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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
7 June 2012 (07.06.2012)

WIPO | PCT

(10) International Publication Number
WO 2012/075422 A2

(51) International Patent Classification:
A61K 39/395 (2006.01)

(21) International Application Number:
PCT/US2011/063121

(22) International Filing Date:
2 December 2011 (02.12.2011)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/419,060 2 December 2010 (02.12.2010) US
61/548,542 18 October 2011 (18.10.2011) US

(71) Applicant *(for all designated States except US)*: **THE WASHINGTON UNIVERSITY** [US/US]; One Brookings Drive, St. Louis, Missouri 63130 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **HOLTZMAN, David** [US/US]; One Brookings Drive, St. Louis, Missouri 63130 (US). **KIM, Jungsu** [KR/US]; One Brookings Drive, St. Louis, Missouri 63130 (US). **JIANG, Hong** [US/US]; One Brookings Drive, St. Louis, Missouri 63130 (US).

(74) Agents: **RILEY-VARGAS, Rebecca** et al.; Polsinelli Shughart PC, Mark Twain Plaza III, 105 West Vandalia, Suite 400, Edwardsville, IL 62025 (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))*

— *with sequence listing part of description (Rule 5.2(a))*

WO 2012/075422 A2

(54) Title: COMPOSITIONS AND METHODS FOR TREATING AMYLOID PLAQUE ASSOCIATED SYMPTOMS

(57) Abstract: The present invention encompasses compositions and methods for effectively treating at least one symptom or sign of A plaque associated symptoms or for decreasing amyloid plaque loads. The method comprises administering an effective amount of an anti-ApoE antibody to a living mammalian biosystem such as to a human.