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U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

INOGEN, INC.

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

## 3. Nature of conveyance:

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

Execution Date: 3/15/05

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

Name: Venture Lending &amp; Leasing IV, Inc.

Internal Address: \_\_\_\_\_

Street Address: 2010 North First Street

City: San Jose State: CA Zip: 95131

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) 10/680,997;  
10/681,456; 10/680,885; 10/681,487

B. Patent No.(s) \_\_\_\_\_

Additional numbers attached? ☒ Yes ☐ No

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

Name: Russell D. Pollock, Esq.

Internal Address: \_\_\_\_\_

Street Address: Greene Radovsky Maloney &amp; Share LLP

Four Embarcadero Center, Suite 4000

City: San Francisco State: CA Zip: 94111

## 6. Total number of applications and patents involved: 9

7. Total fee (37 CFR 3.41).....\$ 360.00

☒ Enclosed☐ Authorized to be charged to deposit account

## 8. Deposit account number:

2005 MAY 20 AM 7:31  
OPR/FINANCE

DO NOT USE THIS SPACE

## 9. Signature.

Jeffrey T. Klugman

Name of Person Signing

Signature

5/17/05

Date

Total number of pages including cover sheet, attachments, and documents: 15

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

Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

05/23/2005 BTCH11

00000110 10680997

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PATENT  
REEL: 016584 FRAME: 0031

Recordation Cover Sheet  
For Inogen, Inc. Patents

Registration/Serial Number

10/962,194  
29/204,891  
29/204,892  
60/577,088  
60/584,044

45596/0874  
3/30/05/MVR/282976.1

**PATENT**  
**REEL: 016584 FRAME: 0032**

## INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Intellectual Property Security Agreement (this "Agreement") is made as of March 15, 2005, by and between INOGEN, INC., a Delaware corporation ("Grantor"), and VENTURE LENDING & LEASING IV, INC., a Maryland corporation ("Secured Party").

### RECITALS

A. Pursuant to a Loan and Security Agreement, dated as of March 15, 2005 (the "Loan Agreement") among Grantor, as borrower, and Secured Party, as lender, Secured Party has agreed to make certain advances of money and to extend certain financial accommodations to Grantor (the "Loans") in the amounts and manner set forth in the Loan Agreement. All capitalized terms used herein without definition shall have the meanings ascribed to them in the Loan Agreement.

B. Secured Party is willing to make the Loans to Grantor, but only upon the condition, among others, that Grantor shall grant to Secured Party a security interest in substantially all of Grantor's personal property whether presently existing or hereafter acquired. To that end, Grantor has executed in favor of Secured Party the Loan Agreement granting a security interest in all Collateral, and is executing this Agreement with respect to certain items of Intellectual Property, in particular.

### NOW, THEREFORE, THE PARTIES HERETO AGREE AS FOLLOWS:

1. Grant of Security Interest. As collateral security for the prompt and complete payment and performance of all of Grantor's present or future Obligations, Grantor hereby grants a security interest to Secured Party, as security, in and to Grantor's entire right, title and interest in, to and under the following Intellectual Property, now owned or hereafter acquired by Grantor or in which Grantor now holds or hereafter acquires any interest (all of which shall collectively be called the "Collateral" for purposes of this Agreement):

(a) Any and all copyrights, whether registered or unregistered, held pursuant to the laws of the United States, any State thereof or of any other country; all registrations, applications and recordings in the United States Copyright Office or in any similar office or agency of the United States, and State thereof or any other country; all continuations, renewals, or extensions thereof; and any registrations to be issued under any pending applications, including without limitation those set forth on Exhibit A attached hereto (collectively, the "Copyrights");

(b) All letters patent of, or rights corresponding thereto in, the United States or any other country, all registrations and recordings thereof, and all applications for letters patent of, or rights corresponding thereto in, the United States or any other country, including, without limitation, registrations, recordings and applications in the United States Patent and Trademark Office or in any similar office or agency of the United States, any State thereof or any other country; all reissues, continuations, continuations-in-part or extensions thereof; all petty patents, divisionals, and patents of addition; and all patents to be issued under any such applications, including without limitation the patents and patent applications set forth on Exhibit B attached hereto (collectively, the "Patents");

