



(51) International Patent Classification:

C10G 9/36 (2006.01) C10G 45/00 (2006.01)
C10J 3/00 (2006.01) C10G 75/00 (2006.01)
C10G 49/00 (2006.01) C10G 65/02 (2006.01)
C10G 69/06 (2006.01)

(21) International Application Number:

PCT/US2019/059695

(22) International Filing Date:

04 November 2019 (04.11.2019)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/757,022 07 November 2018 (07.11.2018) US
19152175.6 16 January 2019 (16.01.2019) EP

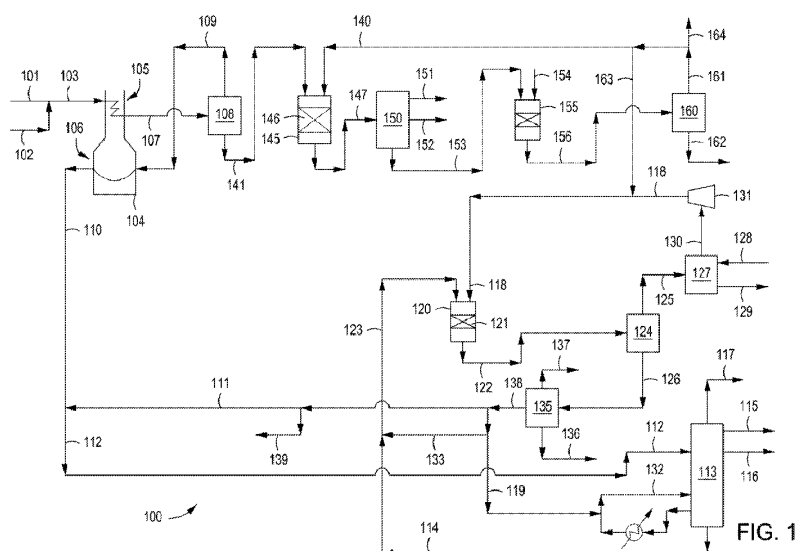
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP,

(54) Title: PROCESS FOR C₅+ HYDROCARBON CONVERSION



(57) Abstract: In some examples, a vapor phase product and a liquid phase product can be separated from a heated mixture that includes steam and a hydrocarbon. The vapor phase product can be steam cracked to produce a steam cracker effluent. The steam cracker effluent can be contacted with a quench fluid to produce a cooled steam cracker effluent. The steam cracker effluent can be at a temperature of > 300°C when initially contacted with the quench fluid. A tar product and a process gas that can include ethylene and propylene can be separated from the cooled steam cracker effluent. The tar product can be hydroprocessed to produce a first hydroprocessed product. A hydroprocessor heavy product and a utility fluid product can be separated from the first hydroprocessed product. The quench fluid can be or include at least a portion of the utility fluid product.

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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, SM, ST, SV, SY, TH, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, 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).

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))*