

PATENT ASSIGNMENT COVER SHEET

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|-----------------------|--------------------|
| SUBMISSION TYPE:      | NEW ASSIGNMENT     |
| NATURE OF CONVEYANCE: | SECURITY AGREEMENT |

CONVEYING PARTY DATA

| Name                    | Execution Date |
|-------------------------|----------------|
| GEVO, INC. (AS GRANTOR) | 12/11/2013     |

RECEIVING PARTY DATA

|                 |                                      |
|-----------------|--------------------------------------|
| Name:           | TRIPLEPOINT CAPITAL LLC (AS GRANTEE) |
| Street Address: | 2755 SAND HILL ROAD, SUITE 150       |
| City:           | MENLO PARK                           |
| State/Country:  | CALIFORNIA                           |
| Postal Code:    | 94025                                |

PROPERTY NUMBERS Total: 58

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 11383743 |
| Application Number: | 11383748 |
| Application Number: | 11383750 |
| Application Number: | 11680685 |
| Application Number: | 11795659 |
| Application Number: | 11881748 |
| Application Number: | 11949724 |
| Application Number: | 11963542 |
| Application Number: | 12106173 |
| Application Number: | 12209127 |
| Application Number: | 12240864 |
| Application Number: | 12263436 |
| Application Number: | 12263442 |
| Application Number: | 12327723 |
| Application Number: | 12342992 |

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| Application Number: | 12343375 |
| Application Number: | 12371557 |
| Application Number: | 12408647 |
| Application Number: | 12610784 |
| Application Number: | 12696645 |
| Application Number: | 12711919 |
| Application Number: | 12820505 |
| Application Number: | 12824050 |
| Application Number: | 12855276 |
| Application Number: | 12899285 |
| Application Number: | 12904947 |
| Application Number: | 12953884 |
| Application Number: | 12986918 |
| Application Number: | 13025801 |
| Application Number: | 13074907 |
| Application Number: | 13076284 |
| Application Number: | 13077170 |
| Application Number: | 13095255 |
| Application Number: | 13103812 |
| Application Number: | 13141648 |
| Application Number: | 13176452 |
| Application Number: | 13228342 |
| Application Number: | 13229438 |
| Application Number: | 13246693 |
| Application Number: | 13246718 |
| Application Number: | 13267771 |
| Application Number: | 13269457 |
| Application Number: | 13269937 |
| Application Number: | 13271084 |
| Application Number: | 13279166 |
| Application Number: | 13286741 |
| Application Number: | 13344460 |
| Application Number: | 13344464 |
| Application Number: | 13441459 |
| Application Number: | 13441468 |

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|                     | 13451026 |
| Application Number: | 13528106 |
| Application Number: | 13557066 |
| Application Number: | 13586599 |
| Application Number: | 13667721 |
| Application Number: | 13859903 |
| Application Number: | 13902119 |
| Application Number: | 13907394 |

**CORRESPONDENCE DATA**

Fax Number: (310)277-4730  
Phone: (310) 284-6133  
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*Correspondence will be sent via US Mail when the email attempt is unsuccessful.*  
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Address Line 1: MCDERMOTT WILL & EMERY LLP  
Address Line 2: 2049 CENTURY PARK EAST, SUITE 3800  
Address Line 4: LOS ANGELES, CALIFORNIA 90067

|                         |                     |
|-------------------------|---------------------|
| ATTORNEY DOCKET NUMBER: | 082853-0036         |
| NAME OF SUBMITTER:      | GARY B. ROSENBAUM   |
| Signature:              | /Gary B. Rosenbaum/ |
| Date:                   | 12/18/2013          |

**Total Attachments: 16**

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## PLAIN ENGLISH INTELLECTUAL PROPERTY SECURITY AGREEMENT

This is a **Plain English Intellectual Property Security Agreement** dated December 11, 2013 (this “**Agreement**”), by and between TRIPLEPOINT CAPITAL LLC, a Delaware limited liability company, and GEVO, INC., a Delaware corporation (“**Gevo**”).

The words “**We**”, “**Us**”, or “**Our**”, refer to the grantee, which is TriplePoint Capital LLC. The words “**You**” or “**Your**” refers to the grantor, which is Gevo and not any individual. The words “**the Parties**” refers to both TriplePoint Capital LLC and Gevo.

The Parties have entered into that certain Fourth Amendment to Plain English Security Agreement dated as of the date hereof (the “**Fourth Amendment**”), and it is a condition to the effectiveness of the Fourth Amendment that Gevo grant to Us a lien on and a security interest (subject only to Permitted Liens) in the below-defined Intellectual Property Collateral.

