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520/MUM/2008 14 March 2008 (14.03.2008) IN(71) Applicant (for all designated States except US): **TATA CHEMICALS LTD.** [IN/IN]; Bombay House, 24 Homi Modi Street, Mumbai 400001 (IN).

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Declarations under Rule 4.17:

- as to the identity of the inventor (Rule 4.17(i))
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

[Continued on next page]

(54) Title: PRODUCTION OF HIGH PURITY GALACTOOLIGOSACCHARIDES

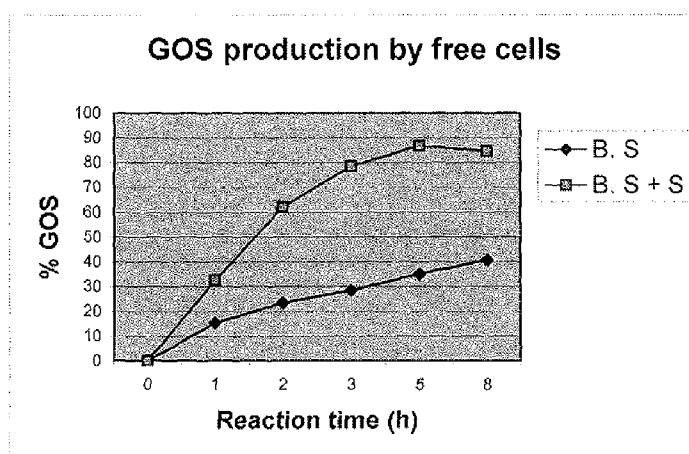


FIG. 2

(57) Abstract: The present invention deals with an improved process for the production of high yield of pure Galactooligosaccharides using microbial whole cells in a reactor with cross flow hollow fiber microfiltration system. The process is economical as cell biomass is used repeatedly and eliminated the need to carry out downstream processing for the removal of mono and disaccharides from the final product.



— *of inventorship (Rule 4.17(iv))*

Published:

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INTERNATIONAL SEARCH REPORT

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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, FSTA, BIOSIS, 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.
A	WO 2005/003329 A (CLASADO INC.) 13 January 2005 (2005-01-13) * See page 7, lines 14-20 *	1-14
A	WO 99/53088 A (DEVA PROCESSING SERVICES LTD.) 21 October 1999 (1999-10-21) * See page 5 *	1-14
A	ISHIKAWA ET AL: "Identification, cloning, and characterization of a Sporobolomyces singularis beta-galactosidase-like enzyme involved in galacto-oligosaccharide production" JOURNAL OF BIOSCIENCE AND BIOENGINEERING, vol. 99, 2005, pages 331-339, XP005665511 * See page 331 (S. singularis formerly called B. singularis) *	1-14
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Further documents are listed in the continuation of Box C.



See patent family annex.

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Z document member of the same patent family

Date of the actual completion of the international search

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Name and mailing address of the ISA/

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International application No

PCT/IB2009/051027

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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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

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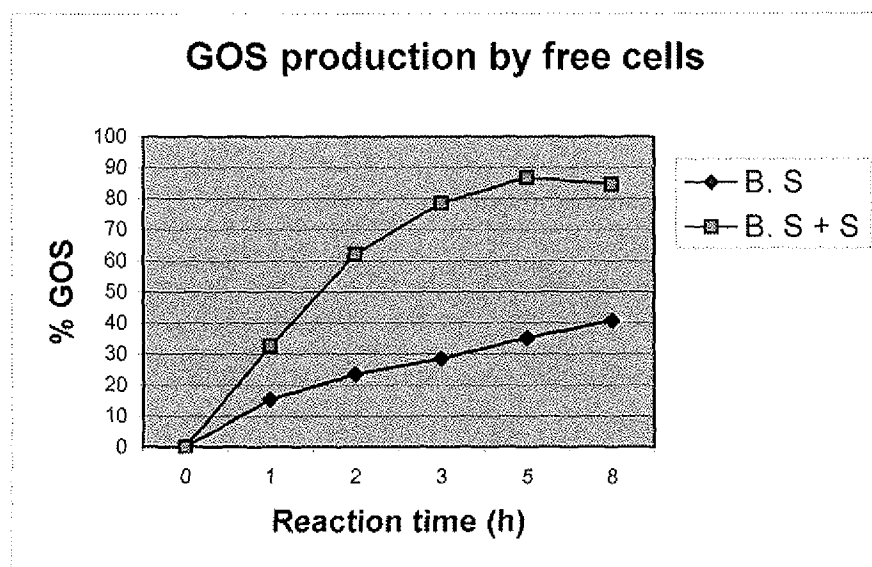


FIG. 2