



- (51) **International Patent Classification:**
C12P 7/10 (2006.01) *C12P 19/14* (2006.01)
- (21) **International Application Number:**
PCT/US2012/071091
- (22) **International Filing Date:**
20 December 2012 (20.12.2012)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
61/579,550 22 December 2011 (22.12.2011) US
61/579,562 22 December 2011 (22.12.2011) US
- (71) **Applicant:** XYLECO, INC. [US/US]; 271 Salem St., Unit L, Woburn, Massachusetts 01801 (US).
- (72) **Inventors:** MEDOFF, Marshall; 271 Salem St., Unit L, Woburn, Massachusetts 01801 (US). MASTERMAN, Thomas; 271 Salem St., Unit L, Woburn, Massachusetts 01801 (US). YOSHIDA, Akihiro; 271 Salem St., Unit L, Woburn, Massachusetts 01801 (US). MOON YEE FUNG, Jennifer; 271 Salem St., Unit L, Woburn, Massachusetts 01801 (US). LYNCH, James; 271 Salem St., Unit L, Woburn, Massachusetts 01801 (US).
- (74) **Agent:** LEBER, Celia; Xyleco Inc., 271 Salem Street, Unit E, Woburn, MA 01801 (US).
- (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, BN, 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, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

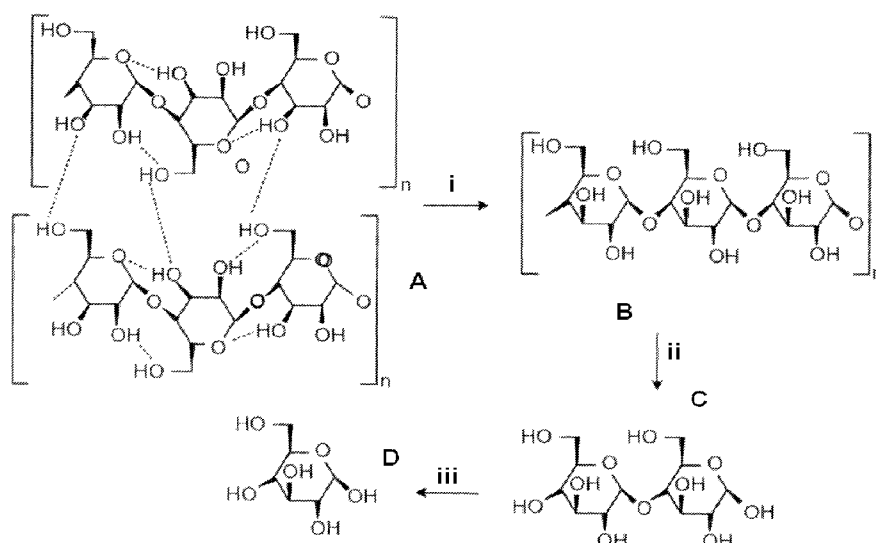
- (84) **Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

Published:

- with international search report (Art. 21(3))

(54) **Title:** PROCESSING OF BIOMASS MATERIALS

- (57) **Abstract:** Provided are methods of inducing enzymes, and for treating cellulosic and lignocellulosic biomass with the enzyme.