PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------------|----------------|
| Response Genetics Inc | 03/06/2009 |

RECEIVING PARTY DATA

| Name: | SmthKline Beecham Biologicals s.a. | |
|-----------------|------------------------------------|--|
| Street Address: | Rue de l'Institut 89 | |
| City: | Rixensart | |
| State/Country: | BELGIUM | |
| Postal Code: | B-1330 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 12305742 |

CORRESPONDENCE DATA

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Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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ATTORNEY DOCKET NUMBER: VB62023

NAME OF SUBMITTER: Marilyn Saleeby

Total Attachments: 4

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ASSIGNMENT

WHEREAS I/WE, Dennis SALONGA and Craig Lawrence STEPHENS of Los Angeles, California, USA (hereinafter called "the inventor(s)") have invented or discovered "METHOD FOR THE DETECTION AND DIAGNOSIS OF CANCER INVOLVING PRIMERS AND PROBES FOR THE SPECIFIC DETECTION OF THE MAGE- A3 -MARKER " (hereinafter called "the invention") for which an application for Letters Patent in the *United Kingdom* was filed on 21-Jun-2006 under application number 0612342.6, and for which a PCT international application is now being filed designating the United States of America. I/We hereby authorize and request that the filing date and PCT International application number, when known, be inserted here in parentheses;

(PCT Application No PCT/EP2007/056219, filed 21-Jun-2007)

WHEREAS the invention, being made in the course of my employment, belongs to my/our employer at that time, namely RESPONSE GENETICS INC a company incorporated in the United States of America whose registered address is 1640 Marengo St, 6th Floor, Los Angeles, CA 90033, USA, and

WHEREAS RESPONSE GENETICS INC has authorised and requested our making the application, and

WHEREAS GLAXOSMITHKLINE BIOLOGICALS S.A., a company incorporated in England whose registered address is rue de l'Institut 89, B-1330 Rixensart, Belgium is desirous of acquiring the whole right, title and interest in and to the invention and in and to any applications for the invention and any Letters Patent to be obtained therefor, in all countries, including the United States of America, its territories and possessions;

NOW, THEREFORE, to all whom it may concern be it known that I/we, the inventor(s), hereby confirm the ownership by RESPONSE GENETICS INC of the invention and the application by

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operation of law and, if under the law of the United States of America I/we the inventor(s) have any ownership right, title and interest in and to the invention and the application, (which I/we do not believe to be the case and claim no ownership right, title or interest in and to the invention and to the application based on the law of the United States of America), I/we the inventor(s) nevertheless hereby assign and transfer such ownership right, title and interest in and to the invention and to the application, including the right to claim priority from the application in respect of any subsequent applications, to GLAXOSMITHKLINE BIOLOGICALS S.A..

AND RESPONSE GENETICS INC hereby, and I/we the inventor(s) for myself/ourselves and my/our respective executors and legal representatives hereby, agree at the request and cost of GLAXOSMITHKLINE BIOLOGICALS S.A., to provide information and make execute and deliver any and all other instruments in writing, and any and all further acts, applications, papers, affidavits, assignments and other documents which may be possible and are necessary or desirable to more effectually secure to and vest in GLAXOSMITHKLINE BIOLOGICALS S.A., its successors and assigns, the whole right, title and interest in and to the invention and in and to the application hereby assigned and transferred in all countries, including the United States of America, its territories and possessions.

IN WITNESS whereof and with effect from the 21-Jun-2006, the inventor(s) and the Authorised Official of RESPONSE GENETICS INC and Peter John GIDDINGS as Attorney of GLAXOSMITHKLINE BIOLOGICALS S.A., have hereunto set their respective hands.

| SIGNED by Dennis SALONGA: | | Lochy. | |
|---------------------------|---------------|--------|--|
| | | UV | |
| Date: | 27- FGB, 2009 | | |

| SIGNED by Craig Lawrence STEPHENS: | Chaig Lawrence Stephens |
|---|---|
| Date: 3/6/2009 | |
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| SIGNED by THOMAS STANKOVICH as the Auth | norised Official of RESPONSE GENETICS INC |
| m Stl | Date: 3/4/2009 |
| | Date: |
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| S.A. | forney of GLAXOSMITHKLINE BIOLOGICALS |
| S.A. | |
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| Milly | 12 MAR 2009 Date: |
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| SIGNED by Craig Lawrence STEPHENS: | | |
|---|--|--|
| Date: | | |
| SIGNED by | as the Authorised Official of RESPONSE GENETICS INC | |
| THOMAS STANKOUICH CHIEF FINANCIAL OFFICE | Date: JUNE 12, 2019 | |
| SIGNED by Peter John GID | DINGS as the Attorney of GLAXOSMITHKLINE BIOLOGICALS | |
| | 16 JUN 2009 | |

RECORDED: 01/07/2010

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