



(43) International Publication Date
17 September 2009 (17.09.2009)

PCT

(10) International Publication Number
WO 2009/114597 A1

(51) International Patent Classification:

A61K 38/17 (2006.01) A61P 9/00 (2006.01)
A61K 45/06 (2006.01) A61P 21/00 (2006.01)
A61P 3/14 (2006.01) A61P 25/00 (2006.01)

(21) International Application Number:

PCT/US2009/036767

(22) International Filing Date:

11 March 2009 (11.03.2009)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/035,443 11 March 2008 (11.03.2008) US

(71) Applicant (for all designated States except US): **QUINCY BIOSCIENCE, LLC** [US/US]; 455 Science Drive, Suite 120, Madison, WI 53711 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **UNDERWOOD, Mark, Y.** [US/US]; 1734 West Edward Lane, Glendale, WI 53209 (US).

(74) Agent: **LEECK, Charles, L.**; Quarles & Brady LLP, 411 E. Wisconsin Ave., Milwaukee, WI 53202 (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))

(54) Title: APOAEQUORIN-CONTAINING COMPOSITIONS AND METHODS OF USING SAME

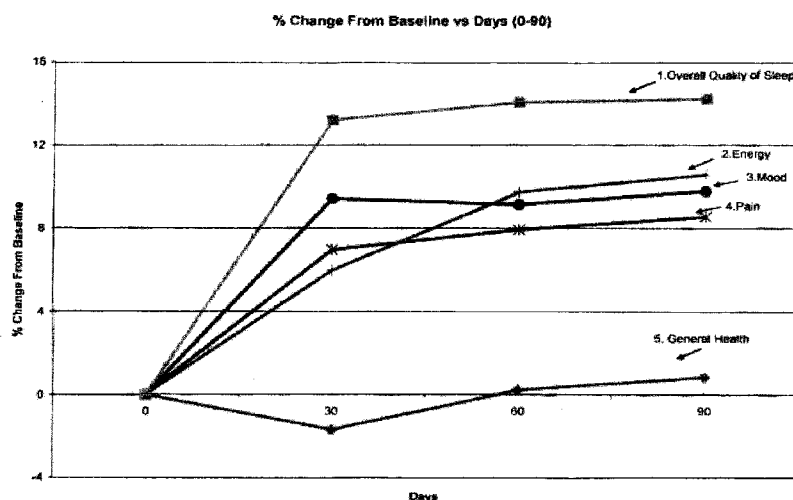


Fig. 1

(57) Abstract: Compositions containing apoaeguorin and methods for their use in treating symptoms and disorders related to calcium imbalances associated with, for example, sleep quality, energy quality, mood quality, memory quality or pain are provided by the present invention.