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| PATENT ASSIGNMENT COVER SHEET |
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|---|-----------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| PATRICK NAXOS PAGE | 10/06/2016 |
| CATHERINE JORAND-LEBRUN | 10/20/2016 |
| ANNA QUATTROPANI | 10/10/2016 |
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| Postal Code: | 1267 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 16752961 |
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| NAME OF SUBMITTER: | KAREN L. ELBING, PH.D. |
| SIGNATURE: | /Karen L. Elbing, Ph.D./ |
| DATE SIGNED: | 05/29/2020 |
| Total Attachments: 4 | |
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| source=51130-002001 Page, Quattropani and Jorand-Lebrun assignment#page3.tif | |

ASSIGNMENT

For valuable consideration, we,

| Full Name of Assignor | City | State (and Country if not USA) |
|-------------------------------|--------------------------|--------------------------------|
| Patrick Maxes PAGE | Saint Julien-en Genevois | FR |
| Catherine JORAND-LEBRUN | Contamine-Sarzin | FR |
| Anna QUATTROPANI | Geneve | CH |
| Vincent POMEL | Groisy | FR |
| Matthias SCHWARZ | Geneve | CH |

hereby assign to

| Full Name of Assignee | State of Incorporation | Business Address |
|-----------------------|------------------------|---|
| Merck Serono S.A. | Switzerland | Centre Industriel, Coinsins, CH-1267, Switzerland |

and to its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title, and interest throughout the world in the inventions and improvements which are subject of one or more applications for United States Patent signed by us, identified as:

| Title of Application | Filing Date | Serial Number |
|---|--------------------|---------------|
| ALPHA-AMINO ESTERS OF HYDROXYPROPYLTHIAZOLIDINE CARBOXAMIDE DERIVATIVE AND SALT FORM, CRYSTAL POLYMORPH THEREOF | January 4, 2016 | 62/274,674 |
| ALPHA-AMINO ESTERS OF HYDROXYPROPYLTHIAZOLIDINE CARBOXAMIDE DERIVATIVE AND SALT FORM, CRYSTAL POLYMORPH THEREOF | September 16, 2016 | 62/395,664 |
| ALPHA-AMINO ESTERS OF HYDROXYPROPYLTHIAZOLIDINE CARBOXAMIDE DERIVATIVE AND SALT FORM, CRYSTAL POLYMORPH THEREOF | | |

and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment includes said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our names or in its own name for patents, utility models, design registrations, and like rights of exclusion, and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation, to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements, and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment. This assignment also includes the right to sue for past acts of infringement, whether based on any patents listed herein, patents issuing from applications listed herein, or provisional rights from any patent applications listed herein.

Patrick Page

Patrick ~~Page~~ PAGE

6 October 2016

Date

Emilie Page

Witnessed by *Emilie Page*

6 October 2016

Catherine JORAND-LEBRUN

Date

Witnessed by

Anna QUATTROPANI

Date

Witnessed by

Patrick Naxos PAGE

Date


Witnessed by



Catherine JORAND-LEBRUN

10/20/2016

Date



Witnessed by

10/20/2016

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Date

Witnessed by


Anna QUATTROPANI

10 / 10 / 2016

Date


Witnessed by

10/10/2016