



List of Patents

Sr. No.	Particulars of work	Indian/US	Status
1	Method for pre-treatment of lignocellulosic biomass using recycled acid and alkali, in lactic acid production (202021008352)	Indian	Published
2	Method for pre-clarification of molasses to improve the fermentation efficiency thereof (201821039366)	Indian	Published
3	Method for pre-clarification of molasses to improve the fermentation efficiency thereof (US20200332374A1)	US	Published
4	Method for ethanol production from sugar by addition of spent wash as nutrient supplementation (202021025284)	Indian	Published
5	A microcontroller based system for measurement of solvent concentration (480/MUM/2001)	Indian	Published
6	Process of recovery of potassium salts from incineration boiler ash in molasses based distilleries (202021049490)	Indian	Applied
7	Chitosan-fortified fertilizer briquette	Indian	Applied
8	Chitosan B- glucan nanocomposite for restricting sclerotium rot disease and method of preparation thereof	Indian	Applied

Patent 1. Method for pre-treatment of lignocellulosic biomass using recycled acid and alkali, in lactic acid production (202021008352)

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Application Number	Title	Application Date	Status	
202021008352	METHOD FOR PRETREATMENT OF SUGARCANE BAGASSE IN LACTIC ACID PRODUCTION.	27/02/2020	Published	Application Status

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Government of India

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Patent 2. Method for pre-clarification of molasses to improve the fermentation efficiency thereof
(201821039366)

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Application Number	Title	Application Date	Status	
201821039366	METHOD FOR PRE-CLARIFICATION OF MOLASSES TO IMPROVE THE FERMENTATION EFFICIENCY THEREOF	17/04/2019	Published	Application Status

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Patent 3. Method for pre-clarification of molasses to improve the fermentation efficiency thereof (US20200332374A1)

Method for pre-clarification of molasses to improve the fermentation efficiency thereof

US20200332374A1
United States

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Inventor: Sanjay V. PATIL, D. R. Takate, Ashtavinayak D. PARADH, R. S. Patil
Current Assignee: VASANTDADA SUGAR INSTITUTE

Worldwide applications
2020 US

Application US16/850,281 events
2020-04-16 Application filed by VASANTDADA SUGAR INSTITUTE
2020-10-22 Publication of US20200332374A1
Status Abandoned

Abstract
A method for pre-clarification of molasses to improve the fermentation efficiency of the molasses and reduce a proportion of the cations in the molasses. The method improves fermentation performance for ethanol production using *Saccharomyces cerevisiae*. The pre-clarified molasses in accordance with the present invention showed a 2.64% increase in fermentation efficiency.

Images (2)

Classifications
C13B20/126 Organic agents, e.g. polyelectrolytes


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Patent 4. Method for ethanol production from sugar by addition of spent wash as nutrient supplementation
(202021025284)

Method for pre-cl | US20200332374A | METHOD FOR PRO | indian patent offi | E-Gateways | Intel | Intellectual Propert | +

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Application Number	Title	Application Date	Status	
202021025284	METHOD OF PRODUCTION OF ETHANOL FROM SUGAR	16/06/2020	Published	Application Status

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Patent 5. A
microcontroller based
system for
measurement of solvent
concentration
(480/MUM/2001)



A Microcontroller Based System For Determination Of Solvent Concentration

Disposed
Updated over 1
year ago

Documents

Abstract

The present invention provides a microcontroller based system for determination of solvent concentration which comprises a sample inlet, water inlet having control valves opening into measuring cum storage beaker, the storage beaker convergingly opening into a boiling chamber through control valves, the boiling chamber equipped with a temperature sensor and at least two electrical heaters, the boiling chamber having at the other end a conventional condenser fitted with the level sensor.

Information

Application ID	480/MUM/2001
Invention Field	CHEMICAL
Date of Application	2001-05-23

Applicants

Name	Address	Country	Nationality
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Patent 6. Process of recovery of potassium salts from incineration boiler ash in molasses based distilleries (202021049490)

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Application Number	Title	Application Date	Status	
202021049490	PROCESS FOR RECOVERY OF POTASSIUM SALTS FROM INCINERATION BOILER ASH IN MOLASSES BASED DISTILLERIES	12/11/2020	Published	Application Status

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Patent 7. Chitosan-fortified
fertilizer briquette
(202321038843)



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Via E-Mail

Date : 06-06-2023

VISHWAJEET KALE
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Dear Sir(s),

Re : **Indian Patent Application No.: 202321038843 dated June 6,2023**
Request For Examination No. R20232021961 dated June 6,2023
in the name of : PRINCIPAL INVESTIGATOR, NAHEP (NATIONAL AGRICULTURAL
: HIGHER EDUCATION PROJECT), DR BALASAHEB SAWANT
Title : CHITOSAN FORTIFIED FERTILIZER BRIQUETTES
Our Ref : PCC22373

We confirm having filed the application on **June 6,2023**.

The official application number, Request for Examination number and date of application is indicated in the subject.

A detailed filing report will be sent to you in a couple of days.

Regards,

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Patent 8. Chitosan B- glucan
nanocomposite for
restricting sclerotium rot
disease and method of
preparation there of

preparation thereof

FORM I THE PATENTS ACT, 1970 (39 of 1970) and THE PATENTS RULES, 2003 APPLICATION FOR GRANT OF PATENT (See Section 7, 54, 135 and Sub-Rule (1) of 20)				(FOR OFFICE USE ONLY)	
				Application No.:	
				Filing date:	
				Amount of fee paid:	
				CBR No.:	
				Signature	
APPLICANT'S REFERENCE/ IDENTIFICATION NO. (AS ALLOTTED BY OFFICE)					
1. TYPE OF APPLICATION [Please tick (✓) at the appropriate category]					
Ordinary (✓)		Convention ()		PCT-NP ()	
Patent of Addition ()	Divisional ()	Patent of Addition ()	Divisional ()	Patent of Addition ()	Divisional ()
3A. APPLICANT(S)					
Name in Full	Nationality	Country of Residence	Address of the Applicant		
Vasantdada Sugar Institute	Indian	India	Manjari (Bk), Tal- Haveli, Pune 412307, Maharashtra, India.		
3B. CATEGORY OF APPLICANT [Please tick (✓) at the appropriate category]					
Natural Person ()		Other than Natural Person (✓)			
		Small Entity ()	Startup ()	EI ()	Others (✓)
4. INVENTOR(S) [Please tick (✓) at the appropriate category]					
Are all the inventor(s) same as the applicant(s) named above?				Yes ()	No (✓)
If "No" furnish the details of the inventor(s)					
Name in Full	Nationality	Country of Residence	Address of the Inventors		
Dr. Sunil G. Dalvi	Indian	India	C/o Vasantdada Sugar Institute, Manjari (Bk), Tal- Haveli, Pune 412307, Maharashtra, India.		
Shri Somnath Nivrutti Chavanke	Indian	India	C/o Vasantdada Sugar Institute, Manjari (Bk), Tal- Haveli, Pune 412307, Maharashtra, India.		
5. TITLE OF THE INVENTION					
CHITOSAN: β-GLUCAN NANOCOMPOSITE FOR RESTRICTING SCLEROTIUM ROOT ROT DISEASE AND METHOD OF PREPARATION THEREOF					
5. AUTHORIZED REGISTERED PATENT AGENT(S)		IN/ PA No.	2058		
		Name	Prafulla Wasudevrao Wange.		
		Mobile No.	9552003071		
ADDITIONAL PATENT AGENTS		Ashwini Jagdish Kelkar (IN/PA-2461), Ragitha K. (IN/PA-2832).			




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