

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

(19) World Intellectual Property
Organization
International Bureau



(10) International Publication Number
WO 2022/243513 A1

(43) International Publication Date
24 November 2022 (24.11.2022)

(51) International Patent Classification:

B01J 23/755 (2006.01) **B01J 37/03** (2006.01)
B01J 35/00 (2006.01) **B01J 37/14** (2006.01)
B01J 35/10 (2006.01) **B01J 33/00** (2006.01)

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- of inventorship (Rule 4.17(iv))

(21) International Application Number:

PCT/EP2022/063715

(22) International Filing Date:

20 May 2022 (20.05.2022)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

21175230.8 21 May 2021 (21.05.2021) EP

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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, IQ, IR, IS, IT, JM, 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).

(54) Title: A HYDROGENATION CATALYST AND ITS PRECURSOR COMPRISING NI, AL, AND A SUPPORT MATERIAL COMPRISING SiO₂

(57) Abstract: The present invention relates to a specific hydrogenation catalyst and to its precursor. Further, the present invention relates to methods for preparation of the hydrogenation catalyst and its precursor and use thereof. In particular, the specific hydrogenation catalyst and its precursor comprise Ni, Al, and a support material comprising SiO₂, wherein the Ni is supported on the support material, and wherein the precursor exhibits a specific peak maximum in the temperature programmed reduction.

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