### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6668677

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
PUSHKAR VARSHNEY	02/26/2021
SARAVANAN SUBRAMANI	02/26/2021
RESHMI MANNA	03/01/2021
DEBASIS BHATTACHARYYA	02/26/2021
MADHUSUDAN SAU	03/01/2021
SANKARA SRI VENKATA RAMAKUMAR	03/01/2021

### **RECEIVING PARTY DATA**

Name:	INDIAN OIL COMPANY LIMITED
Street Address:	G-9 ALI YAVAR JUNG MARG
Internal Address:	BANDRA (EAST)
City:	MUMBAI
State/Country:	INDIA
Postal Code:	400 051

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	17178619

### **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

Correspondent Name: WORKMAN NYDEGGER

Address Line 1: 60 EAST SOUTH TEMPLE

Address Line 2: SUITE 1000

Address Line 4: SALT LAKE CITY, UTAH 84111

ATTORNEY DOCKET NUMBER:	20544.57
NAME OF SUBMITTER:	CARL T. REED
SIGNATURE:	/Carl T. Reed/
DATE SIGNED:	04/21/2021

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

### **Total Attachments: 6**

source=20544-57-decs-assign-iocl#page1.tif

source=20544-57-decs-assign-iocl#page2.tif

source=20544-57-decs-assign-iocl#page3.tif

source=20544-57-decs-assign-iocl#page4.tif

source=20544-57-decs-assign-iocl#page5.tif

source=20544-57-decs-assign-iocl#page6.tif

Title of Invention	Process for preparation of highly coordinated sulfated mixed metal oxide catalyst having high crushing strength	
Docket Number	20544.57	
As the below named	nventor, I hereby declare that:	
This declaration is di	rected to:  The attached application, or	
	United States application or PCT international application number 17/178,619 filed on February 18, 2021.	
The above-identified	application was made or authorized to be made by me.	
I believe that I am the	original inventor or an original joint inventor of a claimed invention in the application.	
	e that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by of not more than five (5) years, or both.	
I hereby state that I h	ave 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 (hereinafter referred to as "ASSIGNEE") having a place of business at: G-9, Ali Yavar Jung Marg, Bandra (East), Mumbai 400 051, INDIA, desires 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 ASSIGNEE, 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;		
name and the right	te ASSIGNEE the right to file patent applications in foreign countries on said invention in its 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 ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of the ASSIGNEE, its 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 ASSIGNEE 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 ASSIGNEE, make all rightful oaths, and, perform all lawful acts to aid the ASSIGNEE, its 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>VA</u> I	RSHNEY, Pushkar Date: 26.02.2021	

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

<del></del>		
little of invention	Process for preparation of highly coordinated sulfated mixed metal oxide catalyst having high crushing strength	
Docket Number	20544.57	
As the below named inv	ventor, I hereby declare that:	
This declaration is direc	cted to: The attached application, or	
	United States application or PCT international application number 17/178,619 filed on February 18, 2021.	
The above-identified ap	oplication was made or authorized to be made by me.	
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 bave	re 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 (hereinafter referred to as "ASSIGNEE") having a place of business at: G-9, Ali Yavar Jung Marg, Bandra (East), Mumbai 400 051, INDIA, desires 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 ASSIGNEE, 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;		
I hereby assign to the ASSIGNEE the right to file patent applications in foreign countries on said invention in its own name and the right to claim priority to the above-identified United States patent application under the terms of the International Convention 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 ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of the ASSIGNEE, its 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 ASSIGNEE 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 ASSIGNEE, make all rightful oaths, and, perform all lawful acts to aid the ASSIGNEE, its successors and assigns, to obtain and enforce Letters Patent for said invention in the United States and foreign countries.		
LEGAL NAME OF IN	VENTOR	
Inventor: SUBR	AMANI, Sarayanan Date: 26-02-202)	

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

Signature:

Title of Invention	Process for preparation of highly coordinated sulfated mixed metal oxide catalyst having high crushing strength		
Docket Number	20544.57		
As the below named in	ventor, I hereby declare that:		
This declaration is dire	ected to: The attached application, or		
	United States application or PCT international application number 17/178,619 filed on February 18, 2021.		
The above-identified a	pplication was made or authorized to be made by me.		
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 have	ve reviewed and understand the contents of the above-identified application, including the claim(s).		
C.F.R. § 1.56, includi	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 (hereinafter referred to as "ASSIGNEE") having a place of business at: G-9, Ali Yavar Jung Marg, Bandra (East), Mumbai 400 051, INDIA, desires 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 ASSIGNEE, 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;			
name and the right to	ASSIGNEE the right to file patent applications in foreign countries on said invention in its own a 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 ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of the ASSIGNEE, its 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 ASSIGNEE 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 ASSIGNEE, make all rightful oaths, and, perform all lawful acts to aid the ASSIGNEE, its successors and assigns, to obtain and enforce Letters Patent for said invention in the United States and foreign countries.			
LEGAL NAME OF INVENTOR			
Inventor: MAN	NA. Reshmi Date: 01/03/2024		
Signature:	Ku Marine		

