

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
05 June 2025 (05.06.2025)



(10) International Publication Number
WO 2025/117208 A1

(51) International Patent Classification:

C07C 1/20 (2006.01) C07C 11/06 (2006.01)
C07C 1/24 (2006.01) C07C 11/04 (2006.01)
C07C 11/08 (2006.01)

(21) International Application Number:

PCT/US2024/056043

(22) International Filing Date:

15 November 2024 (15.11.2024)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/603,330 28 November 2023 (28.11.2023) US
63/627,521 31 January 2024 (31.01.2024) US

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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, 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.

(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, 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))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

(54) Title: SYSTEMS AND PROCESSES FOR CATALYTIC CONVERSION OF C₁-C₅ ALCOHOLS TO C₂-C₅ OLEFIN MIXTURES

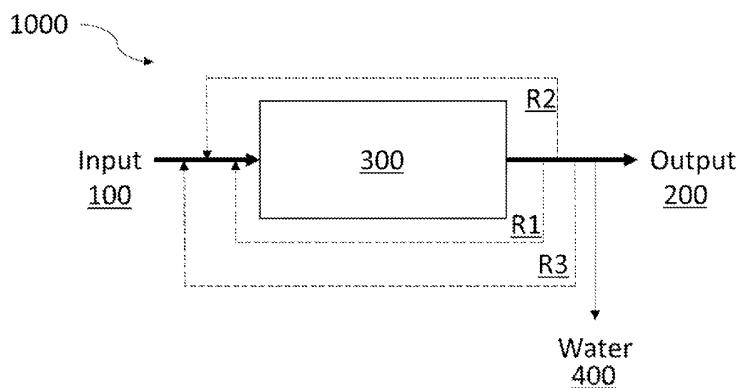


FIG. 1

(57) Abstract: Processes for converting one or more C₁-C₅ linear or branched alcohols to one or more C₂-C₅ olefins are provided. In one exemplary aspect, the process can be a single stage process for the direct conversion of C₁-C₅ alcohols to olefinic mixtures (e.g., C₂-C₅) carried out in a reactor using a catalyst that includes a zeolite doped with at least one or more metal dopants. Systems for carrying out these processes are also provided.

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