506803523 08/05/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6850342

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
AJAY KUMAR SHARMA	07/24/2021
MANAS RANJAN SWAIN	07/22/2021
AJIT SINGH	07/22/2021
ANSHU SHANKAR MATHUR	07/22/2021
RAVI PRAKASH GUPTA	07/22/2021
SURESH KUMAR PURI	07/22/2021
SANKARA SRI VENKATA RAMAKUMAR	07/24/2021

RECEIVING PARTY DATA

INDIAN OIL CORPORATION LIMITED
INDIAN OIL BHAVAN G-9, ALI YAVAR JUNG MARG
BANDRA (EAST)
MUMBAI
INDIA
400 051
DEPARTMENT OF BIOTECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY MINISTRY OF SCIENCE AND TECHNOLOGY, BLOCK-2, 7TH FLR
MINISTRY OF SCIENCE AND TECHNOLOGY, BLOCK-2, 7TH FLR
MINISTRY OF SCIENCE AND TECHNOLOGY, BLOCK-2, 7TH FLR C.G.O. COMPLEX, LODI ROAD

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17394811

CORRESPONDENCE DATA

Fax Number: (801)328-1707

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 8015339800

Email: rlturner@wnlaw.com

PATENT REEL: 057145 FRAME: 0602

506803523

Correspondent Name: WORKMAN NYDEGGER

Address Line 1: 60 EAST SOUTH TEMPLE, SUITE 1000

Address Line 4: SALT LAKE CITY, UTAH 84111

ATTORNEY DOCKET NUMBER: 20544.71

NAME OF SUBMITTER: CARL T. REED

SIGNATURE: /Carl T. Reed/

DATE SIGNED: 08/05/2021

This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 7

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PATENT REEL: 057145 FRAME: 0603

Title of Invention	A Process For Xylitol Production From Xylose	
Docket Number	20544.71	
As the below named in	iventor, I hereby declare that:	
This declaration is dire	exted to: The attached application, or	
The above-identified a	pplication was made or authorized to be made by me.	
I believe that I am the	I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.	
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.		
I hereby state that I ha	ve reviewed and understand the contents of the above-identified application, including the claim(s).	
I hereby state that I am aware of the duty to disclose all information which is material to patentability as defined in 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.		
WHEREAS, INDIAN OIL CORPORATION LIMITED having a place of business at: Indian Oil Bhavan, G-9, Ali Yavar Jung Marg. Bandra (East), Mumbai 400 051, INDIA and DEPARTMENT OF BIOTECHNOLOGY having a place of business at: Ministry Of Science And Technology, Block-2, 7th Floor C.G.O. Complex, Lodi Road, New Delhi-110 003, India (hereinafter referred to as "ASSIGNEES"), desire to acquire the entire right, title and interest in said invention and the above-identified United States patent application;		
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I hereby assign to the ASSIGNEES, the entire right, title and interest in said invention and in the above-identified United States patent application and in all divisions, continuations and continuations-in-part of said application, and reissues, extensions and renewals of Letters Patent granted thereon, and in all corresponding patent applications filed in countries foreign to the United States ("foreign countries") and corresponding international patent applications, and in all Letters Patents issuing on any such patent applications in the United States and foreign countries;		
names and the right	ASSIGNEES the right to file patent applications in foreign countries on said invention in their own to claim priority to the above-identified United States patent application under the terms of the on and any other relevant treaties;	
I hereby authorize and request the United States Patent & Trademark Office and officials in patent offices in foreign countries to issue any and all of said Letters Patent to the ASSIGNEES as the assignees of my entire right, title and interest in and to the same, for the sole use and behoof of the ASSIGNEES, their successors, assigns, and legal representatives, to the full end of the term for which said Letters Patent may be granted; and		
Further, I agree that, without further consideration, I will communicate to the ASSIGNEES any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuation-in-part, substitute, renewal and reissue applications, execute all necessary assignment papers to cause said Letters Patent to be issued to the ASSIGNEES, make all rightful oaths, and, perform all lawful acts to aid the ASSIGNEES, their successors and assigns, to obtain and enforce Letters Patent for said invention in the United States and foreign countries.		
LEGAL NAME OF INVENTOR		
Inventor: <u>SHAI</u> Signature:	RMA Ajay Kumar Date: 24th July 2022	
en discoscos es		

