

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
27 September 2001 (27.09.2001)

PCT

(10) International Publication Number
WO 01/70279 A1

(51) International Patent Classification⁷: **A61L 2/08**

[—/US]; 3512 Radcliffe, Thousand Oaks, CA 91360 (US).
HORTON, Edward, A. [CA/CA]; 100 Lawton Boulevard,
Toronto, Ontario M4V 2A3 (CA).

(21) International Application Number: PCT/US01/09361

(22) International Filing Date: 23 March 2001 (23.03.2001)

(74) Agents: **OLIFF, James, A.** et al.; Oliff & Berridge, PLC,
P.O. Box 19928, Alexandria, VA 22320 (US).

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
09/533,547 23 March 2000 (23.03.2000) US

(63) Related by continuation (CON) or continuation-in-part
(CIP) to earlier application:

US Not furnished (CIP)
Filed on Not furnished

(71) Applicant (for all designated States except US): **CLEAR-
ANT, INC.** [US/US]; Suite 650, 11111 Santa Monica
Boulevard, Los Angeles, CA 90025 (US).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, 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,
MZ, 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.

(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, 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, TR), OAPI patent (BF, BJ, CF,
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

Published:

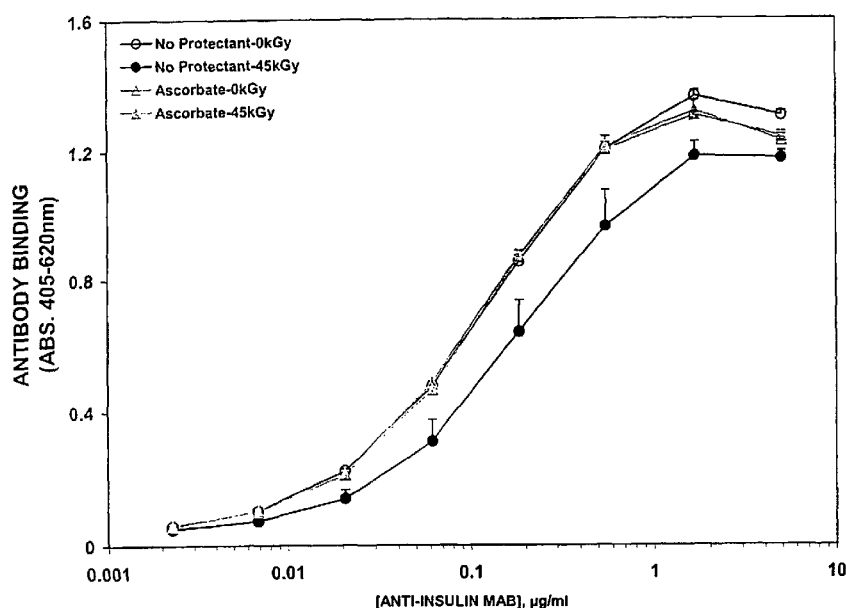
(75) Inventors/Applicants (for US only): **KENT, Randall, S.**

— with international search report

[Continued on next page]

(54) Title: METHODS FOR STERILIZING BIOLOGICAL MATERIALS

020101alm 048 Effect of Gamma Irradiation on Freeze-Dried Anti-Insulin Mab
in presence of Various Protectants (plate 1)



(57) Abstract: Methods are disclosed for sterilizing biological products to reduce the level of active biological contaminants such as viruses, bacteria, yeasts, molds, mycoplasmas and parasites.



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.