

HODMAVHODMAVManage:329892;1

11-13-2002

Docket No.: 0100.2016-000

RECO



HEET

To the Honorable Commissioner of Patents

102277116

original documents or copy thereof.

1. Name of conveying party(ies)

Paul E. Dressens
Gary S. Aash
Allen J. Bartlett
Bruce R. Andeen
Y. Roberto Than
Joseph Choppy, Jr.

2. Name and address of receiving party(ies)

Name: Helix Technology Corporation

Internal Address: Mansfield Corporate Center

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

MRD 8.2.02

☐ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name

☒ Other Corrective Document, Reel 012392, Frames 0518-0528

Execution Date: 1) 11-05-01, 2) 10-29-01, 3) 10-29-01, 4) 10-29-01, 5) 10-30-01, 6) 10-31-01.

Street Address: Nine Hampshire Street

City: Mansfield State: MA

ZIP: 02048

Additional name(s) & address(es) attached? ☐ Yes ☒ 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.(s)

09/909,863

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: James M. Smith

Internal Address:

Hamilton, Brook, Smith & Reynolds, P.C.

Street Address: 530 Virginia Road, P.O. Box 9133

City: Concord State: MA ZIP: 01742-9133

6. Total number of applications and patents involved: [1]

7. Total Fee (37 C.F.R. 3.41)..... \$ 40.00

☒ Enclosed
☒ Authorized to charge any deficiencies or credit any overpayment to deposit account
☐ Authorized to be charged to deposit account

8. Deposit account number:

08-0380

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

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.

Christopher J. Lutz

Name of Person Signing

Signature

Date

7/30/02

Total number of pages including cover sheet, attachments, and document: [12]

PATENT
REEL: 013241 FRAME: 0246

CORRECTIVE

RECEIVED
2002 AUG 12 PM 7:36
FINANCE SECTION
0171

BODMAW110DMANMANAG127001.1

12-28-2001

Docket No.: 0100.2016-000

RE



SHEET

101927713

To the Honorable Commissioner of Patents and Trademarks

Attached original documents or copy thereof.

1. Name of conveying party(ies)

Paul E. Dresens
Gary S. Ash
Allen J. Bartlett
Bruce R. Andersen
Y. Roberto Tian
Joseph Chopy, Jr.

12/27/01

2. Name and address of receiving party(ies)

Name: Helix Corporation

Internal Address: Mansfield Corporate Center

COPY

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

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

Street Address: Nine Hampshire Street

City: Mansfield State: MA ZIP: 02048-9171

Execution Date: 11-05-01, 10-29-01, 10-29-01, 10-30-01, 10-31-01

Additional name(s) & address(es) attached? ☐ Yes ☒ 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.(s)
09/909,863

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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Street Address: 530 Virginia Road, P.O. Box 9133

City: Concord State: MA ZIP: 01742-9133

6. Total number of applications and patents involved: ☐ 1

7. Total Fee (37 C.F.R. 3.41) \$ 40.00

- ☒ Enclosed
☒ Authorized to charge any deficiencies or credit any overpayment to deposit account
☐ Authorized to be charged to deposit account

8. Deposit account number:

08-0380

(Attach duplicate copy of this page if paying by deposit account)

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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.

Christopher J. Lutz

Name of Person Signing

Signature

11/16/01

Date

Total number of pages including cover sheet, attachments, and document: ☐ 11

12/28/2001 01AM11 00000053 09909053

01 FC:501

40.00 EP

Docket No. 0100.2016-000

Joint

ASSIGNMENT

WHEREAS, we, **Paul E. Dresens, Gary S. Ash, Allen J. Bartlett, Bruce R. Andeen, Y Roberto Than and Joseph Chopy, Jr.** have invented a certain improvement in **Helium Management Control System** described in an application for Letters Patent of the United States, the specification of which:

☐ is being executed on even date herewith and is about to be filed in the United States Patent Office;

☒ was filed on **July 20, 2001** as Application No. 09/909,863;

☐ was patented under U.S. Patent No. ☐ on ☐.

Technology Corporation

WHEREAS, **Helix Corporation** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **State of Delaware**, and having a usual place of business at **Mansfield Corporate Center, Nine Hampshire Street, Mansfield, Massachusetts 02048-9171** 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, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application 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 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 the entire right, title and interest in and to said invention, 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 such Letters Patent to ASSIGNEE for its own name as assignee of the 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, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

-2-

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's Signature: _____

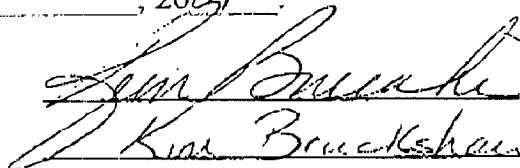


Paul E. Dresens

State ~~Commonwealth~~of MassachusettsCounty of Middlesex

Then personally appeared before me the above-named **Paul E. Dresens** and acknowledged that ~~he~~ she executed the foregoing instrument as his/her free act and deed this 5th day of November, 2001.

