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PATENTS ONLY

Atty Ref/Docket No.: 3037.057US1

Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Bert Volkert, André Lehmann

Additional name(s) of conveying party(ies) attached?

[ ] Yes [X] No

3. Nature of conveyance:

- Assignment       Merger
- Security Agreement  Change of Name
- Other

Execution Date: January 24, 2012, January 24, 2012

2. Name and address of receiving party(ies):

Name: Fraunhofer-Gesellschaft zur Förderung der Angewandten Forschung E.V.

Street Address: Hansastrasse 27c

City: München, 80686

Country: Germany

Additional name(s) & address(es) attached? [ ] Yes [X] No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.

Serial No. 13/322,372, filed November 23, 2011

B. Patent No.(s)

Additional numbers attached? [ ] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Monique M. Perdok Shonka

Address:

Schwegman, Lundberg & Woessner, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402--0938

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

Enclosed

Authorized to be charged to deposit account 19-0743

8. Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Monique M. Perdok Shonka/Reg. No. 42,989

Name of Person Signing

Monique M. Perdok Shonka

Signature

February 8, 2012

Date

Total number of pages including cover sheet: 5

Mail documents to be recorded with required cover sheet information to:

**Commissioner of Patents and Trademarks**  
**Mail Stop Assignment Recordation Services**  
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**PATENT**

**REEL: 027690 FRAME: 0285**

**700479822**

CH \$40.00 190743 13322372

Attorney Docket No. 3037.057US1  
Client Ref. No. 119P 2640

### ASSIGNMENT

WHEREAS, We, Bert Volkert, residing at Laehr'scher Jagdweg 70A, Berlin 14167, Germany, and André Lehmann, residing at Erlenhof 28, Potsdam 14478, Germany, made certain new and useful inventions and improvements which are described in an application for U.S. Letters Patent on November 23, 2011, which application was assigned U.S. patent application serial number 13/322,372, and is entitled METHOD FOR PRODUCING POLYSACCHARIDE ESTERS OR POLYSACCHARIDE MIXED ESTERS;

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned do hereby:

SELL, ASSIGN AND TRANSFER to Fraunhofer-Gesellschaft zur Förderung der Angewandten Forschung E.V. (the "Assignee"), a corporation of the Country of Germany, having a place of business at Hansastrasse 27c, München 80686, Germany, the entire right, title and interest for the United States and all foreign countries in and to: any and all inventions and improvements which are disclosed in the identified application for U.S. Letters Patent, and which may be further identified below; such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries on any of such inventions and/or improvements (including any applications for utility models); all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such inventions and/or improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and to claim priority based on the identified application;

AUTHORIZE AND REQUEST that any attorney associated with U.S. PTO Customer No. 21186 may (directly or through his/her designee) delete, insert, or alter any information identifying this application, or any related application, below, after execution of this Assignment;

*Additional Application Information*

*No Provisional claim for priority is being made at this time.*

*No U.S. Non-Provisional claim for priority is being made at this time.*

*Germany Application Serial No. 10 2009 022 805.5, filed on May 27, 2009.*

*PCT Application Serial No. PCT/EP2010/003200, filed on May 26, 2010.*

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

## ASSIGNMENT

Client Ref. No. 119F2640

Assignors: Bert Volkert et al.

Title: METHOD FOR PRODUCING POLYSACCHARIDE ESTERS OR POLYSACCHARIDE MIXED ESTERS

Docket No: 3937.057US1

Serial Number: 13/322,372

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WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and/or 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;

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the undersigned will (1) execute all provisional, non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers; (3) communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for such improvements; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such improvements in the Assignee, or for securing, maintaining and enforcing proper patent protection for such improvements;

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned, and is to extend to the benefit of the successors, assigns and nominees of the Assignee.

AGREED as of the date of my signature below:

## ASSIGNMENT

Client Ref. No. 119P 2640


Assignors, Bert Volkert et al.

Title: METHOD FOR PRODUCING POLYSACCHARIDE ESTERS OR POLYSACCHARIDE MIXED ESTERS

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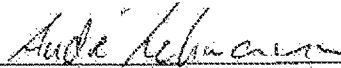
Docket No: 3037.057US1

Serial Number: 13/322,372

IN TESTIMONY WHEREOF, I have hereunto set my hand this 24 day ofJanuary, 2012.

Bert Volkert

On this 24 day of January, 2012 before me personally appeared Bert Volkert, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.



Witness

## ASSIGNMENT

Client Ref. No. 119P2640

Assignors: Bert Volkert et al.

Title: METHOD FOR PRODUCING POLYSACCHARIDE ESTERS OR POLYSACCHARIDE MIXED ESTERS

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Docket No: 3037.057US1

Serial Number: 13/322,372

IN TESTIMONY WHEREOF, I have hereunto set my hand this 24 day of

January, 2012.

André Lehmann

André Lehmann

On this 24 day of January, 2012 before me personally appeared André Lehmann, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

Bert Volkert

Witness