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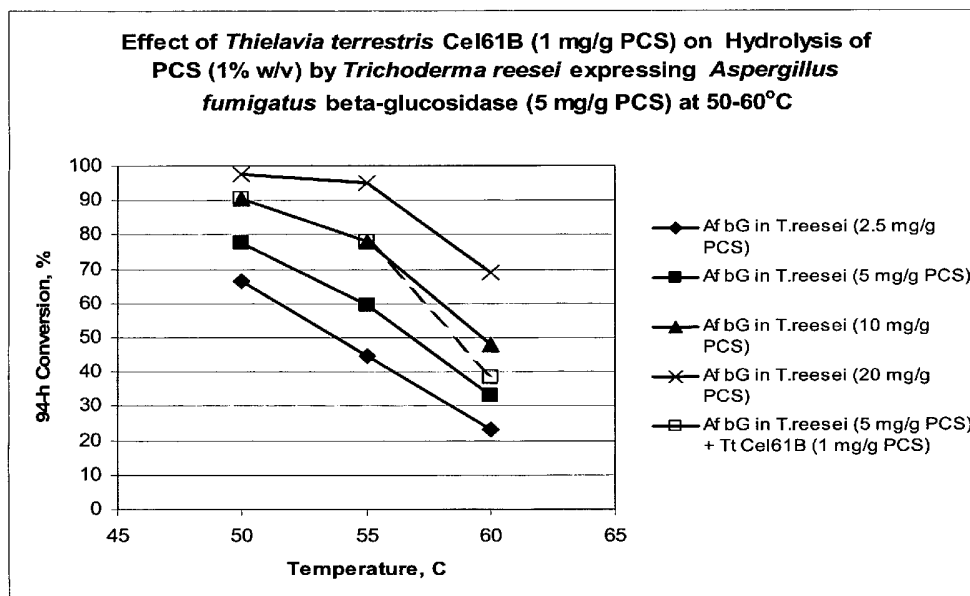
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[Continued on next page]

(54) Title: POLYPEPTIDES HAVING CELLULOLYTIC ENHANCING ACTIVITY AND POLYNUCLEOTIDES ENCODING SAME



(57) Abstract: The present invention relates to isolated polypeptides having cellulolytic enhancing activity and isolated polynucleotides encoding the polypeptides. The invention also relates to nucleic acid constructs, vectors, and host cells comprising the polynucleotides as well as methods for producing and using the polypeptides.



- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*
- *with (an) indication(s) in relation to deposited biological material furnished under Rule 13bis separately from the description*

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/03525

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C07K 14/37; C12N 9/42; D21C 1/00

US CL : 530/324, 350, 371; 435/209, 277

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)

U.S. : 530/324, 350, 371; 435/209, 277

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)

PROTEIN SEQUENCE DATABASES: USPAT, USPGPUB, GENESEQ, PIR, UNIPROT, STN

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 99/06423 A1 (HUMAN GENOME SCIENCES, INC.) 11 February 1999 (11.02.1999), pp. 56-57 of the Sequence Listing, SEQ ID NO: 119, amino acids 81-100; and Result 1, Geneseq database search, performed on Nov. 3, 2005.	1-2
A	US 2002/0028449 A1 (RUBEN et al.) 07 March 2002 (07.03.2002), see pp. 16, paragraph 127, and 204-205, SEQ ID NO: 58, amino acids 131-138; and Result 6, Geneseq database search, performed on Nov. 3, 2005.	1-2
A	ALTENSCHMIDT et al. Evidence that enzymes of a novel aerobic 2-amino-benzoate metabolism in denitrifying Pseudomonas are coded on a small plasmid. Eur J Biochem. 1990, Vol. 194, pages 647-653, see page 652, bottom of the right col.; and Result 6, PIR database search, performed on Nov. 3, 2005.	2

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:		"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
"A"	document defining the general state of the art which is not considered to be of particular relevance	"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
"E"	earlier application or patent published on or after the international filing date	"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
"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)	"&"	document member of the same patent family
"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		

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/03525

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:
See Form PCT/ISA/206 mailed 02 September 2005.

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of any additional fees.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1 and 2.

- Remark on Protest
- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
 - ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
 - ☐ No protest accompanied the payment of additional search fees.