

**PCT**WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : A61K 35/78	A1	(11) International Publication Number: WO 97/10834 (43) International Publication Date: 27 March 1997 (27.03.97)
<p>(21) International Application Number: PCT/US96/05736</p> <p>(22) International Filing Date: 24 April 1996 (24.04.96)</p> <p>(30) Priority Data: 08/532,060 22 September 1995 (22.09.95) US</p> <p>(71) Applicant: CARRINGTON LABORATORIES, INC. (US/US); 2001 Walnut Hill Lane, Irving, TX 75038 (US).</p> <p>(72) Inventors: SHAND, David, G.; 1205 Travis Circle, Irving, TX 75038 (US). YATES, Kenneth; 2413 Nottingham, Grand Prairie, TX 75050 (US). MOORE, D., Eric; 832 Teakwood Place, Richardson, TX 75080 (US). MCANALLEY, Bill, H.; 4921 Corn Valley, Grand Prairie, TX 75052 (US). RODRIGUEZ, Santiago; Suite SJ02632, 1601 Northwest 97th Avenue, Unit C-101, Miami, FL 33102 (US).</p> <p>(74) Agent: CHWANG, T., Ling; Hitt Chwang & Gaines, P.C., 225 University Plaza, 275 West Campbell Road, Richardson, TX 75080 (US).</p>	<p>(81) Designated States: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).</p> <p>Published <i>With international search report.</i></p>	
<p>(54) Title: BIOACTIVE FACTORS OF ALOE VERA PLANTS</p> <p>(57) Abstract</p> <p>A bioactive Factor produced, separated and isolated from either an aloe vera leaf or a product derived and processed from an aloe leaf, such as raw aloe vera gel, freeze-dried aloe vera gel extract, bulk acetylated mannan and bulk pharmaceutical mannan, utilizing different sizing processes, their processes or preparations, and their uses. The process of sizing can be accomplished by centrifugation, filtration, ultrafiltration, chromatography, dialysis, selective precipitation, pH adjustment, irradiation, homogenizing, or a combination of such processes. Compounding or mixing two or more different bioactive Factors from aloe at various concentration ratios, each Factor with its own specific bioactivity or bioactivities, to obtain a new bioactive Factor having desired optimal additive or synergistic effects.</p>		