

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
18 July 2024 (18.07.2024)



(10) International Publication Number
WO 2024/151815 A1

(51) International Patent Classification:

B01J 21/04 (2006.01) *B01J 35/31* (2024.01)
B01J 23/882 (2006.01) *C10G 1/08* (2006.01)

(21) International Application Number:

PCT/US2024/011164

(22) International Filing Date:

11 January 2024 (11.01.2024)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

202341002724 13 January 2023 (13.01.2023) IN

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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).

Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a
patent (Rule 4.17(ii))

Published:

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

(54) Title: HYDROPYROLYSIS CATALYST

(57) Abstract: The present disclosure provides a hydropyrolysis catalyst that includes molybdenum and a metal selected from those in groups 8, 9 and 10 of the periodic table as active species and in the range of from 35 to 60wt% of alpha alumina with a particle density of at least 3.5 g/cm³ and 30 to 60wt% of an alumina, which is not alpha alumina, with a particle density of at least 0.8 g/cm³, based on the overall weight of the catalyst in oxidic form. The present disclosure also provides a method of producing the hydropyrolysis catalyst.

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