



(51) International Patent Classification:
C11D 1/62 (2006.01)

(21) International Application Number:
PCT/US2013/026692

(22) International Filing Date:
19 February 2013 (19.02.2013)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/601,121 21 February 2012 (21.02.2012) US

(71) Applicant: STEPAN COMPANY [US/US]; 22 West
Frontage Road, Northfield, Illinois 60093 (US).

(72) Inventors: MURPHY, Dennis S.; 1239 Deer Trail Lane,
Libertyville, Illinois 60048 (US). GARIEPY, Christopher
A.; 2954 Acorn Lane, Northbrook, Illinois 60062 (US).
MATACHE, Carmen; 716 N. Wilshire Drive, Mount
Prosepect, Illinois 60056 (US). BERTHOLF, Daniel; 1748
Linneman Street, Glenview, Illinois 60025 (US).

(74) Agent: GALLAGHER, Priscilla F.; McAndrews, Held &
Malloy LTD, 500 W Madison, Suite 3400, Chicago,
Illinois 60661 (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, CZ, DE, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, 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, 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,
ML, MR, NE, SN, TD, TG).

Published:

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

(54) Title: FABRIC SOFTENER COMPOSITIONS

(57) Abstract: Low-viscosity liquid fabric softening compositions are disclosed that comprise a fabric softener active system that contains at least one ammonium fabric softener compound and less than 8% added solvent. The fabric softening compositions have a Dispersion Parameter that is less than 100, provided the fabric softening active system has a viscosity of less than 2000 cP at 80° C and the fabric softening composition has an initial viscosity of less than 400 cP. A method of preparing the liquid fabric softening composition and a method of softening fabric articles with the liquid fabric softening composition are also disclosed.

