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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
30 September 2004 (30.09.2004)

PCT

(10) International Publication Number
WO 2004/083244 A3

(51) International Patent Classification[7]: C07K 14/705, A61K 38/17, 48/00

(21) International Application Number: PCT/US2004/008574

(22) International Filing Date: 19 March 2004 (19.03.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/456,378 19 March 2003 (19.03.2003) US

(71) Applicant *(for all designated States except US)*: **ISOGENIS, INC.** [US/US]; 1899 Gaylord Street, Denver, CO 80206 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **QI, Yan** [US/US]; 421 East Bexley Lane, Highlands Ranch, CO 80126 (US). **ZHANG, Xianghua** [US/US]; 19409 East Girton Place, Aurora, CO 80013 (US). **KONIGSBERG, Paula, J.** [US/US]; 2658 Steele Street, Denver, CO 80205 (US).

(74) Agents: **LORENZ, Todd, A.** et al.; DORSEY & WHITNEY LLP, 4 Embarcadero Center, Suite 3400, San Francisco, CA 94111 (US).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, 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, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

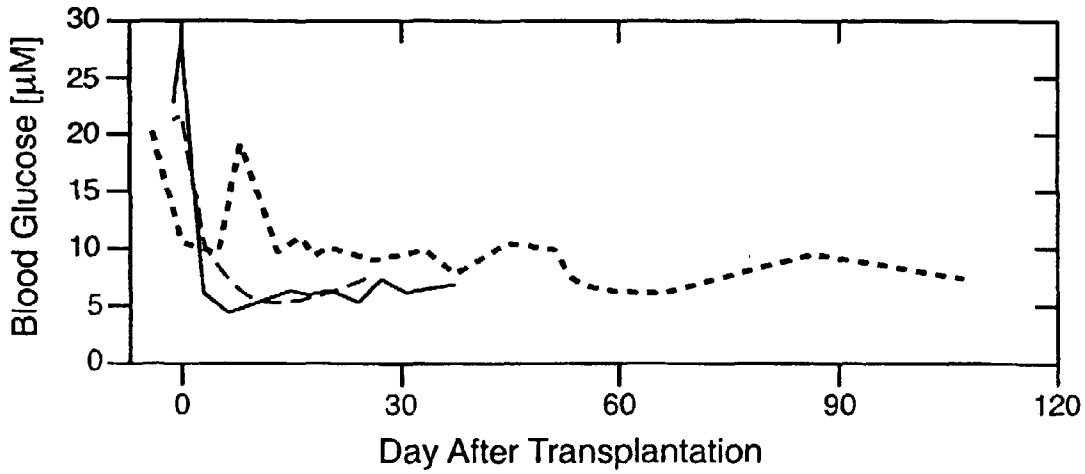
(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, 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*
— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report: 4 November 2004

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.

(54) Title: SPECIFIC INHIBITION OF ALLOGRAFT REJECTION



(57) Abstract: The present invention provides methods and compositions for specifically inhibiting both cellular and humoral immune responses to alloantigen, thereby finding use in extending the survival of transplant allografts and treating graft versus host disease in transplant recipients.

WO 2004/083244 A3