In consideration for the mutual covenants and agreements contained in the Fourth Amendment and the Guaranty (as defined below) and this Agreement, and for other good and valuable consideration, the receipt and sufficiency of which are acknowledged, the Parties agree as follows:

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### 1. GRANT OF SECURITY INTEREST IN INTELLECTUAL PROPERTY

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You grant to Us a lien upon and continuing security interest in (subject only to Permitted Liens) all of Your right, title, and interest in, to and under all of the following (all of the following items of property collectively will be referred to as the “**Intellectual Property Collateral**”), whether now existing or hereafter arising or acquired:

- ⇒ All registered Intellectual Property listed on **Schedules A, B and C** hereto, other than any intent-to-use trademark applications unless and until a statement of use or amendment to allege use is filed and accepted by the United States Patent and Trademark Office or any other filing is made or circumstances otherwise change so that the interests of Gevo in such trademarks are no longer on an “intent-to-use” basis, at which time such trademarks shall automatically and without further action by the parties be subject to the security interest granted by Gevo to Us hereunder, and
- ⇒ any and all Proceeds of the foregoing. Notwithstanding anything contained in this Agreement to the contrary, the term “Intellectual Property Collateral” shall not include any assets or property that are excluded from the definition of Collateral by operation of the last paragraph of Section 2 of the Security Agreement.

You represent and warrant to Us that, as of the date hereof, Schedules A, B, and C attached hereto set forth any and all Intellectual Property that You have registered or filed an application with either the United States Patent and Trademark Office or the United States Copyright Office, as applicable.

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### 2. LOAN AGREEMENT

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The security interest that is granted pursuant to this Agreement secures the Secured Obligations whether now existing or arising hereafter. All the capitalized terms used but not otherwise defined are used in this Agreement with the same meaning as defined in that certain Plain English Continuing Guaranty dated as of September 22, 2010, between You and Us, as amended by that certain Reaffirmation and Consent of Guarantor and First Amendment to Plain English Continuing Guaranty dated as of September 22, 2010, between You and Us (as may be further amended, modified, revised, supplemented, extended, restated or replaced from time to time, collectively, the “**Guaranty**”).

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### 3. OUR RIGHT TO SUE

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DM\_US 46910123-8.082853.0036

Upon the occurrence and during the continuance of an Event of Default, subject to the terms of the Plain English Security Agreement by and between Us and You dated as of September 22, 2010 (as may be further amended, modified, revised, supplemented, extended, restated or replaced from time to time, the “**Security Agreement**”) and the Guaranty, We shall have the right, but shall in no way be obligated, to bring suit in Our own name to enforce Your rights in the Intellectual Property Collateral. If We commence any such suit, You shall, at the Our reasonable request, do all lawful acts and execute and deliver all proper documents or information that may be necessary or desirable to aid Us in such enforcement. You shall promptly, upon demand, reimburse and indemnify Us for all of Our costs and expenses, including reasonable attorneys’ fees, related to Our exercise of the above mentioned rights after the occurrence and during the continuance of an Event of Default.

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**4. FURTHER ASSURANCES**

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You will from time to time execute, deliver and file, alone or with Us, any security agreements, or other documents that We may reasonably request in writing to perfect Our Lien on the Intellectual Property Collateral. You will from time to time obtain any instruments or documents as We may reasonably request in writing, and take all further action that may be reasonably necessary to carry out the provisions and purposes of this Agreement, the Security Agreement or the other Loan Documents to confirm, perfect, preserve and protect the Liens granted to Us under this Agreement, the Security Agreement or the other Loan Documents. Anything contained herein to the contrary notwithstanding, You shall only be required to make filings at the United States Patent and Trademark Office or United States Copyright Office that are necessary to perfect Our security interest in and to Intellectual Property Collateral and shall not be required to take perfection steps, or make filings, in jurisdictions outside of the United States with respect to Intellectual Property Collateral.

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**5. MODIFICATION**

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This Agreement can only be altered, amended or modified in a writing signed by the Parties.

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**6. BINDING EFFECT; REMEDIES NOT EXCLUSIVE**

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This Agreement shall be binding upon You and Your respective successors and assigns, and shall inure to the benefit of Us, and Our nominees and assigns permitted under the Loan Agreement.

Our rights and remedies with respect to the Liens granted hereby are in addition to those set forth in the Security Agreement and the other Loan Documents, and those which are now or hereafter available to Us as a matter of law or equity. Each of Our rights, powers and remedies provided for herein or in the Security Agreement or any of the other Loan Documents, or now or hereafter existing at law or in equity shall be cumulative and concurrent to every right, power or remedy provided for herein and the exercise by Us of any one or more of the rights, powers or remedies provided for in this Agreement, the Security Agreement or any of the other Loan Documents, or now or hereafter existing at law or in equity, shall not preclude the simultaneous or later exercise by any person, including Us, of any or all other rights, powers or remedies.

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**7. GOVERNING LAW; COUNTERPARTS**

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This Agreement shall be deemed made and accepted in and shall be governed by and construed in accordance with the laws of the State of California, and (where applicable) the laws of the United States of America.

THIS AGREEMENT SHALL BE SUBJECT TO THE PROVISIONS REGARDING CONSENT TO JURISDICTION AND VENUE, MUTUAL WAIVER OF JURY TRIAL, AND JUDICIAL REFERENCE APPLICABLE TO THE LOAN AGREEMENT.

