PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Jillian Elaine Collier	01/18/2010
Sylvie Cecile Laroze	01/18/2010
Raj Rao Rajaram	01/18/2010
David William Prest	01/22/2010

RECEIVING PARTY DATA

Name:	Johnson Matthey Public Limited Company		
Street Address:	10-42 Hatton Garden		
City:	London		
State/Country:	UNITED KINGDOM		
Postal Code:	EC1N 8EE		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12666444

CORRESPONDENCE DATA

Fax Number: (610)407-0701

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 610-407-0700

Email: Irbennett@ratnerprestia.com

Correspondent Name: Christopher R. Lewis

Address Line 1: P.O. Box 980

Address Line 4: Valley Forge, PENNSYLVANIA 19482-0980

ATTORNEY DOCKET NUMBER:	JMYT-459US
NAME OF SUBMITTER:	Christopher R. Lewis

Total Attachments: 4

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PATENT REEL: 024478 FRAME: 0681 OP \$40.00 12666444

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> PATENT REEL: 024478 FRAME: 0682

AA 1750 US

ASSIGNMENT - Patent Application					Docket Number:		
Whereas, the Ass	signor, cor	nprising the following named	inventor	s:			
	1. JILL	IAN ELAINE COLLIER		2.	SYLVIE CÉCILE LAROZE		
ASSIGNOR(s)/ INVENTOR(s)	3. RA	RAJ RAO RAJARAM		4. DAVID WILLIAM PREST			
	5.			6.			
for which an appl (Select one of the to is executed X was filed in	ication for following): I concurred the U.S. I	NON-ZEOLITE BASE ME Letters Patent of the United ntly herewith Patent and Trademark Office	States:		<u>TALYST</u>		
as U.S. Pat	tent Applic	ation Serial No.:					
ASSIGNEE (Full Name and A	\ddress)	JOHNSON MATTHEY PUE 40-42 HATTON GARDEN LONDON EC1N 8EE UNITED KINGDOM	BLIC LIM	ITEC	O COMPANY		

is desirous of acquiring the entire interest in and to said invention and the Letters Patent to be obtained therefor,

Now, therefore, in consideration of the payment by Assignee to Assignor of a sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor, intending to be legally bound, hereby sells, assigns and transfers to Assignee, its successors and assigns, the full and exclusive right, title and interest in and to said invention, all applications for Letters Patent for said invention, including all divisions, continuations, and continuations-in-part thereof, all rights to claim priority based thereon, and all Letters Patent, including reissues, to be obtained therefor, including any and all foreign patent rights in this invention corresponding thereto.

Assignor hereby warrants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

Assignor agrees it shall be legally bound, upon request of the Assignee or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the Assignor has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the Assignee, and to execute all instruments proper to carry out the intent of this instrument.

If the invention requires a biological deposit, Assignor also grants to Assignee such control over any deposit made by Assignor as may be necessary to the validity of the patent rights assigned herein.

Page 2 of 2 Modified 2/6/03

PATENT

REEL: 024478 FRAME: 0683

Docket Number:

Assignor authorizes Assignor's attorney to insert at the end hereof, the serial number and filing date of the aforesaid application for United States Letters Patent and/or the Attorney Docket or file designation for this application if not identified above.

If the Assignor includes more than one individual, these obligations shall apply to these individuals both individually and collectively.

In witness whereof, this Assignment is executed on the day indicated below.

:	Typed or Printed Name	Signature	Date
	1. J E COLLIER	J(Sher	18/1/10
		* Witness to Assignor #1	18/1/10
	2. S C LAROZE	/ cone	18/1110
		* Witness to Assignor #2	18/1/10
	3. R R RAJARAM	RRRace	18/1/10
SIGNATURE	e de la companya de l	#Witness to Assignor #3	18/1/10
SIGNATURE	4. DW PREST	vicios de recigion , s	
		* Witness to Assistant #44	
· V	5.	* Witness to Assignor #4	
			·
		* Witness to Assignor #5	
	6.	· · · · · · · · · · · · · · · · · · ·	
		* Witness to Assignor #6	

Application for United States Letters	Patent:	
Serial No.:	12/666,444	
Filed:	12/23/2009	
Attorney Docket Number:	JMYT-459US	
Total Number of Assignment Pages	2	* Witness signature recommended, mandatory for some countries

Page 2 of 2 Modified 2/6/03

AA 1750 US

ASSIGNMENT - Patent Application			Docke	Docket Number:		
Whereas, the Ass	ignor, comprising	the following named inv	entors:			
	1. JULLIAN EL	AINE COLLIER	2.	SYLVIE CÉCILE LAROZE		
ASSIGNOR(s)/ INVENTOR(s)	3. RAJ RAO R	AJARAM	4.	DAVID WILLIAM PREST		
	5.		6.			
made an invention	entitled: <u>NON-</u>	ZEOLITE BASE META	L SCR CA	<u>TALYST</u>		
for which an appli		Patent of the United Sta	tes:			
is executed concurrently herewith X was filed in the U.S. Patent and Trademark Office on, as U.S. Patent Application Serial No.:						
ASSIGNEE (Full Name and Address) JOHNSON MATTHEY PUBLIC LIMITED COMPANY 40-42 HATTON GARDEN LONDON EC1N 8EE UNITED KINGDOM						

is desirous of acquiring the entire interest in and to said invention and the Letters Patent to be obtained therefor,

Now, therefore, in consideration of the payment by Assignee to Assignor of a sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor, intending to be legally bound, hereby sells, assigns and transfers to Assignee, its successors and assigns, the full and exclusive right, title and interest in and to said invention, all applications for Letters Patent for said invention, including all divisions, continuations, and continuations-in-part thereof, all rights to claim priority based thereon, and all Letters Patent, including reissues, to be obtained therefor, including any and all foreign patent rights in this invention corresponding thereto.

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Page 2 of 2 Modified 2/6/03

PATENT

REEL: 024478 FRAME: 0685

ASSIGNMENT - Patent Application

Docket Number:

Assignor authorizes Assignor's attorney to insert at the end hereof, the serial number and filing date of the aforesaid application for United States Letters Patent and/or the Attorney Docket or file designation for this application if not identified above.

If the Assignor includes more than one individual, these obligations shall apply to these individuals both individually and collectively.

In witness whereof, this Assignment is executed on the day indicated below.

	Typed or Printe	d Name	Signature		Date
	1. JECOLLIER				
					-
			* Witness to Assignor #1		
	2. S C LAROZE			_	
			•		
			* Witness to Assignor #2	<u> </u>	<u></u>
	3. R R RAJARAI	M			: .
SIGNATURE			* Witness to Assignor #3	<u> </u>	
	4. DW PREST		Dand lot	:	22/01/10
			2. July	<u> </u>	25/01/10
·,			* Witness to Assignor #4		част иння при
	5.		·		. ·
				× 1	
			* Witness to Assignor #5		
	6.				
•			* Witness to Assignor #6		
Application for U	Jnited States Letters	Patent:			
Serial No.:		12/666,	444		
Filed:		12/23/2	009		
Attorney Docket	Number:	JMYT-4	59US		
Total Number o	f Assignment Pages	2	* Witness signature recom	nmended, mand	datory for some countries

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Modified 2/6/03

REEL: 024478 FRAME: 0686

RECORDED: 06/03/2010