

11-09-2000

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PATENT

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

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- ☒ New
- ☐ Resubmission (Non-Recordation)
- Document ID #
- ☐ Correction of PTO Error
- Reel #                      Frame #
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- Reel #                      Frame #

**Conveyance Type**

- ☒ Assignment
- ☐ License
- ☐ Merger
- ☐ Security Agreement
- ☐ Change of Name
- ☐ Other:

**Conveying Party(ies)**

1. Bernhard VOGEL
2. Alexander SCHULER
3. Konstantin LEDJEFF-HEY, deceased, by his executor, Sylvie HEY
- 4.
- 5.
- 6.

**Execution Date(s)**

April 19, 2000

April 29, 2000

September 26, 2000

☐ Mark if Additional Names of Conveying Parties Attached**Receiving Party**

Name                      FRAUNHOFER-GESELLSCHAFT zur Förderung der angewandten Forschung e.V.

Name

Address                      Leonrodstr. 54

Address

Address                      München                      Germany                      D-80636

City                                      State/Country                      Zip Code

☐ Mark if Additional Names of Receiving Parties Attached**Correspondent Name and Address**

Salim A. Hasan, Reg. No.

Leydig, Voit & Mayer, Ltd.

Two Prudential Plaza, Suite 4900

Chicago, Illinois 60601-6780

Telephone: (312) 616-5600

Facsimile: (312) 616-5700

Attorney Docket No. 202571

**Pages** Enter the total number of pages of the attached conveyance document including any attachments: 6**Application Number(s) or Patent Number(s)**☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

**Patent Application Numbers****Patent Numbers**

09/424,441

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

**Patent Cooperation Treaty (PCT)**Enter PCT application number *only if* a U.S. Application Number has not been assigned.

PCT

PCT

PCT

PCT

PCT

PCT

**Number of Properties**

Enter the total number of properties involved: 1

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$40.00

**Method of Payment:**

- ☒ Enclosed is a check in the amount of \$40.00
- ☐ Charge Deposit Account No. 12-1216

Authorization to Charge Additional Fees to Deposit Account No. 12-1216: ☒ Yes ☐ No**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. Charges to deposit account are authorized, as indicated herein.

Salim A. Hasan, Reg. No. 38,175

Name of Person Signing

Signature

October 19, 2000

Date

PATENT

REEL: 011214 FRAME: 0046

## ASSIGNMENT

WHEREAS, WE,

**Bernhard Vogel**  
~~Ferdinand-Weiß-Str. 90~~ Wiesbadener Str. 14  
~~D-79106, Freiburg, Germany~~ 70372 Stuttgart

**Alexander Schuler**  
Adlerstr. 13,  
D-79098, Freiburg, Germany

have invented and own a certain invention entitled:

### DEVICE FOR REFORMING EDUCTS CONTAINING HYDROCARBONS

for which invention we have executed an application (provisional or non-provisional) for Letters Patent of the United States, which was filed on November 23, 1999, under Serial No. 09/424,441; and

Whereas, **Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.** of Leonrodstr. 54, 80636 München, Germany, (hereinafter referred to as Assignee), is desirous of acquiring our entire domestic right, title, and interest in the United States in and under the invention described in the application for Letters Patent.

**NOW, THEREFORE**, for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, we assign and transfer to the Assignee and the Assignee's legal representatives, successors and assigns our full and exclusive rights in and to the invention in the United States and our entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, renewals, and extensions) that may be filed in the United States on the invention, and the patents or extensions thereof that may issue thereon, and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue United States patents to the above-mentioned Assignee agreeably with the terms of this assignment document.

**WE HEREBY AUTHORIZE** the Assignee to insert in this assignment document the filing date and serial number of the application if the date and number are unavailable at the time this document is executed.

WE HEREBY COVENANT and agree with the Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, renewal, or extended patents of the United States on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

IN WITNESS WHEREOF, we have hereunder set our hands on the dates shown below.

