505459615 05/03/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

c Version v1.1 EPAS ID: PAT5506418

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| SHINYA HODOSHIMA | 02/17/2015 |
| FUYUKI YAGI | 02/19/2015 |
| AZUSA MOTOMIYA | 02/19/2015 |
| SHUHEI WAKAMATSU | 02/26/2015 |
| SACHIO ASAOKA | 03/06/2015 |

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16402506 |

CORRESPONDENCE DATA

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| NAME OF SUBMITTER: | HSIN-I CINDY CHEN | |
| SIGNATURE: | /h. cindy chen/ | |
| DATE SIGNED: | 05/03/2019 | |
| | This document serves as an Oath/Declaration (37 CFR 1.63). | |

PATENT 505459615 REEL: 049072 FRAME: 0831

Total Attachments: 2

> PATENT REEL: 049072 FRAME: 0832

Combined Declaration and Assignment for Utility and Design Patent Applications

DECLARATION

As a below named inventor, I hereby declare that:

| I believe I am the or is sought on the inve | iginal inventor or an original joint inventor of the subject matter which is claimed and for which a patent entitled |
|---|---|
| Insert Title: | ZEOLITE CATALYSTS, METHODS FOR PRODUCING ZEOLITE CATALYSTS, AND METHODS FOR PRODUCING LOWER OLEFINS |
| the application of w | nich is attached hereto unless the following is checked |
| was filed on International Applic | as United States Application Number and was filed on June 7, 2013 as PCT ation Number PCT/JP2013/065811 and was amended on (if applicable). |
| The above-identified | application was made or authorized to be made by me. |
| I hereby acknowledgine or imprisonmen | ge that any willful false statement made in this declaration is punishable under section 1001 of title 18 by t of not more than 5 years, or both. |
| | ASSIGNMENT |
| FOR GOOD AND undersigned invent | VALUABLE CONSIDERATION, the adequacy and receipt of which is hereby acknowledged by the or(s) (hereinafter ASSIGNOR) by |
| Insert Assignee(s) Name/Address: | CHIYODA CORPORATION 4-6-2, Minatomirai, Nishi-ku, Yokohama-shi, Kanagawa 220-8765 |
| () ! C + COT | NETTO A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |

(hereinafter ASSIGNEE), the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the above-identified application (e.g., provisional or non-provisional) and all Letters Patent of the United States to be obtained therefore on said application or any continuation, divisional, substitute, reissue, reexamination, supplemental examination, inter partes review, post grant review, or other procedures thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with the application and any continuation, divisional, reissue, reexamination, supplemental examination, inter partes review, post grant review, or other procedures thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, divisional, reissue or reexamination, supplemental examination, inter partes review, post grant review, or other procedures thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

The ASSIGNOR sells, assigns and transfers to said ASSIGNEE the entire and exclusive right, title and interest to the application(s) and the invention(s) disclosed therein for the United States of America and all countries foreign to the United States and do hereby authorize said ASSIGNEE to apply for patents therefore in its own name in countries where such procedure is proper and to claim the priority right under the International Convention and agrees to execute all papers necessary

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in connection with applications for such patents and any continuation, divisional, substitute, reissue or reexamination, supplemental examination, inter partes review, post grant review, or other procedures thereof and also execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

Hereby executed by the undersigned on the date opposite the undersigned name:

| Legal Name of inventor ⇒ | Shinya Hodoshima | Date : | Feb.17, 2015 |
|--------------------------|------------------|--------|---------------|
| Inventor's Signature | Shunya Hoda | she | 'ma |
| Legal Name of inventor ⇔ | Fuyuki Yagi | Date: | Feb. 19, 2015 |
| Inventor's Signature ⇒ | Fuyuki Yagi | | |
| Legal Name of inventor ⇔ | Azusa Motomiya | Date : | Feb. 19,2015 |
| Inventor's Signature | Azusa Motomiya | | |
| Legal Name of inventor ⇔ | Shuhei Wakamatsu | Date : | Feb. 26, 2015 |
| Inventor's Signature ⇒ | Shuhei Wahamatsu | | |
| Legal Name of inventor ⇔ | Sachio Asaoka | Date : | Mar. 06,2015 |
| Inventor's Signature ⇒ | Sachio Annoha | | |