

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

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
12 April 2012 (12.04.2012)

(10) International Publication Number
WO 2012/047966 A2

PCT

(51) International Patent Classification:
A61K 31/426 (2006.01)

(21) International Application Number:
PCT/US2011/054873

(22) International Filing Date:
5 October 2011 (05.10.2011)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/390,899 7 October 2010 (07.10.2010) US

(71) Applicant (for all designated States except US): **AKE-
BIA THERAPEUTICS INC.** [US/US]; 9987 Carver
Road, Suite 420, Cincinnati, OH 45242 (US).

(72) Inventor; and

(71) Applicant (for all designated States except US): **PE-
TERS, Kevin, G.** [US/US]; 6100 Miami Road, Cincin-
nati, OH 45243 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **SHALWITZ, Robert**
[US/US]; 2549 Bryden Road, Bexley, OH 43209 (US).

(74) Agents: **ECHLER, Richard S.** et al.; 118 Highlands
Drive, Woodstock, GA 30188 (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, 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:

— without international search report and to be republished
upon receipt of that report (Rule 48.2(g))

(54) Title: COMPOSITIONS AND METHODS FOR TREATING OCULAR EDEMA, NEOVASCULARIZATION AND RE-
LATED DISEASES

(57) Abstract: Disclosed are methods for the treatment of diseases or conditions of the eye, especially retinopathies, ocular edema and ocular neovascularization. Non-limiting examples of these diseases or conditions include diabetic macular edema, age-related macular degeneration (wet form), choroidal neovascularization, diabetic retinopathy, retinal vein occlusion (central or branch), ocular trauma, surgery induced edema, surgery induced neovascularization, cystoid macular edema, ocular ischemia, uveitis, and the like.



WO 2012/047966 A2