

10-22-2002



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PATENT

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10-16-02

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Conveying Party(ies)

Mark if additional names of conveying parties attached

Table with columns for Name and Execution Date (Month, Day, Year). Entries include Jens Fittkau, Johannes Seiwert, and Christiane Gottschalk.

Receiving Party

Mark if additional names of receiving parties attached

Receiving Party form with fields for Name (line 1, 2), Address (line 1, 2), and Address (line 3) including City, State/Country, and Zip Code.

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Mail documents to be recorded with required cover sheet(s) information to: Box Assignment, Director of the United States Patent and Trademark Office, Washington, D.C. 20231

PATENT REEL: 013393 FRAME: 0231

Correspondent Name and Address

Area Code and Telephone Number []

Name Patent Administrator

Address (line 1) Testa, Hurwitz & Thibault, LLP

Address (line 2) High Street Tower

Address (line 3) 125 High Street

Address (line 4) Boston, MA 02110

Pages Enter the total number of pages of the attached conveyance document including any attachments. 4

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 Number(s)

Patent Number(s)

Table with 6 columns for application and patent numbers. First cell contains 10/133,237.

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned. PCT [] PCT [] PCT []

Number of Properties Enter the total number of properties involved. # []

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

Method of Payment: Enclosed [x] Deposit Account []

Deposit Account (Enter for payment by deposit account or if additional fees can be charged to the account) Deposit Account Number # 20-0531

Authorization to charge additional fees: Yes [x] 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.

Jamie H. Rose
Name of Person Signing

[Handwritten Signature]
Signature

10/10/02
Date

ASSIGNMENT

WHEREAS, We, Jens Fittkau, Johannes Seiwert, and Christiane Gottschalk, have invented one or more improvements in:

Ozonated Water Flow and Concentration Control Apparatus and Method

described in an application (or provisional application) for Letters Patent of the United States:

identified by Attorney Docket No. _____, and/or executed by us of even date herewith and about to be filed in the United States Patent Office;

Serial No. 10/133,237, filed in the United States Patent Office on April 26, 2002; and

WHEREAS, Applied Science and Technology, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Delaware, and having a usual place of business at 90 Industrial Way, Wilmington, Massachusetts 01887, desires to acquire an interest therein, in accordance with agreements duly entered into with us;


NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the inventions described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon or claim priority under international convention, including but not limited to continuations, divisionals, reissues, and reexaminations of said application or such Letters Patent; said inventions, applications and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all of our rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said inventions, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all Letters Patent to ASSIGNEE for its own name as assignee of our entire right, title and interest therein.

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including: the execution of applications for patents in foreign countries; the execution of substitution, reissue, divisional or continuation applications; and preliminary or other statements or the giving of testimony in any interference or other proceeding in which said inventions or any application or patent directed thereto may be involved; and we further hereby authorize ASSIGNEE or its attorneys or agents to insert the correct serial number and filing date into this assignment, if none is indicated on that date of our execution of this assignment;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

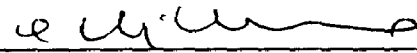
Urkundenrolle Nr. 553/2002

Inventor: 
Jens Fittkau
born 08.03.1967
address: Pichelsdorfer Str. 112,
Berlin 13595

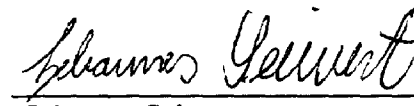
Country of Germany)
County of Berlin) ss

WITNESSED before me, by the above-named Jens Fittkau, this 02 day of August, 2002.



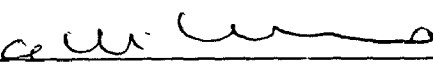

Witness Signature
Dr. Günter Willma, Notary Public
Printed Witness Name

Country of Germany)
County of Berlin) ss

Inventor: 
Johannes Seiwert
born 30.05.1957
address: Hochstr. 13
Berlin 13357

WITNESSED before me, by the above-named Johannes Seiwert, this 02 day of August, 2002.




Witness Signature
Dr. Günter Willma, Notary Public
Printed Witness Name

Country of Germany)
County of Berlin) ss

Inventor: _____
Christiane Gottschalk

WITNESSED before me, by the above-named Christiane Gottschalk, this _____ day of _____, 2002.

Witness Signature

Printed Witness Name

ASSIGNMENT

WHEREAS, We, Jens Fittkau, Johannes Seiwert, and Christiane Gottschalk, have invented one or more improvements in:

Ozonated Water Flow and Concentration Control Apparatus and Method

described in an application (or provisional application) for Letters Patent of the United States:

identified by Attorney Docket No. _____, and/or executed by us of even date herewith and about to be filed in the United States Patent Office;

Serial No. 10/133,237, filed in the United States Patent Office on April 26, 2002; and

WHEREAS, Applied Science and Technology, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Delaware, and having a usual place of business at 90 Industrial Way, Wilmington, Massachusetts 01887, desires to acquire an interest therein, in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the inventions described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon or claim priority under international convention, including but not limited to continuations, divisionals, reissues, and reexaminations of said application or such Letters Patent; said inventions, applications and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all of our rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said inventions, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all Letters Patent to ASSIGNEE for its own name as assignee of our entire right, title and interest therein.

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including: the execution of applications for patents in foreign countries; the execution of substitution, reissue, divisional or continuation applications; and preliminary or other statements or the giving of testimony in any interference or other proceeding in which said inventions or any application or patent directed thereto may be involved; and we further hereby authorize ASSIGNEE or its attorneys or agents to insert the correct serial number and filing date into this assignment, if none is indicated on that date of our execution of this assignment;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor: _____
Jens Fittkau

Country of Germany)
County of) ss

WITNESSED before me, by the above-named Jens Fittkau, this _____ day of _____, 2002.

Witness Signature

Printed Witness Name

Inventor: _____
Johannes Seiwert

Country of Germany)
County of) ss

WITNESSED before me, by the above-named Johannes Seiwert, this _____ day of _____, 2002.

Witness Signature

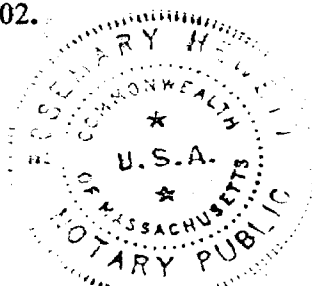
Printed Witness Name

Inventor: C. Gottschalk
Christiane Gottschalk

Country of United States)
County of Middlesex) ss

WITNESSED before me, by the above-named Christiane Gottschalk, this 5th day of August, 2002.

RECORDED 10, 2008



Rosemary Hewett
Witness Signature
ROSEMARY HEWETT
Printed Witness Name