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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
30 September 2004 (30.09.2004)

PCT

(10) International Publication Number
WO 2004/082625 A2

(51) International Patent Classification[7]: A61K

(21) International Application Number:
PCT/US2004/008076

(22) International Filing Date: 17 March 2004 (17.03.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/392,375 18 March 2003 (18.03.2003) US

(71) Applicant *(for all designated States except US)*: **ADVANCED MEDICAL OPTICS, INC.** [US/US]; 1770 E. St. Andrew Place, P.O. Box 25162, Santa Ana, CA 92799-5162 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **YU, Zhi-Jian** [US/US]; 6 Troy, Irvine, CA 92620 (US). **HUTH, Stanley, W.** [US/US]; 1975 Port Laurent Place, Newport Beach, CA 92660 (US). **CRAWFORD, Lauren, L.** [US/US]; 161 California Court, Mission Viejo, CA 92692 (US). **COOK, James, N.** [US/US]; 28472 Botorrita, Mission Viejo, CA 92692 (US).

(74) Agent: **ALTMAN, Daniel, E.**; Knobbe, Martens, Olson & Bear, LLP, 2040 Main Street, Fourteenth Floor, Irvine, CA 92614 (US).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, 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, HU, IE, IT, LU, MC, NL, 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:**
— *without international search report and to be republished upon receipt of that report*

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: SELF-EMULSIFYING COMPOSITIONS, METHODS OF USE AND PREPARATION

(57) Abstract: Preparation of self-emulsifying compositions which are prepared without mechanical homogenization is described. These self-emulsifying compositions are prepared using one or two surfactants. This provides the advantage of a low weight ratio of emulsifying component to oil component and fewer chemical toxicity concerns, resulting in comfort and safety advantages over emulsions employing more than two emulsifiers. Consequently, the self-mulsifying compositions described are ideally suited for ophthalmic applications including administration of therapeutics to the eye. Self-emulsifying compositions prepared by the disclosed method are described.

WO 2004/082625 A2