

ASSIGNMENT

WHEREAS I/We are the below-named inventor(s) (hereinafter referred to as Assignor(s)) of an invention as disclosed and claimed in the applications identified below this paragraph:

Application Number	Title	Country of Filing	Filing Date
62/481,076	SYSTEMS AND METHODS FOR GENERATING A SEARCHABLE FORMULATION DATABASE	United States	April 3, 2017
15/944,573	SYSTEMS AND METHODS FOR QUERY AND INDEX OPTIMIZATION FOR RETRIEVING DATA IN INSTANCES OF A FORMULATION DATA STRUCTURE FROM A DATABASE	United States	April 3, 2018

WHEREAS, **American Chemical Society**, a federally-chartered non-profit corporation of the United States, whose post office address is **1155 Sixteenth Street, NW, Washington, DC 20036** (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to all applications for patents on this invention in all countries throughout the world, including any PCT International Application and all national stage applications based thereon that may be filed, and all patents issued upon such applications in all countries throughout the world;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention, the above-referenced applications that disclose and claim this invention, any PCT International Application and all national stage applications based thereon that may be filed, any other applications for patents filed anywhere in the world that claim this invention, and all divisions, and continuations of any such application, and all patents which may be granted thereon, and all reissues thereof, and all rights to claim priority in any country on the basis of any such applications, and all extensions, renewals, and reissues thereof; and I/We hereby authorize and request that any official of any country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

AND, I/WE authorize and request a patent practitioner of record in this application, to insert the filing date, country of filing, and application number of the above-referenced application(s) when known.

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

ASSIGNOR (Inventor) 1

Signature: 

Print Name: Elizabeth Michele Altizer

Execution Date: 4/4/18

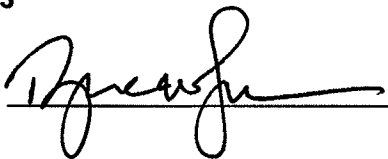
ASSIGNOR (Inventor) 2

Signature: 

Print Name: Patrick Neil Kennedy

Execution Date: 4/2/2018

ASSIGNOR (Inventor) 3

Signature: 

Print Name: Brian Walter Link

Execution Date: 4/2/18

ASSIGNOR (Inventor) 4

Signature: 

Print Name: Susan Ellen Miller

Execution Date: 4-2-2018

ASSIGNOR (Inventor) 5

Signature:

Pillhun Sun

Print Name:

Pillhun Sun

Execution Date:

4/2/2018

ASSIGNOR (Inventor) 6

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Matthew James Toussant

Print Name:

Matthew James Toussant

Execution Date:

April 2, 2018

ASSIGNOR (Inventor) 7

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Amanda Brooke Windhof

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Amanda Brooke Windhof

Execution Date:

4/4/2018

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Jeffrey D. Wisard

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4/2/2018

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Scott M. Coplin

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Scott Matthew Coplin

Execution Date:

4/2/2018

Assignee Name:

American Chemical Society

Signature:

Flint Lewis

Printed Name:

Flint Lewis

Corporate Title:

Secretary & General Counsel

Date:

April 3, 2018