



- (51) **International Patent Classification:**
A61L 15/46 (2006.01) *A61L 15/60* (2006.01)
- (21) **International Application Number:**
PCT/JP2013/000942
- (22) **International Filing Date:**
20 February 2013 (20.02.2013)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
2012-038019 23 February 2012 (23.02.2012) JP
- (71) **Applicant:** LIVEDO CORPORATION [JP/JP]; 45-2, Handaotsu, Kanadacho, Shikokuchuo-shi, Ehime, 7990122 (JP).
- (72) **Inventors:** OTA, Yoshihisa; c/o Tokushima Sadamitsu Factory in LIVEDO CORPORATION, 89-1, Aza, Koyamakita, Sadamitsu, Tsurugi-cho, Mima-gun, Tokushima, 7794104 (JP). NISHIDA, Motoko; c/o Tokushima Sadamitsu Factory in LIVEDO CORPORATION, 89-1, Aza, Koyamakita, Sadamitsu, Tsurugi-cho, Mima-gun, Tokushima, 7794104 (JP). IKEUCHI, Masatoshi; c/o Tokushima Sadamitsu Factory in LIVEDO CORPORATION, 89-1, Aza, Koyamakita, Sadamitsu, Tsurugi-cho, Mima-gun, Tokushima, 7794104 (JP).
- (74) **Agent:** FUTAKUCHI, Osamu; Shin-Osaka Matsushima Bldg. 8F, 8-15, Nishinakajima 3-chome, Yodogawa-ku, Osaka-shi, Osaka, 5320011 (JP).

(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, 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))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

(54) **Title:** ABSORBER AND ABSORBENT ARTICLE USING THE SAME

(57) **Abstract:** To provide an absorbent body and an absorbent article having excellent deodorization effect. The present invention provides an absorber comprising, a crosslinked polymer mainly composed of acrylic acid and having carboxyl groups thereof being at least partially neutralized as a water-absorbent resin powder, and an antibacterial cationic surfactant, wherein the antibacterial cationic surfactant is a compound neutralized with an acid having an acid dissociation constant pKa in water at 25 degrees centigrade in a range from 3.0 to 5.5.

