

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
02 July 2020 (02.07.2020)



(10) International Publication Number
WO 2020/135708 A1

(51) International Patent Classification:
C08K 5/00 (2006.01) C08F 2/38 (2006.01)

(21) International Application Number:
PCT/CN2019/129187

(22) International Filing Date:
27 December 2019 (27.12.2019)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
62/786,084 28 December 2018 (28.12.2018) US
62/786,100 28 December 2018 (28.12.2018) US
62/786,119 28 December 2018 (28.12.2018) US
62/786,110 28 December 2018 (28.12.2018) US

SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, 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))

(71) Applicant: **DOW GLOBAL TECHNOLOGIES LLC**
[US/US]; 2040 Dow Center, Midland, Michigan 48674 (US).

(72) Inventors; and

(71) Applicants (for SC only): **MUNRO, Jeffrey C.** [US/US]; 230 Abner Jackson Parkway, Lake Jackson, Texas 77566 (US). **WU, Gaoxiang** [CN/US]; 230 Abner Jackson Parkway, Lake Jackson, Texas 77566 (US). **KUMMER, Kyle G.** [US/US]; 230 Abner Jackson Parkway, Lake Jackson, Texas 77566 (US). **YU, Haiyang** [CN/CN]; No. 936, Zhangheng Road, Shanghai Pilot Free Trade Zone, Shanghai 201203 (CN). **YANG, Hong** [CN/CN]; No. 936, Zhangheng Road, Shanghai Pilot Free Trade Zone, Shanghai 201203 (CN). **CHEN, Hongyu** [US/CN]; No. 936, Zhangheng Road, Shanghai Pilot Free Trade Zone, Shanghai 201203 (CN). **HABERSBERGER, Brian M.** [US/US]; 230 Abner Jackson Parkway, Lake Jackson, Texas 77566 (US). **SUN, Lixin** [US/US]; 230 Abner Jackson Parkway, Lake Jackson, Texas 77566 (US). **LIPIZHAN, Colin** [CA/US]; 11200 Broadway Street, Apartment 4108, Pearland, Texas 77584 (US).

(74) Agent: **WU, FENG & ZHANG**; 3 FL, Building 2, Yard 3, Fengxiuzhonglu Road, Haidian District, Beijing 100094 (CN).

(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, 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,

(54) Title: CURABLE COMPOSITIONS COMPRISING UNSATURATED POLYOLEFINS

(57) Abstract: The present disclosure relates to unsaturated polyolefins and processes for preparing the same. The present disclosure further relates to curable formulations comprising the unsaturated polyolefins that show improved crosslinking.

WO 2020/135708 A1