WORKMAN NYDECCER 60 East South Temple, Suite 1000 • Salt Lake City, UT 8/111

Title of Invention	A Process For Xylitol Production From Xylose	
Docket Number	20544.71	
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This declaration is dire	ected to: The attached application, or	
	United States application or PCT international application numberfiled on August, 2021 .	
The above-identified a	application was made or authorized to be made by me.	
I believe that I am the	I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.	
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I hereby assign to the States patent applica extensions and renew foreign to the United	, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNEES, the entire right, title and interest in said invention and in the above-identified United tion and in all divisions, continuations and continuations-in-part of said application, and reissues, rals of Letters Patent granted thereon, and in all corresponding patent applications filed in countries. I States ("foreign countries") and corresponding international patent applications, and in all Letters y such patent applications in the United States and foreign countries:	
I hereby assign to the names and the right	ASSIGNEES the right to file patent applications in foreign countries on said invention in their own to claim priority to the above-identified United States patent application under the terms of the tion and any other relevant treaties:	
I hereby authorize and request the United States Patent & Trademark Office and officials in patent offices in foreign countries to issue any and all of said Letters Patent to the ASSIGNEES as the assignees of my entire right, title and interest in and to the same, for the sole use and behoof of the ASSIGNEES, their successors, assigns, and legal representatives, to the full end of the term for which said Letters Patent may be granted; and		
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LEGAL NAME OF INVENTOR		
Inventor: <u>SW</u>	AIN, Manas Ranjan Date: 22 · 07 · 2021	
Signature:	Meller	

WORKMAN NYDEGGER 60 East South Temple, Suite 1000 • Sult Lake City, UT 84111

	n C. V. diest Dandardian Crara Vyloro
Title of Invention	A Process For Xylitol Production From Xylose
Docket Number	20544.71
As the below named in	iventor, I hereby declare that:
This declaration is dire	
	United States application or PCT international application number filed on August, 2021 .
	application was made or authorized to be made by me.
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LEGAL NAME OF INVENTOR	
}	GH. Ajit Date: 29.07.2021
Signature:	bit lingh

WORKMAN NYDEGGER

60 East South Temple, Suite 1000 • Salt Lake City, UT 84111

Title of Invention	A Process For Xylitol Production From Xylose
Docket Number	20544.71
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This declaration is dire	cted to: The attached application, or
	United States application or PCT international application number filed on August, 2021.
The above-identified ap	oplication was made or authorized to be made by me.
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I hereby acknowledge	that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by f not more than five (5) years, or both.
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I hereby authorize and countries to issue any an in and to the same, for t	request the United States Patent & Trademark Office and officials in patent offices in foreign dall of said Letters Patent to the ASSIGNEES as the assignees of my entire right, title and interest he sole use and behoof of the ASSIGNEES, their successors, assigns, and legal representatives, to or which said Letters Patent may be granted; and
Further, I agree that, we respecting said invention continuation-in-part, sub- letters Patent to be is	without further consideration, I will communicate to the ASSIGNEES any facts known to me in, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, estitute, renewal and reissue applications, execute all necessary assignment papers to cause said sued to the ASSIGNEES, make all rightful oaths, and, perform all lawful acts to aid the essors and assigns, to obtain and enforce Letters Patent for said invention in the United States and
EGAL NAME OF INV	ENTOR
	<u>JR. Anshu Shankar</u> Date: <u>22・0 3・2021</u>
rigiates C.	

WORKMAN NYDEGGER

50 East South Temple, Suite 1000 • Salt Lake City, UT 84113

Title of Invention	A Process For Xylitol Production From Xylose
Docket Number	20544,71
As the below named in	iventor, I hereby declare that:
This declaration is dire	
	United States application or PCT international application numberfiled on August, 2021
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LEGAL NAME OF INVENTOR	
	Date: 22.07.2021

WORKMAN NYDEGGER 60 East South Temple, Suite 1000 • Salt Lake City, UT 84111

Title of Invention	A Process For Xylitol Production From Xylose
Docket Number	20544.71
As the below named is	nventor, I hereby declare that:
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LEGAL NAME OF	INVENTOR
Inventor: PUF	Sweet Kumar Date: 22.07.2021

WORKMAN NYDEGGER 60 East South Temple, Suite 1000 • Salt Lake City, UT 84111

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EGAL NAME OF INV	ENTOR
Inventor: <u>RAMA</u> Signature:	KUMAR, Sankara Sri Venkata Daie: 24.07.2021

WORKMAN SYBEGGER 60 East South Temple, Suite 1000 • Salt Lake City, UT \$4111

> PATENT REEL: 057145 FRAME: 0610

RECORDED: 08/05/2021