503313313 05/19/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3359931

| SUBMISSION TYPE: | CORRECTIVE ASSIGNMENT |
|------------------|---|
| | Corrective Assignment to correct the ASSIGNORS previously recorded on Reel 035357 Frame 0343. Assignor(s) hereby confirms the ASSIGNORS SHOULD BE LISTED AS CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) AND ECOLE NORMALE SUPERIEURE. |

CONVEYING PARTY DATA

| Name | Execution Date |
|---|----------------|
| CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) | 12/18/2014 |
| ECOLE NORMALE SUPERIEURE | 02/19/2015 |

RECEIVING PARTY DATA

| Name: | CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) | |
|-----------------|---|--|
| Street Address: | 3, RUE MICHEL ANGE | |
| City: | PARIS | |
| State/Country: | FRANCE | |
| Postal Code: | F-75016 | |
| Name: | ECOLE NORMALE SUPERIEURE | |
| Street Address: | 45 RUE D'ULM | |
| City: | PARIS | |
| State/Country: | FRANCE | |
| Postal Code: | F-75005 | |
| Name: | UNIVERSITE PIERRE ET MARIE CURIE (PARIS 6) | |
| Street Address: | 4, PLACE JUSSIEU | |
| City: | PARIS | |
| State/Country: | FRANCE | |
| Postal Code: | 75005 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number | |
|---------------------|----------|--|
| Application Number: | 13700115 | |

CORRESPONDENCE DATA

Fax Number: (202)640-6029

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.

Phone: 7039039000

Email: lpdocketing@MilesStockbridge.com,

PATENT 503313313 REEL: 035728 FRAME: 0217

Mkamara@milesstockbridge.com

Correspondent Name: MILES & STOCKBRIDGE P.C. Address Line 1: 30 WEST PATRICK STREET

Address Line 2: SUITE 600

Address Line 4: FREDERICK, MARYLAND 21701

ATTORNEY DOCKET NUMBER: 2912956-074002 NAME OF SUBMITTER: JOSEPH J. SCHULLER, PH.D.

SIGNATURE: /Joseph J. Schuller/ **DATE SIGNED:**

05/19/2015

Total Attachments: 7

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PATENT REEL: 035728 FRAME: 0218 Assignment Page 1 of 2

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

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

CONVEYING PARTY DATA

| | Execution Date |
|---|-----------------------|
| CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) | 12/18/2014 |
| ECOLE NORMALE SUPERIEURE | 02/19/2015 |

RECEIVING PARTY DATA

| Name: | CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) |
|------------------------------------|---|
| Street Address: 3, RUE MICHEL-ANGE | |
| City: | PARIS |
| State/Country: | FRANCE |
| Postal Code: | F-75016 |

| Name: | ECOLE NORMALE SUPERIEURE |
|-----------------|--------------------------|
| Street Address: | 45 RUE D'ULM |
| City: | PARIS |
| State/Country: | FRANCE |
| Postal Code: | F-75005 |

| Name: | UNIVERSITE PIERRE ET MARIE CURIE (PARIS 6) | |
|-----------------|--|--|
| Street Address: | 4, PLACE JUSSIEU | |
| City: | PARIS | |
| State/Country: | FRANCE | |
| Postal Code: | 75005 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 13700115 |

CORRESPONDENCE DATA

Fax Number: (703)610-8686 **Phone:** 7039039000

Email: Ipdocketing@MilesStockbridge.com, Mkamara@milesstockbridge.com

Assignment Page 2 of 2

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.

