(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
24 September 2009 (24.09.2009)

PCT

(10) International Publication Number
WO 2009/117056 A1

(51) **International Patent Classification**:
A61K 9/08 (2006.01) *A61K 47/02* (2006.01)
A61K 33/40 (2006.01) *A61L 12/12* (2006.01)

(21) **International Application Number**:
PCT/US2009/001495

(22) **International Filing Date**:
9 March 2009 (09.03.2009)

(25) **Filing Language**: English

(26) **Publication Language**: English

(30) **Priority Data**:
61/037,894 19 March 2008 (19.03.2008) US
12/399,681 6 March 2009 (06.03.2009) US

(71) **Applicant** *(for all designated States except US)*: **JOHNSON & JOHNSON VISION CARE, INC.** [US/US]; Suite 100, 7500 Centurion Parkway, Jacksonville, FL 32256 (US).

(72) **Inventors; and**
(75) **Inventors/Applicants** *(for US only)*: **COLLINS, Gary, L.** [US/US]; 4313 Windswept Court, Jacksonville, FL 32257 (US). **HARGISS, Marcie** [US/US]; 12472 Allport Road, Jacksonville, FL 32258 (US). **LADA, Mark** [US/US]; 244 Saint Johns Golf Drive, St. Augustine, FL 32092 (US). **MCKEE, Robert, T.** [US/US]; 4358 Worth Drive East, Jacksonville, FL 32207 (US).

(74) **Agent**: **JOHNSON, Philip, S.**; Johnson & Johnson, One Johnson & Johnson Plaza, New Brunswick, NJ 08933-7003 (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, BR, BW, BY, BZ, CA, CH, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (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, SE, SI, SK, 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))*

WO 2009/117056 A1

(54) **Title**: PHOSPHATE BUFFERED OPHTHALMIC SOLUTIONS DISPLAYING IMPROVED EFFICACY

(57) **Abstract**: The present invention relates to ophthalmic compositions comprising a pH between about 6 and about 8 and about 50 to about 1000 ppm hydrogen peroxide and at least one phosphate buffer. The ophthalmic compositions of the present invention display improved antifungal efficacy against fungi, including *Candidas albicans* and *fusarium solani*.