507051667 12/30/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7098505

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

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| OLIVIER MUSSET | 07/13/2020 |
| CHRISTOPHE THOMAZO | 07/09/2020 |
| PIERRE SANS JOFRE | 08/28/2020 |
| THÉOPHILE COCQUEREZ | 07/17/2020 |
| STEFAN LALONDE | 07/17/2020 |

RECEIVING PARTY DATA

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| Street Address: | MAISON DE L'UNIVERSITÉ ESPLANADE ERASME |
| City: | DIJON |
| State/Country: | FRANCE |
| Postal Code: | 21000 |
| Name: | CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE |
| Street Address: | 3 RUE MICHEL-ANGE |
| City: | PARIS |
| State/Country: | FRANCE |
| Postal Code: | 75016 |
| Name: | UNIVERSITE DE BRETAGNE OCCIDENTALE |
| Street Address: | 3 RUE DES ARCHIVES |
| City: | BREST |
| State/Country: | FRANCE |
| Postal Code: | 29238 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 17597175 |

CORRESPONDENCE DATA

Fax Number: (312)360-9315

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.

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PATENT

507051667 REEL: 058505 FRAME: 0496

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Correspondent Name: GREER, BURNS & CRAIN, LTD.

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ATTORNEY DOCKET NUMBER: 1606.147943

NAME OF SUBMITTER: LAWRENCE J. CRAIN

SIGNATURE: /Lawrence J. Crain/

DATE SIGNED: 12/30/2021

Total Attachments: 4

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PATENT REEL: 058505 FRAME: 0497 WOBRISSREISL USA

Declaration and Assignment for Utility or Design Patent Application

The title of this invention is:

Device for producing gaseous CO_2 from carbonates for isotopic analysis ($\delta^{13}C$ and $\delta^{18}O$) in situ, and associated method

| I. | Declaration | | | |
|----|-------------|---|--|--|
| | As a | below named inventor, I/we hereby declare that this declaration is directed to: | | |
| | | the attached application, | | |
| | | OR | | |
| | × | United States application or PCT international application | | |
| | Num | ber PCT/EP2020/068346 filed on June 30, 2020 | | |
| | and | was amended on (MM/DD/YYYY) | | |
| | (if a | oplicable). | | |

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.

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.

II. Assignment

Check this box to assign this invention.

FOR VALUE RECEIVED, the receipt of which is hereby acknowledged, the below named inventor or inventors (hereinafter called "ASSIGNOR") hereby assigns, transfers, and sets over to:

UNIVERSITE DE BOURGOGNE Maison de l'Université Esplanade Erasme

F-21000 DIJON, France

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE

3, rue Michel-Ange

F-75016 PARIS, France

WOBR19SREISL USA

UNIVERSITE DE BRETAGNE OCCIDENTALE 3, rue des Archives F-29238 BREST, France

(hereinafter called "ASSIGNEE"), the full and exclusive right, title, and interest in and to the abovenamed invention and all rights privileges under any Letters Patent that may be granted thereon, including all rights, if any, to sue for past infringement.

ASSIGNOR also assigns all rights, titles, and interests in and to said invention in all foreign countries, and all applications for Patent which may evolve therefrom, including the right to claim International Convention priority.

The ASSIGNOR agrees without charge to said ASSIGNEE but at its expense (a) to execute (i) all necessary papers to be used in connection with the above-identified application and any additional, continuing, or divisional applications, as the ASSIGNEE may deem necessary or expedient, (ii) all papers in connection with any interference or other legal or quasi-legal proceedings relating to the above-identified application or any additional, continuing, or divisional application thereof; (b) to cooperate with ASSIGNEE in every way possible in obtaining evidence and going forward in any such proceedings; and (c) to perform all other affirmative acts which may be necessary or desirable to obtain a grant of a valid patent.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States to issue any and all Letters Patent that may be granted upon the above-identified application or any additional, continuing or divisional applications thereof to the ASSIGNEE, its successors and assigns.

ASSIGNOR hereby covenants and warrants that he or she has full right to convey the entire right, title and interest by this instrument, free of any encumbrances and that no other agreement has been or will be executed in conflict herewith.

III. Inventor Signatures

| Given Name | : / Family Name: | Olivier MUSSET | | | | | |
|------------|---|----------------|-------|-----|-----|-----|----|
| Signature: | 4 | 4 | Date: | 43/ | 07/ | 202 | ۳. |
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| Given Name / Family Name: | Name: Christophe THOMAZO | | | |
|--|--------------------------|------------------------------------|--|--|
| Signature: | | Date: July 9, 2020 | | |
| F | | | | |
| Given Name / Family Name: | Pierre SANS JOFRE | | | |
| Signature: | | Date: | | |
| | | | | |
| Given Name / Family Name: | Théophile COCQUEREZ | | | |
| Signature: | | Date: July 17 th 2020 | | |
| | | | | |
| Given Name / Family Name: Stefan LALONDE | | | | |
| Signature: Jth L | dod | Date: July 17 th , 2020 | | |
| | _ | | | |
| Given Name / Family Name: | | | | |
| Signature: | | Date: | | |

WOBRISSREISE USA

| Given Name | Given Name / Family Name: Christophe THOMAZO | | | |
|---------------------------|--|---------------------|------------------|--|
| Signature: | | | Date: | |
| , | | | | |
| Given Name / Family Name: | | Pierre SANS JOFRE | | |
| Signature: | gnature: | | Date: 28/08/2020 | |
| | | | | |
| Given Name / Family Name: | | Théophile COCQUEREZ | | |
| Signature: | | | Date: | |
| | | | | |
| Given Name / Family Name: | | Stefan LALONDE | | |
| Signature: | | | Date: | |
| | | | | |
| Given Name / Family Name: | | | | |
| Signature: | | | Date: | |

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RECORDED: 12/30/2021