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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
7 January 2010 (07.01.2010)

PCT

(10) International Publication Number
WO 2010/003007 A3

(51) International Patent Classification:
C12N 1/20 (2006.01) *C12P 5/02* (2006.01)
C12N 15/63 (2006.01)

(21) International Application Number:
PCT/US2009/049429

(22) International Filing Date:
1 July 2009 (01.07.2009)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

61/134,094	2 July 2008 (02.07.2008)	US
61/134,011	2 July 2008 (02.07.2008)	US
61/133,947	2 July 2008 (02.07.2008)	US

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(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, 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, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, 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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

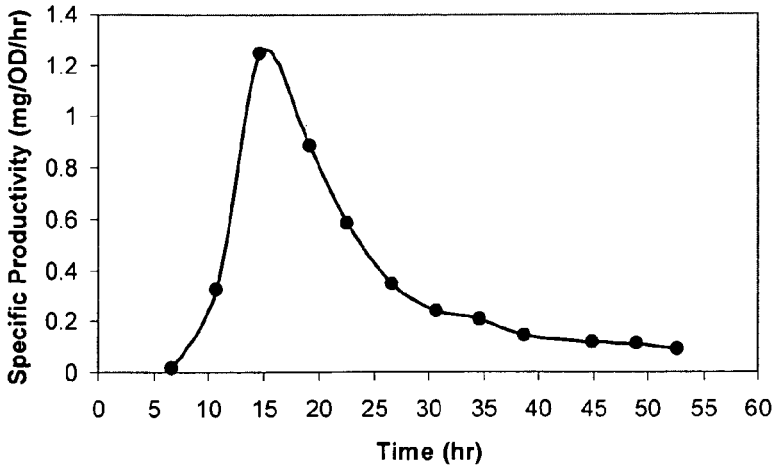
— *with international search report (Art. 21(3))*

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

[Continued on next page]

(54) Title: COMPOSITIONS AND METHODS FOR PRODUCING ISOPRENE FREE OF C5 HYDROCARBONS UNDER DECOUPLING CONDITIONS AND/OR SAFE OPERATING RANGES

Figure 111C



(57) Abstract: The invention features methods for producing isoprene from cultured cells wherein the cells in the stationary phase. The invention also provides compositions that include these cultured cells and/or increased amount of isoprene. The invention also provides for systems that include a non-flammable concentration of isoprene in the gas phase. Additionally, the invention provides isoprene compositions, such as compositions with increased amount of isoprene or increased purity.

WO 2010/003007 A3

(88) Date of publication of the international search report:
20 May 2010