

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
07 July 2022 (07.07.2022)



(10) International Publication Number
WO 2022/146734 A1

(51) International Patent Classification:
C10G 45/64 (2006.01)

(21) International Application Number:
PCT/US2021/064268

(22) International Filing Date:
20 December 2021 (20.12.2021)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
17/138,260 30 December 2020 (30.12.2020) US

(71) Applicant: **CHEVRON U.S.A. INC.** [US/US]; 6001
Bollinger Canyon Road, P.O. Box 6006, San Ramon, Cali-
fornia 94583-0806 (US).

(72) Inventors: **KRISHNA, Kamala R.**; c/o Chevron Corpora-
tion, P.O. Box 6006, San Ramon, California 94583-0806
(US). **ZHANG, Yihua**; c/o Chevron Corp., P.O. Box 6006,
San Ramon, California 94583-0806 (US). **LEI, Guan-Dao**;
c/o Chevron Corporation, P.O. Box 6006, San Ramon,
California 94583-0806 (US). **OJO, Adeola Florence**; c/o
Chevron Corporation, P.O. Box 6006, San Ramon, Califor-
nia 94583-0806 (US).

(74) Agent: **WARZEL, Mark** et al.; P.O. Box 6006, San Ra-
mon, California 94583-0806 (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, IT, 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).

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))*

(54) Title: PROCESSES FOR PRODUCING DIESEL FROM UNCONVENTIONAL FEEDSTOCKS

(57) Abstract: Described herein are processes for hydroisomerising an un-
conventional feedstock using a hydroisomerisation catalyst comprising ze-
olite SSZ-91, zeolite SSZ-32, or zeolite SSZ-32x to provide a diesel fuel.

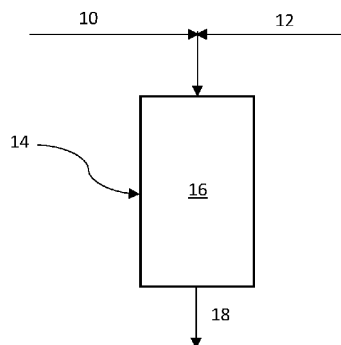


FIG. 1

WO 2022/146734 A1