(c) All trademarks, trade names, corporate names, business names, trade styles, service marks, logos, other source or business identifiers, prints and labels on which any of the foregoing have appeared or appear, designs and general intangibles of like nature, now existing or hereafter adopted or acquired, all registrations and recordings thereof, and any applications in connection therewith, including, without limitation, registrations, recordings and applications in the United States Patent and Trademark Office or in any similar office or agency of the United States, any State thereof or any other country or any political subdivision thereof, and reissues, extensions or renewals thereof, and the entire goodwill of the business of Grantor connected with and symbolized by such trademarks, including without limitation those set forth on Exhibit C attached hereto (collectively, the "Trademarks");

(d) Any and all claims for damages by way of past, present and future infringement of any of the rights included above, with the right, but not the obligation, to sue for and collect such damages for said use or infringement of the intellectual property rights identified above;

(e) All licenses or other rights to use any of the Copyrights, Patents or Trademarks, and all license fees and royalties arising from such use to the extent permitted by such license or rights;

(f) All amendments, renewals and extensions of any of the Copyrights, Trademarks or Patents; and

(g) All proceeds and products of the foregoing, including without limitation all payments under insurance or any indemnity or warranty payable in respect of any of the foregoing.

Notwithstanding the foregoing the term "Collateral" shall not include: (a) "intent-to-use" trademarks at all times prior to the first use thereof, whether by the actual use thereof in commerce, the recording of a statement of use with the United States Patent and Trademark Office or otherwise, but only to the extent the granting of a security interest in such "intent to use" trademarks would be contrary to applicable law or (b) any contract, instrument or chattel paper in which Grantor has any right, title or interest if and to the extent such contract, instrument or chattel paper includes a provision containing a restriction on assignment such that the creation of a security interest in the right, title or interest of Grantor therein would be prohibited and would, in and of itself, cause or result in a default thereunder enabling another person party to such contract, instrument or chattel paper to enforce any remedy with respect thereto; provided, however, that the foregoing exclusion shall not apply if (i) such prohibition has been waived or such other person has otherwise consented to the creation hereunder of a security interest in such contract, instrument or chattel paper, or (ii) such prohibition would be rendered ineffective pursuant to Sections 9-407(a) or 9-408(a) of the UCC, as applicable and as then in effect in any relevant jurisdiction, or any other applicable law (including the Bankruptcy Code) or principles of equity; provided further that immediately upon the ineffectiveness, lapse or termination of any such provision, the term "Collateral" shall include, and Grantor shall be deemed to have granted a security interest in, all its rights, title and interests in and to such contract, instrument or chattel paper as if such provision had never been in effect; and provided further that the foregoing exclusion shall in no way be construed so as to limit, impair or otherwise affect Secured Party's unconditional continuing security interest in and to all rights, title and interests of Grantor in or to any payment obligations or other rights to receive monies due or to become due under any such contract, instrument or chattel paper and in any such monies and other proceeds of such contract, instrument or chattel paper.

2. Covenants and Warranties. Grantor represents, warrants, covenants and agrees as follows:

(a) Grantor is now the sole owner of the Collateral, except for non-exclusive licenses granted by Grantor to its customers in the ordinary course of business;

(b) During the term of this Agreement, Grantor will not transfer or otherwise encumber any interest in the Collateral, except for non-exclusive licenses granted by Grantor in the ordinary course of business or as set forth in this Agreement;

(c) To its knowledge, each of the Patents is valid and enforceable, and no part of the Collateral has been judged invalid or unenforceable, in whole or in part, and no claim has been made that any part of the Collateral violates the rights of any third party;

(d) Grantor shall deliver to Secured Party within thirty (30) days of the last day of each fiscal quarter, a report signed by Grantor, in form reasonably acceptable to Secured Party, listing any applications or registrations that Grantor has made or filed in respect of any patents, copyrights or trademarks and the status of any outstanding applications or registrations. Grantor shall promptly advise Secured Party of any material change in the composition of the Collateral, including but not limited to any subsequent ownership right of the Grantor in or to any Trademark, Patent or Copyright not specified in this Agreement;

(e) Grantor shall use reasonable commercial efforts to (i) protect, defend and maintain the validity and enforceability of the Trademarks, Patents and Copyrights (ii) detect infringements of the Trademarks, Patents and Copyrights and promptly advise Secured Party in writing of material infringements detected and (iii) not allow any material Trademarks, Patents or Copyrights to be abandoned, forfeited or dedicated to the public without the written consent of Secured Party, which consent shall not be unreasonably withheld;

