PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7 : A61K 35/78	A1	(11) International Publication Number: WO 00/59522
		(43) International Publication Date: 12 October 2000 (12.10.00)

(21) International Application Number: PCT/US00/08957

(22) International Filing Date: 4 April 2000 (04.04.00)

(30) Priority Data:
60/127,824 5 April 1999 (05.04.99) US

(71)(72) Applicant and Inventor: ZIEGLER, Randy, H. [US/US]; 3499 Wimbledon Way, Costa Mesa, CA 92626 (US).

(74) Agents: KIRCHANSKI, Stefan, J. et al.; Hogan & Hartson L.L.P., Biltmore Tower, Suite 1900, 500 South Grand Avenue, Los Angeles, CA 90071 (US).

(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published
With international search report.
Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

(54) Title: COMPOSITIONS AND METHODS FOR TREATMENT OF DIABETES

(57) Abstract

Extracted products from *Brickellia californica* and isolated flavonoids, including apigenin, luteolin, quercetin and dihydroxykaemferol, purified from *Brickellia californica* are useful for the treatment of diabetes. The extracted products and purified flavonoids may be used alternatively in the treatment of both insulin dependent and non–insulin dependent diabetes because these materials result in significant lowering of blood sugar.