

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
6 December 2007 (06.12.2007)

PCT

(10) International Publication Number
WO 2007/139924 A2

(51) International Patent Classification:
C12P 7/00 (2006.01)

(21) International Application Number:
PCT/US2007/012467

(22) International Filing Date: 25 May 2007 (25.05.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/808,989 26 May 2006 (26.05.2006) US
60/808,666 26 May 2006 (26.05.2006) US
60/870,592 18 December 2006 (18.12.2006) US
60/922,782 10 April 2007 (10.04.2007) US

(71) Applicant (*for all designated States except US*): **AMYRIS BIOTECHNOLOGIES, INC.** [US/US]; 5980 Horton Street, Suite 450, Emeryville, CA 94608 (US).

(72) Inventor; and

(75) Inventor/Applicant (*for US only*): **RENNINGER, Neil, Stephen** [US/US]; 4058 Lyman Road, Oakland, CA 94602 (US).

(74) Agents: **INSOGNA, Anthony, M.** et al.; Jones Day, 222 East 41st Street, New York, NY 10017-6702 (US).

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, 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, LY, MA, MD, ME, 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.

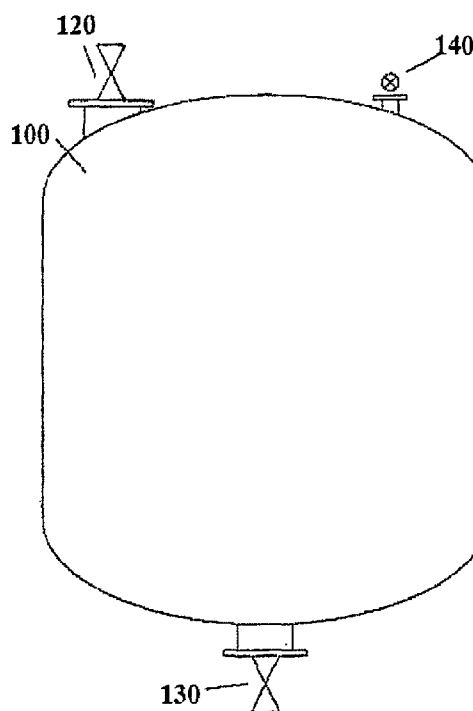
(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, 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:

— without international search report and to be republished upon receipt of that report

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: APPARATUS FOR MAKING BIO-ORGANIC COMPOUNDS



(57) Abstract: A system and method for producing bio-organic compounds may include a vessel, a first phase comprising an aqueous medium including host cells capable of producing a bio-organic compound, where the bio-organic compound comprises a second phase in contact with the aqueous medium.

WO 2007/139924 A2