

PATENT ASSIGNMENT COVER SHEET

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| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| MOHAMED EDDAOUDI | 02/14/2016 |
| KARIM ADIL | 02/14/2016 |
| YOUSSEF BELMABKHOUT | 02/14/2016 |
| AMANDINE CADIAU | 02/14/2016 |
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| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
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| DATE SIGNED: | 04/30/2020 |
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**ASSIGNMENT
OF PROVISIONAL PATENT APPLICATION**

WHEREAS, we, Mohamed **EDDAOUDI** residing at 4700 King Abdullah University of Science and Technology, Thuwal 23955-6900, Saudi Arabia; Karim **ADIL** residing at 4700 King Abdullah University of Science and Technology, Thuwal 23955-6900, Saudi Arabia; Yousef **BELMABKOUT** residing at 4700 King Abdullah University of Science and Technology, Thuwal 23955-6900, Saudi Arabia; Amandine **CADIAU** residing at 4700 King Abdullah University of Science and Technology, Thuwal 23955-6900, Saudi Arabia, hereinafter referred to as ASSiGNORS, have invented certain new and useful improvements ("invention(s)") as described and set forth in the below-identified United States provisional patent application entitled:

Highly stable Ni-M (metal: Al, Fe, V, Nb,...)F6-nH2O/Onpyrazine2(solvent)x Metal Organic Frameworks Absorbent Platforms For Gas Dehydration, BTX Removal From Sour Gas, H2S and N2 Removal From Propane/Propylene and Olefin/Paraffin Separations

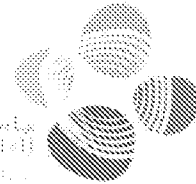
which was filed with the United States Patent and Trademark Office (USPTO) on April 7, 2015 and assigned Serial No. 62/144,169; and

WHEREAS, **KING ABDULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY**, having a business at 4700 King Abdullah University of Science and Technology, Thuwal, Kingdom of Saudi Arabia 23955-6900, hereinafter referred to as ASSiGNEE, is desirous of acquiring ASSiGNORS' interest in said invention(s) and provisional application and in any and all U.S. and foreign patent applications claiming priority to and/or the benefit of said provisional application and any and all patents which may be granted on the same.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by ASSiGNORS, ASSiGNORS have sold, assigned and transferred and do hereby sell, assign and transfer unto ASSiGNEE, and ASSiGNEE'S successors and assigns, (a) the entire right, title and interest, for the United States of America, in and to said invention(s), and said Provisional application and all the rights and privileges in any application and under any and all patents that may be granted in the U.S. for said invention(s), including all corresponding provisional, continuation, continuation-in-part, divisional, reissue, and reexamination applications; and (b) the entire right, title and interest in and to said invention(s), and said provisional application for all countries foreign to the U.S., including all rights of priority arising from them, and all the rights and privileges under any and all forms of protection, including patents, that may be granted in said countries foreign to the U.S. for them.

ASSiGNORS authorize ASSiGNEE to make application for such protection in its own name and maintain such protection in any and all countries foreign to the U.S., and to invoke and claim for any application for patent or other form of protection for said Invention(s), without further authorization from ASSiGNORS, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

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ASSIGNORS hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of ASSIGNEE to apply for patent or other form of protection for said Invention(s), said provisional application and to claim the aforesaid benefit of the right of priority.

ASSIGNORS request that any and all patents for said invention(s) be issued to ASSIGNEE in the U.S. and to ASSIGNEE in all countries foreign to the U.S., or to such nominee as ASSIGNEE may designate.

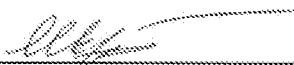
ASSIGNORS covenant and agree that, when requested, ASSIGNORS shall, without charge to ASSIGNEE but at ASSIGNEE'S expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable, or convenient in connection with the patent applications, patents, or other forms of protection of said invention(s), and for the defense and protection thereof if challenged in the court of law.

ASSIGNORS authorize ASSIGNEE or its agents to insert, on ASSIGNORS' behalf, the filing date and/or serial number above pertaining to the provisional application, if not known as of the date of execution of this document.

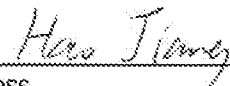


Mohamed EDDAOUDI

Date: FEB 11, 2016



Witness Mohamed Elhadi



Witness

Date: 14.02.2016

Date: 14.02.2016



Handwritten signature of Youssef BELMABKHOUT

Signature: Youssef BELMABKHOUT

Date: Feb. 11, 2016

Handwritten signature of Helwan Elkaraha

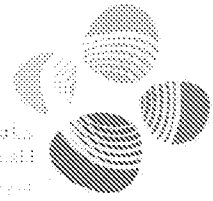
Witness Helwan Elkaraha

Date: 16.02.2016

Handwritten signature of Tranfer Jia

Witness

Date: 16.02.2016



King Fahd University of
Petroleum & Minerals
KAUST

Signature: Karim ADIL

Date: 16/02/2016

Witness Ahmed Alkharashi

Date: 16/02/2016

Witness Jiangtao Jia

Date: 14.02.2016



Amandine CADIAU

Date: 11 February 2016

Witness
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Witness
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Date: 11.02.2016

Date: 14 02 2016

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