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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
2 August 2007 (02.08.2007)

PCT

(10) International Publication Number
WO 2007/087524 A3

(51) International Patent Classification:
A61K 31/66 (2006.01) *A61P 11/00* (2006.01)
A61K 38/17 (2006.01)

(21) International Application Number:
PCT/US2007/060902

(22) International Filing Date: 23 January 2007 (23.01.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/761,250 23 January 2006 (23.01.2006) US
PCT/US2006/02423
23 January 2006 (23.01.2006) US

(71) Applicant *(for all designated States except US)*: **ONY, INC.** [US/US]; 1576 Sweet Home Road, Amherst, NY 14228 (US).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **EGAN, Edmund, A.** [US/US]; 1 Cloister Court, Buffalo, NY 14226 (US). **HOLM, Bruce** [US/US]; 3024 East Avenue, Buffalo, NY 14610 (US).

(74) Agent: **SCHEINMAN, Andrew, O.**; Jaeckle Fleschmann & Mugel, LLP, 190 Linden Oaks, Rochester, NY 14625-2812 (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, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, 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, LS, MW, MZ, NA, 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, IS, IT, LT, LU, LV, 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:
18 October 2007

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: TREATMENT OF ACUTE RESPIRATORY DISTRESS SYNDROME

(57) Abstract: Patients suffering from acute respiratory distress syndrome or acute lung injury are treated by administering to the patients a therapeutically effective dosage of a surfactant that includes SP-B and phospholipid at a concentration of SP-B relative to concentration of phospholipid that is sufficient to produce detectable SP-B dependent activity.

WO 2007/087524 A3