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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
19 December 2013 (19.12.2013)

WIPO | PCT

(10) International Publication Number
WO 2013/188217 A1

(51) **International Patent Classification**:
A61K 9/08 (2006.01) *A61K 47/30* (2006.01)
A61K 31/495 (2006.01) *A61P 27/02* (2006.01)

(21) **International Application Number**:
PCT/US2013/044617

(22) **International Filing Date**:
6 June 2013 (06.06.2013)

(25) **Filing Language**: English

(26) **Publication Language**: English

(30) **Priority Data**:
61/658,304 11 June 2012 (11.06.2012) US

(71) **Applicant**: **MACUCLEAR, INC.** [US/US]; 2300 Mcdermott Road, Suite 200-147, Plano, TX 75025 (US).

(72) **Inventors**: **LEWIS, Pamela, A.**; 32 Fm 3351 North, Bergheim, TX 78004 (US). **WOLLER, William, H.**; 3314 Yorktown Drive, San Antonio, TX 78230 (US).

(74) **Agents**: **MOHONEY, Jacqueline, F.** et al.; Mcdermott Will & Emery LLP, 500 North Capitol Street NW, Washington, DC 20001 (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, 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, JP, KE, KG, 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, KM, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report (Art. 21(3))*

WO 2013/188217 A1

(54) **Title**: THERAPEUTIC FORMULATION AND METHODS OF TREATMENT

(57) **Abstract**: The present disclosure relates pharmaceutical formulations comprising hydralazine in the treatment of eye diseases and conditions with the formulations. The present disclosure also related to methods of preparing the pharmaceutical formulations.