PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:	ASSIGNMENT

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Name	Execution Date
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SAUD A ALDREES	01/13/2021
EYAD AL-GHILAN	01/17/2021
SAMI AL-DRESS	01/17/2021
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15046296

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PATENT

506459316 REEL: 054972 FRAME: 0414

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NAME OF SUBMITTER:	STEVEN M. SHAPE
SIGNATURE:	/Steven M. Shape/
DATE SIGNED:	01/20/2021

Total Attachments: 10

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PATENT REEL: 054972 FRAME: 0415 Atty. Docket No.: US-PF-1016295/US -

ASSIGNMENT

Mohammad C. Al-Kinany, Hamid A Almegren, Saud A Aldrees, Eyad Al-Ghilan, Sami Al-Dress, Abdullah Al-Ghamdi, Peter P Edwards, and Tiancun Xiao (hereinafter "the Assignors"), for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, hereby assign to THE CHANCELLOR, MASTERS AND SCHOLARS OF THE UNIVERSITY OF OXFORD, an entity organized under the laws of the United Kingdom, having an address at OXFORD UNIVERSITY, University Offices, Wellington Square, Oxford, OX1 2JD, United Kingdom, and THE KING ABDULAZIZ CITY FOR SCIENCE AND TECHNOLOGY, an entity organized under the laws of Saudi Arabia, having an address at P.O. Box 6086, Riyadh, Saudi Arabia 11442 (hereinafter "the Assignee"), its successors and assigns, the entire right, title and interest in the invention or improvements disclosed in United States Patent Application Serial No. 15/046,296 titled METHOD OF PREPARING A MODIFIED ZEOLITE CATALYST AND PREPARING ETHYLBENZENE USING ONE CYCLE PROCESS, and in any and all other applications, both United States and foreign, which the Assignors or assignee may file, either solely or jointly with others, on said invention or improvements, and in any and all patents of the United States and foreign countries which may be obtained on any of said applications and in any reissue or extension of such patents.

The Assignors hereby authorize and request the U.S. Commissioner of Patents and Trademarks to issue said Patent to said Assignee.

The Assignors warrant themselves to be the joint owners of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further warrant that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

For said considerations the Assignors hereby agree, upon the request and at the expense of said Assignee, its successors and assigns, to execute any and all divisional, continuation and substitute applications for said invention or improvements, and any necessary declaration, oath, or affidavit relating thereto, and any application for the reissue or extension of any Patent that may be granted upon said application, and any and all applications and other documents for Patent in foreign countries on said invention or improvements that said Assignee, its successors, or assigns may deem necessary or expedient, and for said considerations the Assignors further agree, upon the request of said Assignee, its successors, or assigns, to cooperate to the best of their ability with said Assignee, its successors, or

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Atty, Docket No.: US-PF-1016295/US

assigns, in any proceedings or transactions involving such application or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain and enforce said Patent, both United States and foreign, and vest all rights therein hereby conveyed in the Assignee, its successors, and assigns, whereby said patent will be held and enjoyed by the said Assignee, its successors and assigns to the full end of the term for which said Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

[Signature Pages Follow]

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Atty. Docket No.: US-PF-1016295/US

Dated this | 5 day of | 6 | Month

Mohammad C. Al-Kinany

Application No. 15/046,296

Atty. Docket No.: US-PF-1016295/US

Dated this 4 day of 4 Amegren

Month Year Hamid A. Almegren

Dated this 13 day of 2021 Month Year Saud A. Aldrees e Silla di ribiy

Application h	No. 15/	046,296	
Atty Docket	No 1	S-PF-10	16295/119

Dated this 17 day of	of <u>01</u>	, 2021 .	- Land Land Land
	Month	Year	Eyad Al-Ghilan

Dated this 17 day of Jan, 2021.

Month, Year

Sami Al-Dress

Dated this 17 day of 01 , 2021 for Abdullah Al-Ghamdi

Peter P. Rolumbs Dated this 12 day of JAN Month Year Peter P. Edwards

Dated this ___13 day of __01 Tiancun Xiao