

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

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
26 January 2012 (26.01.2012)

(10) International Publication Number
WO 2012/012513 A1

PCT

(51) International Patent Classification:

A61K 36/886 (2006.01) *A61P 31/18* (2006.01)
A61K 31/715 (2006.01)

(21) International Application Number:

PCT/US2011/044652

(22) International Filing Date:

20 July 2011 (20.07.2011)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/367,358 23 July 2010 (23.07.2010) US

(71) Applicant (for all designated States except US): **NORTH TEXAS MEDICAL ASSOCIATES** [US/US]; 222 SW 2nd Street, Suite 201, Grand Prairie, Texas 75051 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **DANHOF, Ivan, E.** [US/US]; 2322 Ingleside Drive, Grand Prairie, Texas 75050 (US).

(74) Agent: **FLORES, Edwin, S.**; Chalker Flores, LLP, 14951 North Dallas Parkway, Suite 400, Dallas, Texas 75254 (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, RO, RS, RU, 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, 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:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

(54) Title: ANTI-VIRAL PROPERTIES OF ALOE VERA AND ACQUIRED IMMUNE DEFICIENCY SYNDROME (AIDS) TREATMENT

(57) Abstract: A pharmaceutical composition comprising a combination of formulations derived from Aloe vera for the treatment of Acquired Immune Deficiency Syndrome (AIDS) or HIV infection is described herein. The composition comprises: (i) an injectable sterile polymannan extract, (ii) Raidox (aloe anthraquinones and their diacetyl derivatives), and (iii) a freeze dried aloe vera powder, aloe vera juice, aloe gel or a combination. In addition one or more nutritional supplements comprising fatty acids, proteins, minerals and metals, vitamins, salts, amino acids, and other pharmaceutically acceptable excipients may also be included to counteract the chronic diarrhea, digestive upsets, and weight loss seen in some patients before and during the treatment course. A method for treating the AIDS or HIV infection using the composition of the present invention is also disclosed.



WO 2012/012513 A1