Date: 15. 4. 2000

Bernhard Vogel  
Bernhard Vogel

Date: 15. 4. 2000

Angelika Vogel  
Witness

Date: 15. 4. 2000

Guido Fiedl  
Witness

=====

Date: \_\_\_\_\_

\_\_\_\_\_  
Alexander Schuler

Date: \_\_\_\_\_

\_\_\_\_\_  
Witness

Date: \_\_\_\_\_

\_\_\_\_\_  
Witness

=====

## ASSIGNMENT

WHEREAS, WE,

**Bernhard Vogel**  
Ferdinand-Weiß-Str. 90  
D-79106, Freiburg, Germany

**Alexander Schuler**  
Adlerstr. 13,  
D-79098, Freiburg, Germany

have invented and own a certain invention entitled:

### DEVICE FOR REFORMING EDUCTS CONTAINING HYDROCARBONS

for which invention we have executed an application (provisional or non-provisional) for Letters Patent of the United States, which was filed on November 23, 1999, under Serial No. 09/424,441; and

Whereas, **Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.** of Leonrodstr. 54, 80636 München, Germany, (hereinafter referred to as Assignee), is desirous of acquiring our entire domestic right, title, and interest in the United States in and under the invention described in the application for Letters Patent.

**NOW, THEREFORE**, for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, we assign and transfer to the Assignee and the Assignee's legal representatives, successors and assigns our full and exclusive rights in and to the invention in the United States and our entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, renewals, and extensions) that may be filed in the United States on the invention, and the patents or extensions thereof that may issue thereon, and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue United States patents to the above-mentioned Assignee agreeably with the terms of this assignment document.

**WE HEREBY AUTHORIZE** the Assignee to insert in this assignment document the filing date and serial number of the application if the date and number are unavailable at the time this document is executed.

WE HEREBY COVENANT and agree with the Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, renewal, or extended patents of the United States on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

IN WITNESS WHEREOF, we have hereunder set our hands on the dates shown below.

Date: \_\_\_\_\_  
Bernhard Vogel

Date: \_\_\_\_\_  
Witness

Date: \_\_\_\_\_  
Witness

=====

Date: 29.4.2000  
Alexander Schuler

Date: 29.04.2000  
Witness

Date: 29.4.2000  
Witness

=====

## ASSIGNMENT

WHEREAS, THE LATE KONSTANTIN LEDJEFF-HEY co-invented a certain invention entitled:

### DEVICE FOR REFORMING EDUCTS CONTAINING HYDROCARBONS

for which I, Sylvie Hey of Lina-Kromer-Str. 23, D-79379 Müllheim, Germany, have executed an application (provisional or non-provisional) for Letters Patent of the United States as the legal representative of the late Konstantin Ledjeff-Hey, which application was filed on November 23, 1999, under Serial No. 09/424,441; and

Whereas, **Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.** of Leonrodstr. 54, 80636 München, Germany, (hereinafter referred to as Assignee), is desirous of acquiring the late Konstantin Ledjeff-Hey's entire domestic right, title, and interest in the United States in and under the invention described in the application for Letters Patent.

NOW, THEREFORE, for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, I, Sylvie Hey legal representative of the late Konstantin Ledjeff-Hey, assign and transfer to the Assignee and the Assignee's legal representatives, successors and assigns the late Konstantin Ledjeff-Hey's full and exclusive rights in and to the invention in the United States and the late Konstantin Ledjeff-Hey's entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, renewals, and extensions) that may be filed in the United States on the invention, and the patents or extensions thereof that may issue thereon, and I, Sylvie Hey as legal representative of the late Konstantin Ledjeff-Hey, do hereby authorize and request the Commissioner of Patents and Trademarks to issue United States patents to the above-mentioned Assignee agreeably with the terms of this assignment document.

I, SYLVIE HEY AS LEGAL REPRESENTATIVE OF THE LATE KONSTANTIN LEDJEFF-HEY, HEREBY AUTHORIZE the Assignee to insert in this assignment document the filing date and serial number of the application if the date and number are unavailable at the time this document is executed.

I, SYLVIE HEY LEGAL REPRESENTATIVE OF THE LATE KONSTANTIN LEDJEFF-HEY, HEREBY COVENANT and agree with the Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, renewal, or extended patents of the United States on the invention, and in enforcing any rights or chooses in action accruing as a result of such applications or patents, and by executing

statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

IN WITNESS WHEREOF, I have hereunder set my hand on the dates shown below.

Date: 26/09/2000

Sylvie Hey

Date: 26/09/00

Witness

Date: 26/09/2000

Witness