

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
03 July 2025 (03.07.2025)



(10) International Publication Number
WO 2025/144693 A1

(51) International Patent Classification:

C10G 65/12 (2006.01) C10G 65/16 (2006.01)
C10G 65/04 (2006.01) C10G 3/00 (2006.01)

1031 HW Amsterdam (NL). MUCCIOLI, Paolo; Grasweg
31, 1031 HW Amsterdam (NL). KALOSPYROS, Niko-
laos; 20 York Road, London SE1 7ND (GB).

(21) International Application Number:

PCT/US2024/061193

(74) Agent: VANDENHOFF, Deborah G.; SHELL USA,
INC., P.O. BOX 576, Houston, Texas 77001-057 (US).

(22) International Filing Date:

19 December 2024 (19.12.2024)

(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, CV, CZ, DE, DJ, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG,
KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY,
MA, MD, MG, MK, MN, MU, 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.

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

202311089172 27 December 2023 (27.12.2023) IN
24156215.6 07 February 2024 (07.02.2024) EP

(71) Applicant (for US only): SHELL USA, INC. [US/US];
P.O. BOX 576, Houston, Texas 77001-0576 (US).

(71) Applicant (for all designated States except US): SHELL
INTERNATIONALE RESEARCH MAATSCHAPPIJ
B.V. [NL/NL]; Carel van Bylandtlaan 30, NL-2596 The
Hague (NL).

(72) Inventors: RAJASINGH, Vijay Singh; Plot No 7, Ben-
galuru Hardware Park, Devanahalli Industrial Park. Ma-
hadeva Kodigahalli, Karnataka, Bangalore North 562149
(IN). VAN DOESBURG, Edmundo Steven; Grasweg 31,

(84) Designated States (unless otherwise indicated, for every

kind of regional protection available): ARIPO (BW, CV,
GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, 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, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE,

(54) Title: PROCESS FOR PRODUCING FUEL FROM PETROLEUM DERIVED AND RENEWABLE SOURCES

(57) Abstract: A process for producing fuel from a renewable feedstock and a petroleum-derived oil involves hydrotreating the renewable feedstock and there-
after combining the hydrotreated renewable oil and the petroleum-derived oil. A
combined liquid is reacted in a hydroisomerization zone to produce an isomerized
effluent.

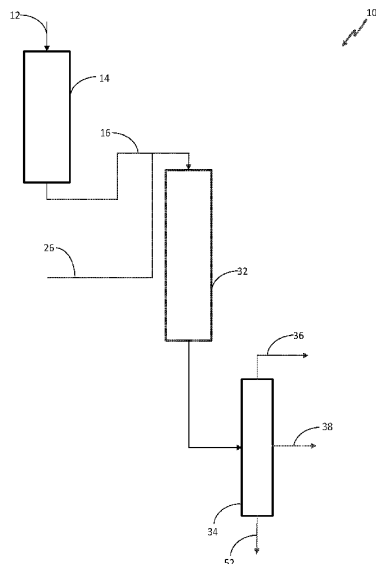


FIG. 1

WO 2025/144693 A1

[Continued on next page]

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))*