

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT | |
| NATURE OF CONVEYANCE: | ASSIGNMENT | |
| CONVEYING PARTY DATA | | |
| | Name | Execution Date |
| | JOHN K. WAKEFIELD | 09/12/2012 |
| RECEIVING PARTY DATA | | |
| Name: | DHARMACON, INC. | |
| Street Address: | 2650 CRESCENT DRIVE | |
| Internal Address: | SUITE 100 | |
| City: | LAFAYETTE | |
| State/Country: | COLORADO | |
| Postal Code: | 80026 | |
| PROPERTY NUMBERS Total: 1 | | |
| | Property Type | Number |
| | Application Number: | 14238870 |
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| NAME OF SUBMITTER: | SCOTT D. LOCKE | |
| SIGNATURE: | /Scott D. Locke/ | |
| DATE SIGNED: | 04/15/2014 | |
| Total Attachments: 2 | | |
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| source=Assignment_executed#page2.tif | | |

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ASSIGNMENT

In consideration of Ten Dollars (\$10.00), and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the undersigned, **John K. Wakefield**, residing at 3241 Tyrol Road, Birmingham, AL 35216,

Hereby sell, assign and transfer to **Dharmacon, Inc.**, 2650 Crescent Drive, Suite 100, Lafayette, CO 80026 ("Assignee") its successors and assigns, the entire right, title, dominion and interest in and to any and all inventions that are disclosed and claimed, and any and all inventions that are disclosed but not claimed, in the patent application that is entitled

Optimization of Vectors for Effective Delivery and Expression of Genetic Content

PCT Patent Application Serial No. _____

[The undersigned authorizes his attorneys or record to insert the serial number when it becomes known.]; and

Optimization of Vectors for Effective Delivery and Expression of Genetic Content

U.S. Provisional Patent Application Serial No. 61/543,596,

and in and to any and all continuation, continuation-in-part, divisional, substitute, reexamination, renewal, reissue, and national stage applications and all other applications for a patent or other related property rights based on inventions disclosed therein;

Authorize and request the Director of Patents of the United States of America and the corresponding authorized person or agency in any other jurisdiction in which said applications have been or will be filed to issue to the Assignee, its successors, assigns and legal representatives, in accordance with this assignment, any and all patents on any inventions disclosed in the aforementioned applications;

Agree that the Assignee may apply for and receive foreign patents or rights of any other kind for inventions described in the above-referenced application(s) and may claim, in applications for foreign patents or other rights, the priority of the aforesaid patent application(s) under the provisions of the International Convention of 1883 and later modifications thereof, under the Patent Cooperation Treaty, under the European Patent Convention or under any other available international agreement;

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ASSIGNMENT

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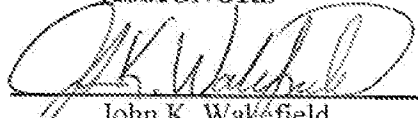
Represent to the Assignee, its successors, assigns and legal representatives that I have not and shall not execute any writing or do any act whatsoever that conflicts with this Assignment and that, when requested, without charge to, but at the expense of, Assignee, its successors, assigns and legal representatives, I will carry out in good faith the intent and purpose of this Assignment, and the undersigned or the undersigned's executors or administrators will, for the United States and all foreign countries execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications or other documents on any and all said inventions; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to the Assignee, its successor, assigns and representatives, all facts known and documents available to the undersigned relating to said inventions and the history thereof; testify in all legal proceedings; and generally do everything possible that the Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said inventions and for vesting title to said inventions and all applications for patents or related foreign rights and all patents on said inventions, in the Assignee, its successors, assigns and legal representatives; and

Covenant that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned.

ASSIGNORS

Date: 9-19-2012

By:


John K. Wakefield

Witness

Signature: _____

Print Name: _____

Date: _____

Address: _____

Witness

Signature: _____

Print Name: _____

Date: _____

Address: _____

