

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

(19) World Intellectual Property
Organization

International Bureau

(43) International Publication Date
04 May 2023 (04.05.2023)



(10) International Publication Number
WO 2023/075987 A1

(51) International Patent Classification:
C08G 65/26 (2006.01) C08G 65/40 (2006.01)
B01J 27/26 (2006.01)

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).

(21) International Application Number:
PCT/US2022/045375

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))

(22) International Filing Date:
30 September 2022 (30.09.2022)

(25) Filing Language: English

(26) Publication Language: English

Published:

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

(30) Priority Data:
63/271,650 25 October 2021 (25.10.2021) US

(71) Applicant: **DOW GLOBAL TECHNOLOGIES LLC**
[US/US]; 2211 H. H. Dow Way, Midland, Michigan 48674
(US).

(72) Inventors: **STEELMAN, David K.**; 2301 N. Brazosport
Boulevard, Freeport, Texas 77541 (US). **NIKBIN, Ni-**
ma; 230 Abner Jackson Boulevard, Lake Jackson, Texas
77566 (US). **RAGHURAMAN, Arjun**; 230 Abner Jackson
Parkway, Lake Jackson, Texas 77566 (US). **ZIEBARTH,**
Robin P.; 1776 Building, Washington Street, Midland,
Michigan 48667 (US). **WESTON, John W.**; 230 Abner
Jackson Parkways, Lake Jackson, Texas 77566 (US).
MASY, Jean-Paul; Herbert H. Dowweg 5, 4542 Hoek,
Postbus 48, 4530 AA Terneuzen (NL).

(74) Agent: **COHN, Gary C.**; 135 Beaconsfield Road #2,
Brookline, Massachusetts 02445 (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, 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, 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,

(54) Title: POLYETHER POLYMERIZATION PROCESS

(57) Abstract: Alkylene oxides are polymerized in the presence of a catalyst system that includes a double metal cyanide catalyst that is modified with certain metal or semi-metal compounds. At least one additive is present. The additive is an alkali metal, ammonium or quaternary ammonium salt of a monocarboxylic acid having up to 24 carbon atoms; monobasic potassium phosphate, a monobasic ammonium or quaternary ammonium phosphate, a dibasic ammonium and quaternary ammonium phosphate or phosphoric acid.

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