Correspondent Name: MILES & STOCKBRIDGE P.C. Address Line 1: 30 WEST PATRICK STREET

Address Line 2: SUITE 600

Address Line 4: FREDERICK, MARYLAND 21701

| ATTORNEY DOCKET NUMBER: | 2912956-074002 |
|-------------------------|---------------------------|
| NAME OF SUBMITTER: | JOSEPH J. SCHULLER, PH.D. |
| Signature: | /Joseph J. Schuller/ |
| Date: | 04/08/2015 |

Total Attachments: 3

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RECEIPT INFORMATION

EPAS ID: PAT3301503 **Receipt Date:** 04/08/2015

COMPANY TO COMPANY PATENT ASSIGNMENT

AMONG AND BETWEEN

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) of Paris, France, whose principal business address is, 3, rue Michel Ange, F-75016 Paris, France; and

ECOLE NORMALE SUPERIEURE of **Paris, France**, whose principal business address is 45 rue d'Ulm, F-75005 Paris, France,

Hereinafter referred to herein as "ASSIGNORS"

and

- 1) CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) (34%) of Paris, France, whose principal business address is 3, rue Michel Ange, F-75016 Paris, France;
- 2) ECOLE NORMALE SUPERIEURE (33%) of Paris, France, whose principal business address is 45 rue d'Ulm, F-75005 Paris, France; and
- 3) UNIVERSITE PIERRE ET MARIE CURIE (33%) of Paris, France, whose principal business address is 4, place Jussieu, 75252 Paris cedex 05, France,

WHEREAS, 1, 2 and 3, collectively referred to herein as "ASSIGNEES"

WHEREAS, ASSIGNORS are the owners of the entire right, title, and interest in and to:

1) METHOD OF DNA SEQUENCING BY HYBRIDISATION

Assigned United States Application Number <u>13/700,109</u> and was filed on <u>February 11, 2013</u> (Confirmation No. <u>3596</u>) ("the '109 application"); and

2) METHOD OF DNA SEQUENCING BY POLYMERISATION

Assigned United States Application Number <u>13/700.115</u> and was filed on March 14, 2013 (Confirmation No. <u>6159</u>) ("the '115 application").

WHEREAS, ASSIGNORS are desirous of assigning a portion of their right, title, and interest identified above in the '109 and '115 applications, including any and all divisionals, continuations, and continuations-in-part and foreign counterparts of said applications, and any and all Letters Patents in the United States and all foreign countries, which are presently granted and which may be granted therefore

4814-3441-3340v1|2912956-074001

and thereon, and reissues, reexamination certificates, and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property; and

WHEREAS, ASSIGNEES are desirous of acquiring the right, title, and interest in and to the above identified percentages to the '109 and '115 applications, including any and all divisionals, continuations, and continuations-in-part and foreign counterparts of said applications, and any and all Letters Patents in the United States and all foreign countries, which are presently granted and which may be granted therefore and thereon, and reissues, reexamination certificates, and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property; and

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, ASSIGNORS have sold, assigned, transferred, and set over, and by these presents do hereby sell, assign, transfer, and set over, unto ASSIGNEES, their successors, legal representatives, and assigns, the entire right, title, and interest in the '109 and '115 applications, and in and to any and all divisionals, continuations, and continuations-in-part and foreign counterparts of said applications, and any and all Letters Patents in the United States and all foreign countries, which are presently granted and which may be granted therefore and thereon, and reissues, reexaminations, and extensions of said Letters Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by ASSIGNEES, for their own use and benefit and the use and benefit of their successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent are presently granted, and which may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by ASSIGNORS, had this sale and assignment not been made.

4814-3441-3340v1|2912956-074001

| ASSIGNORS | |
|---|--|
| CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE | |
| | |
| Authorized Signatory Signature: | |
| Authorized Signatory's Name: DIRE-PRETI DIRECTEUR ADJOINT | |
| Title of Authorized Signatory: Ludovic HAMON | |
| Date of Execution: 18 DFC. 2014 | |
| UE 50 | |
| ECOLE NORMALE SUPERIEURE | |
| Authorized Signatory Signature: | |
| Authorized Signatory's Name: MARC MEZARD MORMALE SUPPLY | |
| Title of Authorized Signatory: DIRECTOR | |
| Date of Execution: February 19th, 2015 | |
| | |

4814-3441-3340v1|2912956-074001

RECORDED: 05/19/2015

Page 3 of 3