

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
THOMAS POEHMERER	01/11/2016
PHILLIP KUHN	01/07/2016
FRANK NOTKA	01/07/2016
ANDREAS ZEIDLER	01/07/2016
KORBINIAN HEIL	01/07/2016
AXEL TREFZER	01/07/2016
RECEIVING PARTY DATA	
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14964060
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NAME OF SUBMITTER:	PETER G. FOILES
SIGNATURE:	/Peter G. Foiles/
DATE SIGNED:	03/02/2016

Total Attachments: 4

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ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged, I/we:

1. Thomas POEHMERER, a citizen of **DE**; having a mailing address of
c/o Thermo Fisher Scientific GENEART GmbH, Im Gewerbepark B35, Regensburg, Germany
93059;

and a resident of **Regensburg, DE**.

2. Phillip KUHN, a citizen of **DE**; having a mailing address of
c/o Thermo Fisher Scientific GENEART GmbH, Im Gewerbepark B35, Regensburg, Germany
93059;

and a resident of **Regensburg, DE**.

3. Frank NOTKA, a citizen of **DE**; having a mailing address of
c/o Thermo Fisher Scientific GENEART GmbH, Im Gewerbepark B35, Regensburg, Germany
93059;

and a resident of **Regenstauf, DE**.

4. Andreas ZEIDLER, a citizen of **DE**; having a mailing address of
c/o Thermo Fisher Scientific GENEART GmbH, Im Gewerbepark B35, Regensburg, Germany
93059;

and a resident of **Sulzbach an der Donau, DE**.

5. Korbinian HEIL, a citizen of **DE**; having a mailing address of
c/o Thermo Fisher Scientific GENEART GmbH, Im Gewerbepark B35, Regensburg, Germany
93059;

and a resident of **Munich, DE**.

6. Axel TREFZER, a citizen of **DE**; having a mailing address of
c/o Thermo Fisher Scientific GENEART GmbH, Im Gewerbepark B35, Regensburg, Germany
93059;

and a resident of **Tegernheim, DE**.

do hereby SELL, ASSIGN, AND TRANSFER to **THERMO FISHER SCIENTIFIC GENEART GMBH**, (the "Assignee", a corporation of Germany having a place of business at Im Gewerbepark B35, Regensburg, Germany 93059 the entire right, title, and interest for the United States and all foreign countries in and to

(1) any and all inventions, improvements, know-how, and other subject matter described, disclosed, or contained (whether claimed or not) in (a) United States Provisional Patent Application, Serial International Patent Application United States Non-Provisional Patent Application No. **14/964,060** filed on **December 9, 2015** entitled **HIGH EFFICIENCY, SMALL VOLUME NUCLEIC ACID SYNTHESIS**, (b) all divisional, continuing, design, utility model, substitute, renewal, reissue, reexamination, and all other applications for patent which have been or shall be filed in the United States and all foreign countries that claim priority to or through, any of the foregoing applications; and (c) all original, reissued and reexamined patents which have been or shall be issued in the United States or any foreign country on or resulting from any of the applications referenced in (a) or (b);

(2) any and all inventions, improvements, know-how, and other subject matter described, disclosed, or contained (whether claimed or not) in any of the foregoing applications and patents;

(3) the right to file foreign applications under the provisions of any convention or treaty and claim priority based on any of the foregoing applications in the United States or any other country; and

(4) the copyright in any and all material described, disclosed, or contained in the foregoing applications and patents;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

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

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will (1) execute any and all papers and documents (including without limitation oaths, declarations, assignments, and powers of attorney) and perform any and all acts reasonably necessary in connection with the filing, prosecution, and issuance of each of the patent applications and patents referenced herein; (2) communicate to the Assignee all facts known to the undersigned relating to each of the patent applications, patents, and improvements referenced herein, and the history thereof; and (3) generally do everything possible that the Assignee shall reasonably consider desirable to vest title in Assignee in and to each of the patent applications, patents, and improvements referenced herein and for securing, maintaining, and enforcing proper patent protections for inventions, improvements, know-how, and other subject matter referenced herein.


ASSIGNOR(S) HEREBY AUTHORIZE AND REQUEST the assignee's agents associated with customer number 52059 to insert above the filing date and application number of said application when known.

TO BE BINDING on the heirs, assigns, representatives, and successors of the undersigned and extend to the successors, assigns, and nominees of the Assignee.

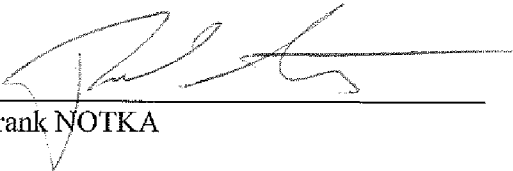
SEVERABILITY. If a provision of this Assignment is or becomes illegal, invalid, or unenforceable in any jurisdiction, that shall not affect (a) the validity or enforceability in that jurisdiction of any other provision of this Assignment, or (b) the validity or enforceability in other jurisdictions of that or any other provision of this Assignment.

Signature: 
Name (1) Thomas POEHMERER

Date: 01/11/2016

Signature: 
Name (2) Phillip KUHN

Date: 01/07/2016

Signature: 
Name (3) Frank NOTKA

Date: 11/7/2016

Signature: 
Name (4) Andreas ZEIDLER

Date: 01.10.2016

Signature: 
Name (5) Korbiniian HEIL

Date: 01/07/2016

Signature: 
Name (6) Axel TREFZER

Date: 01/07/2016