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(54) Title: PROCESS FOR TREATING BIOMASS TO DERIVATIZE POLYSACCHARIDES CONTAINED THEREIN TO INCREASE THEIR ACCESSIBILITY TO HYDROLYSIS AND SUBSEQUENT FERMENTATION

(57) Abstract: A process is described for producing fermentable sugars derivable from biomass that contains polysaccharide, such as cellulose, made increasingly accessible as a substrate for enzymatic degradation or other methods of depolymerization. These fermentable sugars are subsequently able to be fermented to produce various target chemicals, such as alcohols, aldehydes, ketones or acids.



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INTERNATIONAL SEARCH REPORT

International application No
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A. CLASSIFICATION OF SUBJECT MATTER
 INV. C12P7/06 C12P7/10 C12P19/02
 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 practical, search terms used)
 EPO-Internal, CHEM ABS Data, EMBASE, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	ZHAO YULIN ET AL: "Enhanced enzymatic hydrolysis of spruce by alkaline pretreatment at low temperature", BIOTECHNOLOGY AND BIOENGINEERING, WILEY & SONS, HOBOKEN, NJ, US LNKD-DOI:10.1002/BIT.21712, vol. 99, no. 6, 15 April 2008 (2008-04-15), pages 1320-1328, XP002542738, ISSN: 0006-3592 [retrieved on 2007-11-19] cited in the application * abstract	1-55

Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed	*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *8* document member of the same patent family
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Date of the actual completion of the international search	Date of mailing of the international search report
7 December 2010	28/12/2010

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 Siatou, Evangelia
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International application No

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A	WO 00/47628 A2 (HERCULES INC [US]) 17 August 2000 (2000-08-17) the whole document & US 6 602 994 B1 (CASH MARY JEAN [US] ET AL) 5 August 2003 (2003-08-05)	1-55

INTERNATIONAL SEARCH REPORT

Information on patent family members

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