



- (51) **International Patent Classification:**
G01N 33/50 (2006.01) *G01N 33/92* (2006.01)
- (21) **International Application Number:**
PCT/EP2012/000898
- (22) **International Filing Date:**
1 March 2012 (01.03.2012)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
61/449,535 4 March 2011 (04.03.2011) US
- (71) **Applicants (for all designated States except US):** **BAXTER INTERNATIONAL INC.** [US/US]; One Baxter Parkway, Deerfield, Illinois 60015 (US). **BAXTER HEALTHCARE S.A.** [CH/CH]; Thurgauerstr. 130, 8152 Glattpark (Opfikon) (CH).
- (72) **Inventors; and**
- (75) **Inventors/Applicants (for US only):** **WEBER, Alfred** [AT/AT]; Skraupstrasse 24/42/8, 1210 Vienna (AT). **ENGELMAIER, Andrea** [AT/AT]; Benedikt Schellinger-gasse 17/25, 1150 Vienna (AT). **ANDERLE, Heinz** [AT/AT]; Kautekgasse 12/6, A-3400 Klosterneuburg (AT). **SCHWARZ, Hans-Peter** [AT/AT]; Weimarer Strasse 76, A-1180 Vienna (AT).
- (74) **Agent:** **HOCK, Joachim;** Müller-Boré & Partner, Grafingerstraße 2, 81671 München (DE).

(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, 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, 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, MD, 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:** METHOD FOR THE DETERMINATION OF POLYSORBATE

(57) **Abstract:** The present invention relates to a method for the determination of polysorbate in a protein-containing sample. The method of the present invention involves the pretreatment of the sample by alkaline hydrolysis followed by colorimetric determination on the basis of the metal complex of the analyte with a thiocyanate reagent, the complex being extracted in an immiscible organic solvent. The alkaline hydrolysis accounts for the removal of the interfering proteins and enhance selectivity over surfactants similar to the analyte, e.g. for Tween 80 over Triton X-100.

