



(51) International Patent Classification:

C10G 55/04 (2006.01) C10G 67/00 (2006.01)
C10G 67/04 (2006.01) C10G 69/00 (2006.01)
C10G 69/14 (2006.01)

(21) International Application Number:

PCT/EP2014/063854

(22) International Filing Date:

30 June 2014 (30.06.2014)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

13174775.0 2 July 2013 (02.07.2013) EP

(71) Applicants: SAUDI BASIC INDUSTRIES CORPORATION [SA/SA]; P.O. Box 5101, Riyadh, 11422 (SA). SABIC GLOBAL TECHNOLOGIES B.V. [—/NL]; Plasticslaan 1, NL-4612 PX Bergen op Zoom (NL).

(72) Inventors; and

(71) Applicants (for US only): WARD, Andrew, Mark [GB/GB]; SABIC UK Petrochemicals, P.O. Box 99, TS10 4YA, United Kingdom, Wilton Centre TS10 4YA (GB). HOUSMANS, Thomas, Hubertus, Maria [NL/NL]; c/o SABIC Intellectual Property Group, P.O. Box 3008, NL-6160 GA Geleen (NL). OPRINS, Arno, Johannes, Maria [NL/NL]; c/o SABIC Intellectual Property Group, P.O. Box 3008, NL-6160 GA Geleen (NL).

(74) Agent: SABIC INTELLECTUAL PROPERTY GROUP; P.O. Box 3008, NL-6160 GA Geleen (NL).

(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, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, 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, 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:

— of inventorship (Rule 4.17(iv))

Published:

— with international search report (Art. 21(3))

(54) Title: METHOD OF PRODUCING AROMATICS AND LIGHT OLEFINS FROM A HYDROCARBON FEEDSTOCK

(57) Abstract: The present invention relates to method of producing aromatics and light olefins from a hydrocarbon feedstock comprising the steps of: (a) subjecting the hydrocarbon feedstock to a solvent extraction process in a solvent extraction unit; (b) separating from the solvent extracted hydrocarbon feedstock obtained in step (a) a raffinate fraction comprising paraffins and a fraction comprising aromatics and naphthenes; (c) converting said fraction comprising aromatics and naphthenes in a hydrocracking unit and separating into a high content aromatics fraction and a stream high in light paraffins;; (d) converting said raffinate fraction in a steam cracking unit into light olefins.

