

(12) International Application Status Report

Received at International Bureau: 15 October 2018 (15.10.2018)

Information valid as of: 09 April 2019 (09.04.2019)

Report generated on: 22 August 2019 (22.08.2019)

(10) Publication number:

WO2019/067624

(43) Publication date:

04 April 2019 (04.04.2019)

(26) Publication language:

English (EN)

(21) Application Number:

PCT/US2018/052966

(22) Filing Date:

26 September 2018 (26.09.2018)

(25) Filing language:

English (EN)

(31) Priority number(s):

62/563,212 (US)

(31) Priority date(s):

26 September 2017 (26.09.2017)

(31) Priority status:

Priority document received (in compliance with PCT Rule 17.1)

(51) International Patent Classification:

C07H 1/08 (2006.01); *C07H 3/02* (2006.01); *C08H 8/00* (2010.01); *C12P 19/02* (2006.01)

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(54) Title (EN): PROCESS FOR HYDROLYSIS OF OLIGOSACCHARIDES

(54) Title (FR): PROCÉDÉ D'HYDROLYSE D'OLIGOSACCHARIDES

(57) Abstract:

(EN): Provided is a method comprising (a) providing a hydrolysis composition of at least 20 wt% of sugar equivalents, wherein the hydrolysis composition comprises a first oligosaccharide, water, optionally a soluble aromatic compound, (b) contacting the hydrolysis composition with a catalyst in a first reactor to hydrolyze at least a portion of the first oligosaccharide to form a first product composition comprising a first monosaccharide and a second oligosaccharide, (c) separating the first monosaccharide from the first product composition to form a second product composition comprising the second oligosaccharide, wherein at least a portion of the second oligosaccharide is a reversion sugar, and (d) converting via a further hydrolysis step at least a portion of the second oligosaccharide to form a third product composition comprising a second monosaccharide.

(FR): L'invention concerne un procédé comprenant les étapes consistant (a) à fournir une composition d'hydrolyse d'au moins 20 % en poids d'équivalents de sucre, la composition d'hydrolyse comprenant un premier oligosaccharide, de l'eau, éventuellement un composé aromatique soluble, (b) à mettre en contact la composition d'hydrolyse avec un catalyseur dans un premier réacteur en vue d'hydrolyser au moins une partie du premier oligosaccharide en vue de former une première composition de produit comprenant un premier monosaccharide et un deuxième oligosaccharide, (c) à séparer le premier monosaccharide de la première composition de produit en vue de former une deuxième composition de produit comprenant le deuxième oligosaccharide, au moins une partie du deuxième oligosaccharide étant un sucre de réversion et (d) à convertir, par l'intermédiaire d'une étape d'hydrolyse supplémentaire, au moins une partie du deuxième oligosaccharide en vue de former une troisième composition de produit comprenant un deuxième monosaccharide.

International search report:

Received at International Bureau: 14 December 2018 (14.12.2018) [US]

International Report on Patentability (IPRP) Chapter II of the PCT:

Not available

(81) Designated States:

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, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, 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, SA, 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

European Patent Office (EPO) : 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

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Eurasian Patent Organization (EAPO) : AM, AZ, BY, KG, KZ, RU, TJ, TM

Declarations:

Declaration made as applicant's entitlement, as at the international filing date, to apply for and be granted a patent (Rules 4.17(ii) and 51bis.1(a)(ii)), in a case where the declaration under Rule 4.17(iv) is not appropriate