

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
03 March 2022 (03.03.2022)



(10) International Publication Number
WO 2022/047475 A3

(51) International Patent Classification:

B01J 23/85 (2006.01) **B01J 27/188** (2006.01)
B01J 23/883 (2006.01)

(21) International Application Number:

PCT/US2021/071273

(22) International Filing Date:

25 August 2021 (25.08.2021)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/070,552 26 August 2020 (26.08.2020) 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, 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,

(54) Title: INCORPORATION OF BORON IN HYDROPROCESSING CATALYSTS, CATALYSTS OBTAINED AND USE THEREOF

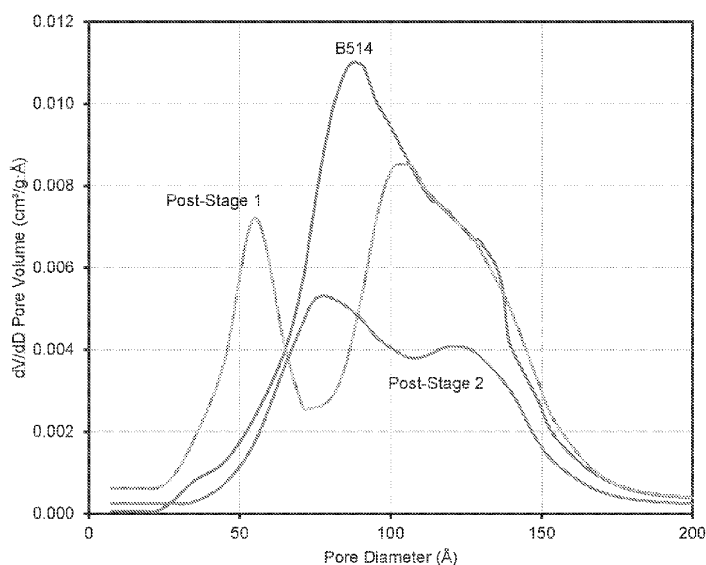


FIG. 1

(57) Abstract: A method of producing a support, and supported catalyst, the method comprising: (a) combining a porous inorganic oxide catalyst carrier or carrier extrudate with an aqueous solution, dispersion or suspension comprising: (i) a boron-containing source; and (ii) an organic compound or organic chelating agent selected from organic compounds comprising at least two oxygen atoms and 2-10 carbon atoms; (b) calcining the composition (a) to reduce its Loss on Ignition (LOI) volatiles content to greater than 0 wt% to less than about 5 wt%; (c) impregnating the calcined composition an aqueous composition comprising at least one each of a Group VIB and Group VIIIB metal-containing source; and (d) calcining, to reduce its LOI volatiles content greater than 0 wt% to less than about 30 wt%; wherein the boron content of a supported catalyst is in the range of about 1 wt% to about 13 wt B₂O₃ based on the total weight of the catalyst.

[Continued on next page]

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).

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))*

(88) Date of publication of the international search report:

07 April 2022 (07.04.2022)