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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: ENHANCED CELLULOSE EXPRESSION IN *S. DEGRADANS*

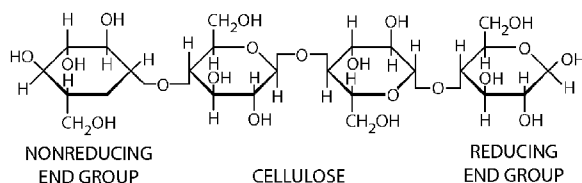


Fig. 1A

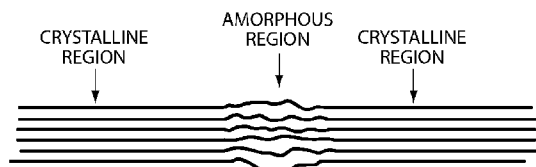


Fig. 1B

(57) Abstract: The invention provides organisms and methods of using and making organisms with enhanced cellulase expression.

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— *with sequence listing part of description (Rule 5.2(a))*

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2010/030075**A. CLASSIFICATION OF SUBJECT MATTER***C12N 15/56(2006.01)i, C12N 15/63(2006.01)i, C12N 1/21(2006.01)i, C12N 9/42(2006.01)i*

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)

C12N 15/56; C12P 7/10

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: cel5A, cel5G, cel5H, cel5J, cellobiose, saccharophagus degradans, promoter

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	LARRY E. TAYLOR II et al. Complete Cellulase System in the Marine Bacterium Saccharophagus degradans Strain 2-40T. JOURNAL OF BACTERIOLOGY. 2006, vol. 188, no. 11, pp. 3849-3861 See the whole document, especially, abstract, pp. 3852-3854, TABLE 3, FIGs. 1, 2, 4	1-7
X	US 2007-0292929 A1 (RONALD M. WEINER et al.) 20 December 2007 See the whole document, especially, abstract, claims 1-20	1-7
A	FLAVIA F. EVANS et al. Ecology of type II secretion in marine gammaproteobacteria. Environmental Microbiology. 2008, vol. 10, no. 5, pp. 1101-1107 See the whole document	1-7
A	ANTHONY W. BLAKE et al. Understanding the Biological Rationale for the Diversity of Cellulose-directed Carbohydrate-binding Modules in Prokaryotic Enzymes. THE JOURNAL OF BIOLOGICAL CHEMISTRY. 2006, vol. 281, no. 39, pp. 29321-29329 See the whole document	1-7

 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 application or patent but published on or after the international filing date

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"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

"&" document member of the same patent family

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INTERNATIONAL SEARCH REPORT

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.
A	KEN-ICHI AKAGI et al. Identification of the Substrate Interaction Region of the Chitin-Binding Domain of Streptomyces griseus Chitinase C. J. Biochem. 2006, vol. 139, no. 3, pp. 483-493 See the whole document	1-7

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2010/030075

Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of :

a. a sequence listing filed or furnished

- on paper
 in electronic form

b. time of filing or furnishing

- contained in the international application as filed
 filed together with the international application in electronic form
 furnished subsequently to this Authority for the purposes of search

2. In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

3. Additional comments:

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2010/030075

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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		WO 2008-033330 A3	20.03.2008