(f) Grantor shall apply for registration (to the extent not already registered) with the United States Patent and Trademark Office or the United States Copyright Office, as applicable: (i) those intellectual property rights listed on Exhibits A, B and C hereto within thirty (30) days of the date of this Agreement; and (ii) those additional intellectual property rights developed or acquired by Grantor from time to time in connection with any product or service, prior to the sale or licensing of such product or the rendering of such service to any third party (including without limitation revisions or additions to the intellectual property rights listed on such Exhibits A, B and C), except with respect to such rights that Grantor determines in its sole but reasonable commercial judgment need not be registered to protect its own business interests. Grantor shall, from time to time, execute and file such other instruments, and take such further actions as Secured Party may reasonably request from time to time to perfect or continue the perfection of Secured Party's interest in the Collateral. Grantor shall give Secured Party notice of all such applications or registrations; and

(g) Grantor shall not enter into any agreement that would materially impair or conflict with Grantor's obligations hereunder without Secured Party's prior written consent, which consent shall not be unreasonably withheld. Grantor shall not permit the inclusion in any material contract to which it becomes a party of any provisions that could or might in any way prevent the creation of a security interest in Grantor's rights and interests in any property included within the definition of the Collateral acquired under such contracts.

3. Further Assurances; Attorney in Fact.

(a) On a continuing basis, Grantor will make, execute, acknowledge and deliver, and file and record in the proper filing and recording places in the United States, all such instruments, including appropriate financing and continuation statements and collateral agreements and filings with the United States Patent and Trademark Office and the Register of Copyrights, and take all such action as may reasonably be deemed necessary or advisable, or as reasonably requested by Secured Party, to perfect Secured Party's security interest in all Copyrights, Patents and Trademarks and otherwise to carry out the intent and purposes of this Agreement, or for assuring and confirming to Secured Party the grant or perfection of a security interest in all Collateral.

(b) Grantor hereby irrevocably appoints Secured Party as Grantor's attorney-in-fact, with full authority in the place and stead of Grantor and in the name of Grantor, from time to time in Secured Party's discretion, upon Grantor's failure or inability to do so, to take any action and to execute any instrument which Secured Party may reasonably deem necessary or advisable to accomplish the purposes of this Agreement, including (i) to modify, in its sole discretion, this Agreement without first obtaining Grantor's approval of or signature to such modification solely for the purpose of amending Exhibits A, B and C, hereof, as appropriate, to include reference to any right, title or interest in any Copyrights, Patents or Trademarks acquired by Grantor after the execution hereof or to delete any reference to any right, title or interest in any Copyrights, Patents or Trademarks in which Grantor no longer has or claims any right, title or interest, (ii) to file, in its reasonable discretion, one or more financing or continuation statements and amendments thereto, relative to any of the Collateral without the signature of Grantor where permitted by law, and (iii) after the occurrence of an Event of Default, to transfer the Collateral into the name of Secured Party or a third party to the extent permitted under the UCC.

4. Events of Default. The occurrence of any of the following shall constitute an Event of Default under this Agreement:

(a) An Event of Default under the Loan Agreement; or

(b) Grantor breaches any warranty or agreement made by Grantor in this Agreement and, as to any breach that is capable of cure, Grantor fails to cure such breach within thirty (30) days of the sooner to occur

of Grantor's receipt of notice of such breach from Secured Party or the date on which such breach first becomes known to Grantor.

5. Termination. Upon the payment in full of the Obligations and satisfaction of all Borrower's obligations under the Loan Agreement and the other Loan Documents (except for any Warrants), and if Lender has no further obligations under its Commitment, the security interest granted hereby shall terminate. Upon any such termination, the Lender shall, at Borrower's expense, execute and deliver to Borrower such documents as Borrower shall reasonably request to evidence such termination

6. Amendments. This Agreement may be amended only by a written instrument signed by both parties hereto, except for amendments permitted under Section 3 hereof to be made by Secured Party alone.

7. Counterparts. This Agreement may be executed in two or more counterparts, each of which shall be deemed an original but all of which together shall constitute the same instrument.

*[Signature Page Follows.]*

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the day and year first above written.

GRANTOR:

Address of Grantor:

INOGEN, INC.

