



- (51) International Patent Classification:  
C12P 19/12 (2006.01)
- (21) International Application Number:  
PCT/US2013/030980
- (22) International Filing Date:  
13 March 2013 (13.03.2013)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
61/618,533 30 March 2012 (30.03.2012) US
- (71) Applicant: DANISCO US INC. [US/US]; 925 Page Mill Road, Palo Alto, CA 94304 (US).
- (72) Inventors: BLAKE, Collette Michelle; 925 Page Mill Road, Palo Alto, CA 94303-1013 (US). DUAN, Gang; 925 Page Mill Road, Palo Alto, CA 94304-1013 (US). KO, Douglas; 925 Page Mill Road, Palo Alto, CA 94304 (US). KOOY, Floor K.; 925 Page Mill Road, Palo Alto, CA 94304 (US). LEE, Sung, Ho; 925 Page Mill Road,

Palo Alto, CA 94304-1013 (US). PEPSIN, Michael J.; 925 Page Mill Road, Palo Alto, CA 94304 (US). QIAN, Ying; 925 Page Mill Road, Palo Alto, CA 94304 (US). REBOLI, Matthew T.; 925 Page Mill Road, Palo Alto, CA 94304 (US). SHARMA, Vivek; 925 Page Mill Road, Palo Alto, CA 94304-1013 (US). SHETTY, Jayarama, K.; 935 Page Mill Road, Palo Alto, CA 94304-1013 (US). STROHM, Bruce, A.; 925 Page Mill Road, Palo Alto, CA 94304-1013 (US). TEUNISSEN, Paula Johanna, Maria; 925 Page Mill Road, Palo Alto, CA 94304-1013 (US). XU, Hongxian; 925 Page Mill Road, Palo Alto, CA 94303-1013 (US).

(74) Agents: FINN, Andrew, K. et al.; Danisco US Inc., 925 Page Mill Road, Palo Alto, CA 94304 (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,

[Continued on next page]

(54) Title: METHODS OF MAKING FERMENTABLE SUGAR

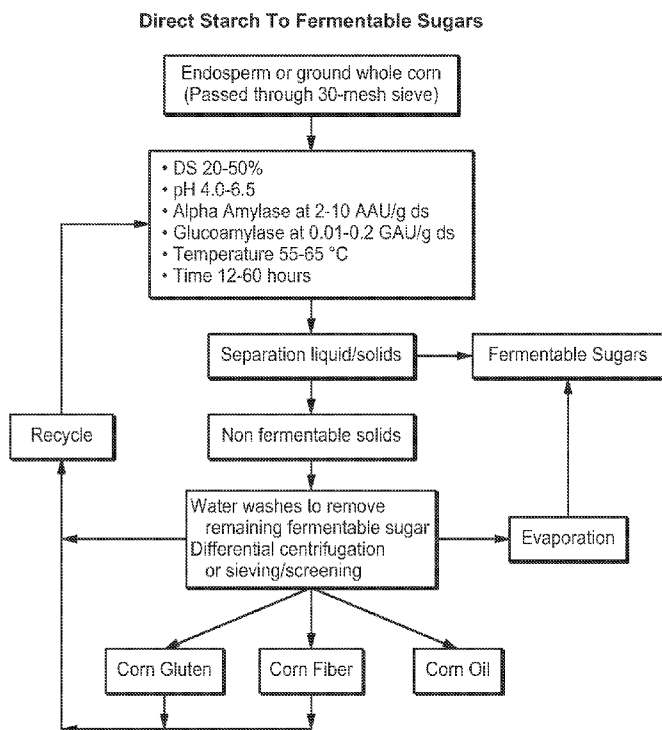


FIG. 1

(57) Abstract: Provided herein are compositions and methods related to the direct conversion of the starch in a ground or fractionated grain into a fermentable sugar feedstock capable of serving as a carbon source for the industrial production of one or more products by a fermenting organism. Such conversions may be performed at temperatures at or below the initial gelatinization temperature of the starch present in the grain and may utilize one or more isolatable endogenous enzymes present in certain unrefined grains.

WO 2013/148207 A3



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).

**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))

**(88) Date of publication of the international search report:**

17 April 2014

**INTERNATIONAL SEARCH REPORT**

International application No  
PCT/US2013/030980

**A. CLASSIFICATION OF SUBJECT MATTER**  
 INV. C12P19/12  
 ADD.  
 According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**  
 Minimum documentation searched (classification system followed by classification symbols)  
 C12P  
 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
 EPO-Internal, BIOSIS, CHEM ABS Data, EMBASE, PAJ, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category* | Citation of document, with indication, where appropriate, of the relevant passages                                                | Relevant to claim No. |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| X         | WO 2008/112282 A1 (DANISCO US INC GENENCOR DIV [US]) 18 September 2008 (2008-09-18) claims 18-21; figure 6; examples 1-3<br>----- | 1-73                  |

Further documents are listed in the continuation of Box C.

See patent family annex.

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Date of the actual completion of the international search

3 February 2014

Date of mailing of the international search report

18/02/2014

Name and mailing address of the ISA/  
 European Patent Office, P.B. 5818 Patentlaan 2  
 NL - 2280 HV Rijswijk  
 Tel. (+31-70) 340-2040,  
 Fax: (+31-70) 340-3016

Authorized officer  
 Van Bohemen, Charles

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2013/030980

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