication Number
WO 2021/257066 A1

(51) International Patent Classification:

<i>C10G 9/36</i> (2006.01)	<i>C10G 31/08</i> (2006.01)
<i>C10G 69/06</i> (2006.01)	<i>C10G 55/04</i> (2006.01)
<i>C10G 49/00</i> (2006.01)	

(21) International Application Number:

PCT/US2020/038100

(22) International Filing Date:

17 June 2020 (17.06.2020)

(25) Filing Language:

English

(26) Publication Language:

English

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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, 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: HYDROCARBON PYROLYSIS OF ADVANTAGED FEEDS

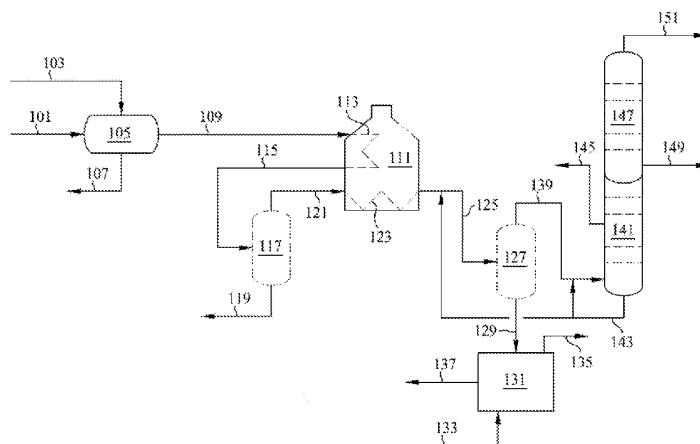


FIG. 1

(57) Abstract: The present disclosure relates to hydrocarbon pyrolysis of advantaged feeds. The advantaged feeds can comprise hydrocarbon, at least one halogen-containing composition, and at least one metal-containing composition, where the halogen-containing composition and the metal-containing composition are substantially different compositions. The disclosure encompasses steam cracking of advanced feeds comprising hydrocarbon and one or more of chloride-containing compositions, nickel-containing compositions, and vanadium-containing compositions.

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