(SEAL)

 Notary Public
Kim Bruckshaw (print name)My Commission expires 8/5/2005

-3-

Inventor's Signature: _____

Gary S. Ash

State/Commonwealth _____

of _____

County of _____

Then personally appeared before me the above-named **Gary S. Ash** and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this _____ day of _____, 20____.

(SEAL)

Notary Public_____
(print name)

My Commission expires ____/____/____

Inventor's Signature: _____

Allen J. Bartlett

State/Commonwealth _____

of _____

County of _____

Then personally appeared before me the above-named **Allen J. Bartlett** and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this _____ day of _____, 20____.

(SEAL)

Notary Public_____
(print name)

My Commission expires ____/____/____

-4-

Inventor's Signature: _____

Bruce R. Andeen

State/Commonwealth _____

of _____

County of _____

Then personally appeared before me the above-named **Bruce R. Andeen** and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this _____ day of _____, 20____.

(SEAL)

Notary Public_____
(print name)

My Commission expires ____/____/____

Inventor's Signature: _____

Y. Roberto Than

State/Commonwealth _____

of _____

County of _____

Then personally appeared before me the above-named **Y. Roberto Than** and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this _____ day of _____, 20____.

(SEAL)

Notary Public_____
(print name)

My Commission expires ____/____/____

-5-

Inventor's Signature: _____

Joseph Chopy, Jr.

State/Commonwealth _____

of _____

County of _____

Then personally appeared before me the above-named **Joseph Chopy, Jr.** and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this _____ day of _____, 20_____.

(SEAL)

Notary Public_____
(print name)

My Commission expires ____/____/____

:ODMAWFIQDMAIManage;253815;1

Docket No. 0100,2016-000

Joint

ASSIGNMENT

WHEREAS, we, Paul E. Dresens, Gary S. Ash, Allen J. Bartlett, Bruce R. Andeen, Y Roberto Than and Joseph Chopy, Jr. have invented a certain improvement in Helium Management Control System described in an application for Letters Patent of the United States, the specification of which:

- ☐ is being executed on even date herewith and is about to be filed in the United States Patent Office;
- ☒ was filed on July 20, 2001 as Application No. 09/909,863;
- ☐ was patented under U.S. Patent No. [] on [].

WHEREAS, ^{Technology Corporation}~~Helix Corporation~~ (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Delaware, and having a usual place of business at Mansfield Corporate Center, Nine Hampshire Street, Mansfield, Massachusetts 02048-9171 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, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application 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 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 the entire right, title and interest in and to said invention, 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 such Letters Patent to ASSIGNEE for its own name as assignee of the 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, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

-2-

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's Signature: _____

Paul E. Dresens

State/Commonwealth _____

of _____

County of _____

Then personally appeared before me the above-named Paul E. Dresens and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this _____ day of _____, 20____.

(SEAL)

Notary Public_____
(print name)

My Commission expires ____/____/____

-3-

1/15/02
Inventor's Signature: _____

Gary S. Ash

Gary S. Ash

State/Commonwealth

of Massachusetts

County of Bristol

Then personally appeared before me the above-named Gary S. Ash and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 29th day of October, 2001.

(SEAL)

Deborah M. Wilkins

Notary Public

Deborah M. Wilkins

(print name)

My Commission expires 5/18/2008

AB
7/15/02
Inventor's Signature: _____

Allen J. Bartlett

Allen J. Bartlett

State/Commonwealth

of Massachusetts

County of Bristol

Then personally appeared before me the above-named Allen J. Bartlett and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 29th day of October, 2001.

(SEAL)

Deborah M. Wilkins

Notary Public

Deborah M. Wilkins

(print name)

My Commission expires 5/18/2008

-4-

BRA
7/19/02
Inventor's Signature: _____

Bruce R. Andeen

Bruce R. Andeen

State/Commonwealth

of Massachusetts

County of Bristol

Then personally appeared before me the above-named **Bruce R. Andeen** and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 29 day of October, 2001.

(SEAL)

Deborah M. Wilkins Notary Public

Deborah M. Wilkins (print name)

My Commission expires 5/18/2008

YR
7/19/02
Inventor's Signature: _____

Y. Roberto Than

Y. Roberto Than

State/Commonwealth

of Massachusetts

County of Bristol

Then personally appeared before me the above-named **Y. Roberto Than** and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 30 day of October, 2001.

(SEAL)

Deborah M. Wilkins Notary Public

Deborah M. Wilkins (print name)

My Commission expires 5/18/2008

-5-

Inventor's Signature: _____

Joseph Chopy, Jr.

State/Commonwealth _____

of Massachusetts

County of Bristol

Then personally appeared before me the above-named **Joseph Chopy, Jr.** and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 31st day of October, 2001.

(SEAL)

Deborah M. Wilkins Notary Public

Deborah M. Wilkins (print name)

My Commission expires 10/18/2008

MODMAN/HQD MAN/Manage:253315;1