

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
12 November 2020 (12.11.2020)



(10) International Publication Number
WO 2020/227613 A1

(51) International Patent Classification:

C10B 53/04 (2006.01) C10G 1/00 (2006.01)
C10B 55/02 (2006.01)

(21) International Application Number:

PCT/US2020/032050

(22) International Filing Date:

08 May 2020 (08.05.2020)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

1906563.0 09 May 2019 (09.05.2019) GB
1907378.2 24 May 2019 (24.05.2019) GB

(71) Applicant: **ARQ IP LIMITED** [GB/GB]; 64 New
Cavendish Street, London W1G 8TB (GB).

(72) Inventors; and

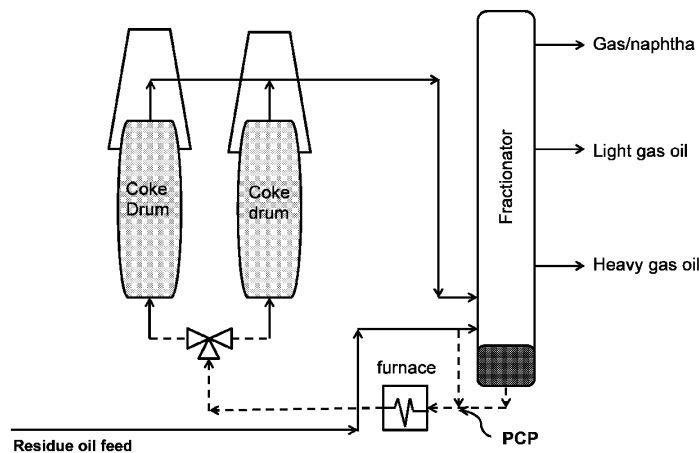
(71) Applicants: **UNSWORTH, John** [GB/GB]; c/o Arq IP
Limited, 64 New Cavendish Street, London W1G 8TB
(GB). **PASPEK, Stephen** [US/US]; 459 Quail Run Drive,
Broadview Heights, Ohio 44147 (US).

(74) Agent: **MOLLOY, Matthew A.** et al.; Dinsmore & Shohl
LLP, One South Main Street, Fifth Third Center, Suite 1300,
Dayton, Ohio 45402 (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, 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,

(54) Title: PROCESSES FOR UTILISATION OF PURIFIED COAL TO UPGRADE REFINERY PROCESS COMPONENTS IN
THE MANUFACTURE OF PETROLEUM COKE

Figure 1



(57) Abstract: Processes for the production of coke, and one or more volatile products comprise the steps of: (i) providing a purified coal product (PCP), wherein the PCP is in particulate form, and wherein at least about 90%v of the particles are no greater than about 100 μm in diameter; wherein the PCP has an ash content of less than about 10%w and a water content of less than around 5%w; (ii) combining the PCP with a liquid residue oil to create a combined solid-liquid blend, wherein the solid-liquid blend comprises at least around 0.1%w and at most around 30%w PCP; (iii) subjecting the solid-liquid blend to a temperature in excess of 375 $^{\circ}\text{C}$ for a time period sufficient to induce cracking of at least 1% of the PCP particles to generate the one or more volatile products, and (iv) producing coke from the product of step (iii).

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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))