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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
11 September 2009 (11.09.2009)

PCT

(10) International Publication Number
WO 2009/111418 A3

(51) International Patent Classification:
A61K 9/08 (2006.01) *A61K 31/14* (2006.01)

(21) International Application Number:
PCT/US2009/035787

(22) International Filing Date:
3 March 2009 (03.03.2009)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

61/067,925	3 March 2008 (03.03.2008)	US
61/096,096	11 September 2008 (11.09.2008)	US
61/111,919	6 November 2008 (06.11.2008)	US
12/396,131	2 March 2009 (02.03.2009)	US

(71) Applicant *(for all designated States except US)*: **ALLERGAN, INC.** [US/US]; 2525 Dupont Drive, T2-7h, Irvine, California 92612 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **FARNES, Eldon Quinn** [US/US]; 1260 Anacapa Way, Laguna Beach, California 92651 (US). **ATTAR, Mayssa** [US/US]; 1018 Maertzweiler Drive, Placentia, California 92870 (US). **SCHIFFMAN, Rhett M.** [US/US]; 1843 Temple Hills Drive, Laguna Beach, California 92651 (US). **CHANG, Chin-ming** [US/US]; 11645 Maynard Avenue, Tustin, California 92782 (US). **GRAHAM, Richard S.** [US/US]; 5066 Balsawood, Irvine, California 92612 (US). **WELTY, Devin F.** [US/US]; 37 Tessera Avenue, Foothill Ranch, California 92610 (US).

(74) Agents: **WURST, John** et al.; Allergan, Inc., 2525 Dupont Drive, Irvine, California, 92612 (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))*

— *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))*

(88) Date of publication of the international search report:
1 April 2010

WO 2009/111418 A3

(54) Title: KETOROLAC TROMETHAMINE COMPOSITIONS FOR TREATING OR PREVENTING OCULAR PAIN

(57) Abstract: The present invention provides an aqueous ophthalmic solution comprising an effective amount of ketorolac which comprises carboxymethyl cellulose in an aqueous solution wherein said concentration of carboxymethyl cellulose is selected to provide an increased absorption of ketorolac in the eye of a patient that is at least 130% greater than the absorption of a comparative aqueous ketorolac ophthalmic solution having the same concentration of ketorolac.