



(51) International Patent Classification:

C07C 217/08 (2006.01) *C11D 1/44* (2006.01)
C08G 18/50 (2006.01) *A61K 8/41* (2006.01)
C08G 59/50 (2006.01)

(21) International Application Number:

PCT/EP2014/065114

(22) International Filing Date:

15 July 2014 (15.07.2014)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

13181700.9 26 August 2013 (26.08.2013) EP

(71) Applicant: BASF SE [DE/DE]; 67056 Ludwigshafen (DE).

(72) Inventors: **EBERT, Sophia**; Richard-Wagner-Str. 53, 68165 Mannheim (DE). **LUDOLPH, Björn**; Marienstraße 14-16, 67063 Ludwigshafen (DE). **WIGBERS, Christof Wilhelm**; Lange Rötterstraße 102, 68167 Mannheim (DE). **MAAS, Steffen**; Dr.-Fritz-Bockins-Str. 19, 55270 Bubenheim (DE). **BOECKH, Dieter**; Zeppelinweg 3, 67117 Limburgerhof (DE). **HUELSKOETTER, Frank**; Im Nonnengarten 41, 67098 Bad Dürkheim (DE). **LOUGHNANE, Brian J.**; 5516 Lake Michigan Drive, Fairfield, Ohio 45014 (US). **EICHSTADT WAUN, Amy**; 8065 Vegas Circle, West Chester, Ohio 45069 (US). **CHRISTMAS, Kevin**; 5837 Meadowview Drive, Mason, Ohio

45040 (US). **REES, Darren**; 167 Cloverfield, West Allotment, Newcastle (GB). **SCIALLA, Stefano**; Via Rastrelli 81, I-00128 Roma (IT).

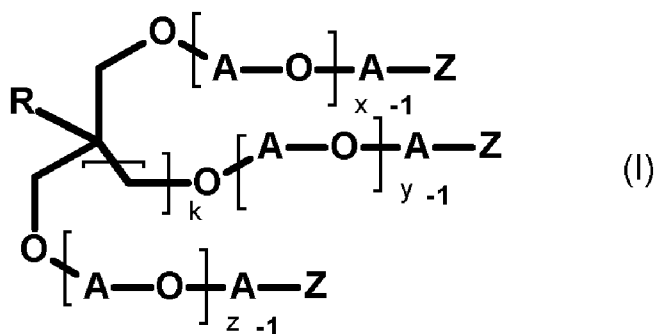
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, 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, 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, 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))

(54) Title: ETHERAMINES BASED ON ALKOXYLATED GLYCERINE OR TRIMETHYLOLPROPANE.



(57) Abstract: This invention relates to an etheramine of formula (I) based on glycerine or trimethylolpropane and its manufacturing process, wherein R = H or ethyl, k = 0 or 1 A represents a linear or branched alkylene group having C₂-C₁₈ carbon atoms, A may be the same as or different from one another, at least one A represents a linear or branched C₄-alkylene group, the sum of x, y and z lies in the range of 3 to 100, x ≥ 1, y ≥ 1 and z ≥ 1, Z = NH₂ or OH but at least two Z per molecule are NH₂.