

PATENT ASSIGNMENT COVER SHEET

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|---|---------------------------------|-----------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT | |
| NATURE OF CONVEYANCE: | ASSIGNMENT | |
| CONVEYING PARTY DATA | | |
| | Name | Execution Date |
| | ANASTASIA KHVOROVA | 10/20/2004 |
| | ANGELA REYNOLDS | 10/21/2004 |
| | DEVIN LEAKE | 10/18/2004 |
| | WILLIAM MARSHALL | 10/26/2004 |
| | STEVEN READ | 10/26/2004 |
| | STEPHEN SCARINGE | 11/16/2004 |
| 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: | 14097551 |
| CORRESPONDENCE DATA | | |
| Fax Number: | (650)938-5200 | |
| <i>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.</i> | | |
| Phone: | 415-875-2316 | |
| Email: | nmorad@fenwick.com | |
| Correspondent Name: | SUSAN T. HUBL | |
| Address Line 1: | FENWICK & WEST LLP | |
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| ATTORNEY DOCKET NUMBER: | 24855 US | |
| NAME OF SUBMITTER: | SUSAN T. HUBL, REG. 47,668 | |
| SIGNATURE: | /Susan T. Hubl/ | |
| DATE SIGNED: | 09/25/2014 | |

PATENT

Total Attachments: 6

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ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt and sufficiency of which is hereby acknowledged, I (we), the undersigned, Anastasia KHVOROVA, residing at 4550 Squires Circle, Boulder, CO, 80305, United States; Angela REYNOLDS, residing at 11445 Conifer Ridge Drive, Conifer, CO, 80433, United States; Devin LEAKE, residing at 3050 S. Krameria St., Denver, CO, 80222, United States; William MARSHALL, residing at 495 Mohawk Drive, Boulder, CO, 80303, United States; Steven READ, residing at 1090 Cherokee Street #304, Denver, CO, 80204, USA; Stephen SCARINGE, residing at 2746 Prairie Ridge, Lafayette, CO, 80026, United States;

Hereby sell, assign and transfer to DHARMACON, INC., having a place of business at, 2650 Crescent Drive, Suite 100, Lafayette, CO 80026, United States, its successors, assigns and legal representatives, the entire right, title and interest for all countries, 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 application for United States Patent that has been executed by the undersigned and is entitled:

**METHODS AND COMPOSITIONS FOR
SELECTING siRNA OF IMPROVED FUNCTIONALITY**

US APPLICATION SERIAL NO. 10/940,892, FILED September 14, 2004

[the undersigned hereby authorizes its attorneys to amend this document to insert the filing date and application serial number when they become known]

and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for U.S. Letters Patent or other related property rights in any and all foreign countries that have been or shall be filed on any of said inventions disclosed in said application; and in and to all original and reissued patents or related foreign documents that have been or shall be issued on said inventions;

Authorize and request the Director of Patents of the United States to issue to said Assignee, the corporation above named, its successors, assigns and legal representatives, in accordance with this assignment, any and all United States Letters Patent on said inventions disclosed in said application;

Agree that said Assignee may apply for and receive foreign Letters Patents or rights of any other kind for said inventions, or any of them; and may claim, in applications for said foreign Letters Patent or other rights, the priority of the aforesaid United States patent

application 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; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, 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 said 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 said 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 said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives 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 full right to convey the same as herein expressed is possessed by the undersigned.

ASSIGNOR

Anastasia KHVOROVA

Date: 10.20.04

Witness

Signature: [Signature]

Print Name: ELENA MAKSIMOVA

Date: October 20, 2004

Address: 11821 RIDGE HWY

By: [Signature]
Signature

Witness

Signature: [Signature]

Print Name: Barbara Robertson

Date: October 20, 2004

Address: 465 Hawthorn Ave.

ATT. 1736

BROOMFIELD CO 80021

Boulder, CO 80304

Angela REYNOLDS

Date: 10/21/2004

By: Angela R. Reynolds
Signature

Witness

Signature: [Signature]

Print Name: Annaleen Vermeulen

Date: 10-21-04

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Signature: [Signature]

Print Name: Barbara Robertson

Date: October 21, 2004

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Devin LEAKE

Date: 10/18/04

By: [Signature]
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Witness

Signature: [Signature]

Print Name: Annaleen Vermeulen

Date: 10-18-04

Address: 729 Julian Cir
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Witness

Signature: Emily M. Anderson

Print Name: Emily M. Anderson

Date: 10/18/04

Address: 10358 milo circle
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William MARSHALL

Date: 10/26/04

By: 
Signature

Witness

Signature: 

Print Name: Kevin Nash

Date: 10/26/04

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80020

Witness

Signature: 

Print Name: Peggi Franks

Date: 10/26/04

Address: 1368 S. Dusk Dr.
Milliken, CO
80543

Steven READ

Date: _____

By: _____
Signature

Witness

Signature: _____

Print Name: _____

Date: _____

Address: _____

Witness

Signature: _____

Print Name: _____

Date: _____

Address: _____

William MARSHALL

Date: _____

By: _____
Signature

Witness

Witness

Signature: _____

Signature: _____

Print Name: _____

Print Name: _____

Date: _____

Date: _____

Address: _____

Address: _____

Steven READ

Date: 10-26-04

By: [Signature]
Signature

Witness

Witness

Signature: Harriet Walters

Signature: Clark Richert

Print Name: Harriet Walters

Print Name: CLARK RICHERT

Date: Oct, 26, 2004

Date: 10/26/04

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Denver, Co
80218

80211

Stephen SCARINGE

Date: 11/16/04

By: Stephen Scaringe
Signature

Witness

Signature: Georgiana Williams

Print Name: Georgiana Williams

Date: 11/16/04

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Witness

Signature: Peggy Franks

Print Name: Peggy Franks

Date: 11/16/04

Address: 1308 S. Dusk Dr.

Milliken, CO

80543