



(51) International Patent Classification:

C09K 13/08 (2006.01) C23F 1/44 (2006.01)
C07F 7/08 (2006.01) G03F 7/42 (2006.01)
C23F 1/26 (2006.01) H01L 31/0236 (2006.01)

(21) International Application Number:

PCT/US2024/041266

(22) International Filing Date:

07 August 2024 (07.08.2024)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/531,210 07 August 2023 (07.08.2023) US
18/795,161 05 August 2024 (05.08.2024) US

(71) Applicant: ADVANSIX RESINS & CHEMICALS LLC

[US/US]; 300 Kimball Drive, Suite 101, Parsippany, New Jersey 07054 (US).

(72) Inventors: ASIRVATHAM, Edward; c/o AdvanSix

Resins & Chemicals LLC, 300 Kimball Drive, Suite 101, Parsippany, New Jersey 07054 (US). ANANTHAPADMANABHAN, Kavssery; c/o AdvanSix Resins & Chemicals LLC, 300 Kimball Drive, Suite 101, Parsippany, New Jersey 07054 (US). KUMARI, Harshita; c/o AdvanSix Resins & Chemicals LLC, 300 Kimball Drive, Suite 101,

Parsippany, New Jersey 07054 (US). MITTAPALLI, Ramana; c/o AdvanSix Resins & Chemicals LLC, 300 Kimball Drive, Suite 101, Parsippany, New Jersey 07054 (US). PANIGRAHI, Suchitra; c/o AdvanSix Resins & Chemicals LLC, 300 Kimball Drive, Suite 101, Parsippany, New Jersey 07054 (US).

(74) Agent: COX, Adam et al.; 2200 Wells Fargo Center, 90 South Seventh Street, Minneapolis, Minnesota 55402 (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, MG, MK, MN, MU, 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, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, 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,

(54) Title: SURFACTANTS FOR ELECTRONICS

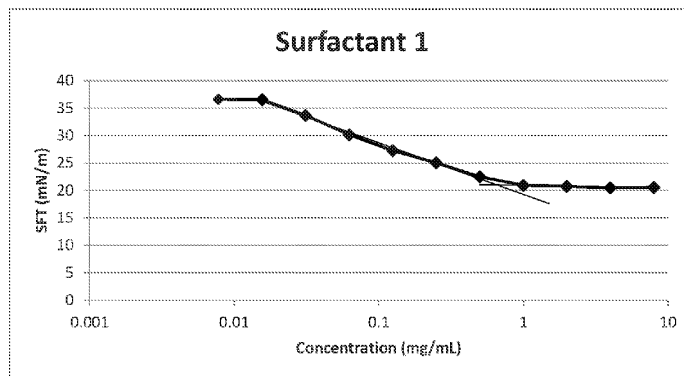


FIG. 1

(57) Abstract: Pre-texturing agents, etchants, and photoresist stripping agents may be formulated to include one or more surfactants, from one or more surfactant classes, such as siloxane derivatives of amino acids that have surface-active properties.

[Continued on next page]

DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT,
LU, LV, MC, ME, 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))