120 Cremona Drive, Suite B  
Goleta, CA 93117  
Attn: Chief Financial Officer

By: Michael Rodas  
Name: MICHAEL RODAS  
Its: CFO

SECURED PARTY:

Address of Secured Party:

VENTURE LENDING & LEASING IV, INC.

2010 North First Street, Suite 310  
San Jose, CA 95131  
Attn: President

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Its: \_\_\_\_\_

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the day and year first above written.

GRANTOR:

Address of Grantor:

INOGEN, INC.

120 Cremona Drive, Suite B  
Goleta, CA 93117  
Attn: Chief Financial Officer

By: \_\_\_\_\_

Name: \_\_\_\_\_


Its: \_\_\_\_\_

SECURED PARTY:

Address of Secured Party:

VENTURE LENDING & LEASING IV, INC.

2010 North First Street, Suite 310  
San Jose, CA 95131  
Attn: President

By:  \_\_\_\_\_

Name: Salvador O. Gutierrez

Its: President



EXHIBIT A

Copyrights

NONE.

**EXHIBIT B****Patents**

<u>Description</u>	<u>Registration/Serial Number</u>	<u>Registration/Application Date</u>
Portable Gas Fractionalization System	APPL No. 10/680,997 / PTO confirmation no. 6648	7-Oct-03
Portable Gas Fractionalization System	APPL No. 10/681,456 / PTO confirmation no. 4632	7-Oct-03
Portable Gas Fractionalization System	APPL No. 10/680,885 / PTO confirmation no. 6432	7-Oct-03
Portable Gas Fractionalization System	APPL No. 10/681,487 / PTO confirmation no. 5894	7-Oct-03
Portable Gas Fractionalization System	APPL No. 10/962,194 / PTO confirmation # not established yet	7-Oct-04
Portable Oxygen Concentrator	APPL No. 29/204,891 / PTO confirmation # not established yet	4-May-04
	APPL No. 29/204,892 /	4-May-04
Mobility Cart for Transporting Oxygen Concentrators and Accessories	PTO confirmation # not established yet	4-Jun-04
Therapeutic Breathing Gas System Effective During Sleep	APPL No. 60/577088 / PTO confirmation # not established yet	28-Jun-04
Conserver Design for a Therapeutic Gas System	APPL No. 60/584,044 / PTO confirmation # not established yet	11-Nov-04
A Satellite Conserver for Therapeutic Gas Systems	APPL No. Not issued yet PTO confirmation # not established yet	
Compressor Speed Loop	APPL No. Not issued yet PTO confirmation # not established yet	approx 1/15/2005 (waiting for confirmation from PTO)

Trademarks

U.S. Trademarks

Registrations

U.S. Trademark Registration No. 2,919,942  
Mark: **INOGEN**  
Filed/Registered: April 28, 2003/January 18, 2005  
Intl Class: 010

U.S. Trademark Registration No. 2,921,770  
Mark: **INOGEN ONE**  
Filed: September 16, 2003/January 25, 2005  
Intl Class: 010

Pending Applications:

U.S. Trademark Application No. 78/300,679  
Mark: **SATELLITE CONSERVER**  
Filed: September 15, 2003  
Intl Class: 005

U.S. Trademark Application No. 78/474,022  
Mark: **O (stylized)**  
Filed: August 26, 2004  
Intl Class: 010

Foreign Trademarks

Registered Marks

Australia Trademark Registration No. 998788  
Mark: **INOGEN**  
Filing/Registration Date: April 21, 2004  
Intl Class: 010

Japan Trademark Registration No. 4798168  
Mark: **INOGEN**  
Filed/Registered: October 28, 2003 (*claims priority to corresponding US application*)/August 27, 2004  
Intl Class: 010

New Zealand Trademark Registration No. 711285  
Mark: **INOGEN**  
Filing/Registration Date: *April 21, 2004*  
Intl Class: 010

Australia Trademark Registration No. 993592  
Mark: **INOGEN ONE**  
Filing/Registration Date: March 16, 2004  
Intl Class: 010

Chile Trademark Registration No. 704.076

Mark: **INOGEN ONE**

Filed/Registered: March 15, 2004 (*claims priority to corresponding US application*)/September 23, 2004

Intl Class: 010

Japan Trademark Registration No. 4783942

Mark: **INOGEN ONE**

Filed/Registered: February 18, 2004 (*claims priority to corresponding US application*)/July 2, 2004