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

Title of Invention	Process for preparation of highly coordinated sulfated mixed metal oxide catalyst having high crushing strength	
Docket Number	20544.57	
As the below named in	iventor, I hereby declare that:	
This declaration is dire	ected to: The attached application, or	
	United States application or PCT international application number 17/178,619 filed on February 18, 2021.	
The above-identified a	application was made or authorized to be made by me.	
I believe that I am the	original inventor or an original joint inventor of a claimed invention in the application.	
	that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by 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).	
C,F.R. § 1.56, includi	m aware of the duty to disclose all information which is material to patentability as defined in 37 ng for continuation-in-part applications, material information which became available between the application and the national or PCT international filing date of the continuation-in-part application.	
WHEREAS, INDIAN OIL CORPORATION LIMITED (hereinafter referred to as "ASSIGNEE") having a place of business at: G-9, Ali Yavar Jung Marg, Bandra (East), Mumbai 400 051, INDIA, desires 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 ASSIGNEE, 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;		
name and the right t	ASSIGNEE the right to file patent applications in foreign countries on said invention in its own o claim priority to the above-identified United States patent application under the terms of the ion 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 ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of the ASSIGNEE, its 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 ASSIGNEE 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 ASSIGNEE, make all rightful paths, and, perform all lawful acts to aid the ASSIGNEE, its successors and assigns, to obtain and enforce Letters Patent for said invention in the United States and foreign countries.		
LEGAL NAME OF INVENTOR		
Inventor: BHA	TTACHARYYA, Debasis Date: 26 02 20 21	
Sígnature:	They are fa	

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

	Process for preparation of highly coordinated sulfated mixed metal oxide catalyst having	
Title of Invention	high crushing strength	
Docket Number	20544.57	
As the below named in	ventor, I hereby declare that:	
This declaration is dire		
	United States application or PCT international application number 17/178,619 filed on February 18, 2021.	
The above-identified a	pplication was made or authorized to be made by me.	
I believe that I am the	original inventor or an original joint inventor of a claimed invention in the application.	
I hereby acknowledge fine or imprisonment of	that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by frot 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 (bereinafter referred to as "ASSIGNEE") having a place of business at: G-9, Ali Yavar Jung Marg, Bandra (East), Mumbai 400 051, INDIA, desires to acquire the entire right, title and interest in said invention and the above-identified United States patent application;		
I hereby assign to the States patent applicat extensions and renewa foreign to the United	for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNEE, the entire right, title and interest in said invention and in the above-identified United ion and in all divisions, continuations and continuations-in-part of said application, and reissues, als of Letters Patent granted thereon, and in all corresponding patent applications filed in countries States ("foreign countries") and corresponding international patent applications, and in all Letters such patent applications in the United States and foreign countries;	
name and the right t	ASSIGNEE the right to file patent applications in foreign countries on said invention in its own or claim priority to the above-identified United States patent application under the terms of the on and any other relevant treaties;	
countries to issue any and to the same, for the	d request the United States Patent & Trademark Office and officials in patent offices in foreign and all of said Letters Patent to the ASSIGNEE as the assignee of my entire right, title and interest in e sole use and behoof of the ASSIGNEE, its successors, assigns, and legal representatives, to the full ich said Letters Patent may be granted; and	
respecting said invent continuation-in-part, a Letters Patent to be is	without further consideration, I will communicate to the ASSIGNEE any facts known to me ion, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause said sued to the ASSIGNEE, make all rightful oaths, and, perform all lawful acts to aid the ASSIGNEE, gns, to obtain and enforce Letters Patent for said invention in the United States and foreign countries.	
LEGAL NAME OF IT	NVENTOR , ,	
Inventor: SAU	Madhusudan Date: 01 03 202)	

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

Title of Invention	Process for preparation of highly coordinated sulfated mixed metal oxide catalyst having high crushing strength
Docket Number	20544.57
As the below named in	nventor, I hereby declare that:
This declaration is dire	ected to: The attached application, or
	United States application or PCT international application number 17/178,619 filed on February 18, 2021.
The above-identified a	pplication was made or authorized to be made by me.
I believe that I am the	original inventor or an original joint inventor of a claimed invention in the application.
I hereby acknowledge fine or imprisonment of	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.
I hereby state that I have	ve reviewed and understand the contents of the above-identified application, including the claim(s).
C.F.R. § 1.56, including	in aware of the duty to disclose all information which is material to patentability as defined in 37 ng for continuation-in-part applications, material information which became available between the application and the national or PCT international filing date of the continuation-in-part application.
business at: G-9, Ali \	OIL CORPORATION LIMITED (hereinafter referred to as "ASSIGNEE") having a place of avar Jung Marg, Bandra (East), Mumbai 400 051, INDIA, desires to acquire the entire right, title ention and the above-identified United States patent application;
I hereby assign to the States patent applicati extensions and renewa foreign to the United	for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNEE, the entire right, title and interest in said invention and in the above-identified United on and in all divisions, continuations and continuations-in-part of said application, and reissues, is of Letters Patent granted thereon, and in all corresponding patent applications filed in countries States ("foreign countries") and corresponding international patent applications, and in all Letters such patent applications in the United States and foreign countries;
name and the right to	ASSIGNEE the right to file patent applications in foreign countries on said invention in its own claim priority to the above-identified United States patent application under the terms of the on and any other relevant treaties;
countries to issue any a and to the same, for the	I request the United States Patent & Trademark Office and officials in patent offices in foreign and all of said Letters Patent to the ASSIGNEE as the assignee of my entire right, title and interest in sole use and behoof of the ASSIGNEE, its successors, assigns, and legal representatives, to the full ch said Letters Patent may be granted; and
respecting said inventi- continuation-in-part, so Letters Patent to be iss	without further consideration, I will communicate to the ASSIGNEE any facts known to me on, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, abstitute, renewal and reissue applications, execute all necessary assignment papers to cause said used to the ASSIGNEE, make all rightful oaths, and, perform all lawful acts to aid the ASSIGNEE, ms, to obtain and enforce Letters Patent for said invention in the United States and foreign countries.
LEGAL NAME OF INVENTOR	
Inventor: RAM	AKUMAR, Sankara Sri Venkata Date:

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

**RECORDED: 04/21/2021**