Intl Class: 010

New Zealand Trademark Registration No. 709759

Mark: **INOGEN ONE**

Filed: March 15, 2004 (*claims priority to corresponding US application*)/September 16, 2003

Intl Class: 010

Australia Trademark Registration No. 993396

Mark: **SATELLITE CONSERVER**

Filed: March 15, 2004 (*claims priority to corresponding US application*)

Intl Class: 010

Chile Trademark Registration No. 704.077

Mark: **SATELLITE CONSERVER**

Filed/Registered: March 15, 2004 (*claims priority to corresponding US application*)/September 23, 2004

Intl Class: 010

#### **Foreign Trademarks (cont.)**

##### **Pending Applications:**

Brazil Trademark Application No. 826.430.929

Mark: **INOGEN**

Filing Date: April 22, 2004

Intl Class: 010

Canada Trademark Application No. 1206429

Mark: **INOGEN**

Filed: February 13, 2004

Intl Class: 010

Chile Trademark Application No. 647.688

Mark: **INOGEN**

Filing Date: June 18, 2004

Intl Class: 010

China Trademark Application No. 4040336

Mark: **INOGEN**

Filing Date: April 27, 2004

Intl Class: 010

EU (CTM) Trademark Application No. 3437076

Mark: **INOGEN**

Filed: October 23, 2003 (*claims priority to corresponding US application*)

Intl Class: 010

Mexico Trademark Application No. 646866

Mark: INOGEN  
Filed: March 15, 2004  
Intl Class: 010

South Korea Trademark Application No. 2004-17647

Mark: INOGEN  
Filed: April 20, 2004  
Intl Class: 010

Brazil Trademark Application No. 826.313.027

Mark: INOGEN ONE  
Filing Date: March 12, 2004 (*claims priority to corresponding US application*)  
Intl Class: 010

Canada Trademark Application No. 1206381

Mark: INOGEN ONE  
Filed: February 13, 2004 (*claims priority to corresponding US application*)  
Intl Class: 010

**Foreign Trademarks (cont.)**

**Pending Applications (cont.):**

China Trademark Application No. 3958391

Mark: **INOGEN ONE**

Filing Date: March 16, 2004 (*claims priority to corresponding US application*)

Intl Class: 010

European Community (CTM) Trademark Application No. 003668316

Mark: **INOGEN ONE**

Filed: February 18, 2004 (*claims priority to corresponding US application*)

Intl Class: 010

Mexico Trademark Application No. 646864

Mark: **INOGEN ONE**

Filed: March 15, 2004 (*claims priority to corresponding US application*)

Intl Class: 010

South Korea Trademark Application No. 2004011520

Mark: **INOGEN ONE**

Filed: March 15, 2004 (*claims priority to corresponding US application*)

Intl Class: 010

Brazil Trademark Application No. 826.313.035

Mark: **SATELLITE CONSERVER**

Filing Date: March 12, 2004 (*claims priority to corresponding US application*)

Intl Class: 010

Canada Trademark Application No. 1206382

Mark: **SATELLITE CONSERVER**

Filed: February 13, 2004 (*claims priority to corresponding US application*)

Intl Class: 010

China Trademark Application No. 3958390

Mark: **SATELLITE CONSERVER**

Filing Date: March 15, 2004 (*claims priority to corresponding US application*)

Intl Class: 010

European Community (CTM) Trademark Application No. 003668365

Mark: **SATELLITE CONSERVER**

Filing Date: February 18, 2004 (*claims priority to corresponding US application*)

Intl Class: 010

Japan Trademark Application No. 2004-12725

Mark: **SATELLITE CONSERVER**

Filed: February 13, 2004 (*claims priority to corresponding US application*)

Intl Class: 010

**Foreign Trademarks (cont.)**

**Pending Applications (cont.):**

South Korea Trademark Application No. 20040011521

Mark: **SATELLITE CONSERVER**

Filed: March 15, 2004 (*claims priority to corresponding US application*)

Intl Class: 010

Mexico Trademark Application No. 646865

Mark: **SATELLITE CONSERVER**

Filed: March 15, 2004 (*claims priority to corresponding US application*)

Intl Class: 010

New Zealand Trademark Application No. 709598

Mark: **SATELLITE CONSERVER**

Filed: March 15, 2004 (*claims priority to corresponding US application*)

Intl Class: 005