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**8. TERMINATION**

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Upon the consummation of any sale of the Intellectual Property Collateral to any third party pursuant to a transaction permitted by the Security Agreement or the other Loan Documents, the Lien granted hereby with respect to the Intellectual Property Collateral shall automatically terminate (but shall attach to the proceeds or products thereof to the extent such proceeds are part of the Intellectual Property Collateral or other Collateral) and We shall at the request and at the expense of You, provide evidence of such termination. Immediately upon the date that the Secured Obligations (other than unasserted contingent indemnification Secured Obligations) have been paid in full in Cash, (a) all of Your obligations under this Agreement, shall, without any other action, consent or notice, automatically terminate, and (b) We shall deliver to You the Intellectual Property Collateral subject to this Agreement and all instruments of assignment executed in connection therewith, if any, free and clear of the Liens hereof and, except as otherwise expressly provided herein, all of Your obligations (including, without limitation, the Secured Obligations) hereunder shall at such time automatically terminate. On and after the date that the Secured Obligations (other than unasserted contingent indemnification Secured Obligations) are paid in full, We will promptly execute release or other documents and We will file or authorize the filing of appropriate termination statements or other documents to terminate and reasonably evidence termination of such Lien, including UCC termination statements, releases for filing with the United States Patent and Trademark Office and/or U.S. Copyright Office and other documents, agreements and instruments as may be necessary or as You or We may from time to time reasonably request in connection with the release of the Liens and claims granted.

This Agreement may be executed and delivered by facsimile or transmitted electronically in either Tagged Image Format Files (“**TIFF**”) or Portable Document Format (“**PDF**”) and, upon such delivery, the facsimile, TIFF or PDF signature, as applicable, will be deemed to have the same effect as if the original signature had been delivered by You to Us.

*(Signature Page to Follow)*

IN WITNESS WHEREOF, You have duly executed this Agreement as of the date first set forth above.

You: GEVO, INC.  
Signature:   
Print Name: **Brett Lund**  
Title: **Chief Licensing Officer & General Counsel**

[SIGNATURE PAGE TO PLAIN ENGLISH INTELLECTUAL PROPERTY SECURITY AGREEMENT]

**SCHEDULE A**

**To Plain English Intellectual Property Security Agreement  
by and between Gevo, Inc., as You (Grantor),  
and TriplePoint Capital LLC, as Us (Grantee)**

**PATENTS; PATENT APPLICATIONS**

| Application No.      | Patent No. | Filing Date/Application Date | Publication No.    |
|----------------------|------------|------------------------------|--------------------|
| <b>OWNED BY GEVO</b> |            |                              |                    |
| 11/383,743           |            | May 16, 2006                 | US 2007/0243235 A1 |
| 11/383,748           | 7,309,602  | May 16, 2006                 | US 2007/0243592 A1 |
| 11/383,750           |            | May 16, 2006                 | US 2007/0244719 A1 |
| 11/680,685           |            | March 1, 2007                | US 2007/0275438 A1 |
| 11/795,659           |            | April 5, 2007                | US 2009/0291469 A1 |
| 11/881,748           |            | July 27, 2007                | US 2008/0293101 A1 |
| 11/949,724           |            | Dec 3, 2007                  | US 2009/0155869 A1 |
| 11/963,542           |            | Dec 21, 2007                 | US 2010/0062505 A1 |
| 12/106,173           |            | April 18, 2008               | US 2008/0293125 A1 |
| 12/209,127           |            | Sept 11, 2008                | US 2009/0006280 A1 |
| 12/240,864           |            | Sept 29, 2008                | US 2009/0239270 A1 |
| 12/263,436           | 8,431,374  | Oct 31, 2008                 | US 2009/0226990 A1 |
| 12/263,442           |            | Oct 31, 2008                 | US 2009/0215137 A1 |
| 12/327,723           | 8,193,402  | Dec 3, 2008                  | US 2009/0299109 A1 |
| 12/342,992           | 8,101,808  | Dec 23, 2008                 | US 2009/0171129 A1 |
| 12/343,375           | 8,017,375  | Dec 23, 2008                 | US 2009/0226991 A1 |
| 12/371,557           |            | Feb 13, 2009                 | US 2009/0246842 A1 |
| 12/408,647           |            | Nov 5, 2009                  | US 2009/0274659 A1 |
| 12/610,784           |            | Nov 2, 2009                  | US 2010/0143997 A1 |
| 12/696,645           |            | Jan 29, 2010                 | US 2011/0183392 A1 |
| 12/711,919           |            | Feb 24, 2010                 | US 2010/0216958 A1 |
| 12/820,505           | 8,455,239  | June 22, 2010                | US 2011/0020889 A1 |
| 12/824,050           |            | June 25, 2010                | US 2011/0124068 A1 |
| 12/855,276           | 8,232,089  | Aug 12, 2010                 | US 2011/0076733 A1 |
| 12/899,285           |            | Oct 6, 2010                  | US 2011/0087000 A1 |
| 12/904,947           |            | Oct 14, 2010                 | US 2011/0223284 A1 |
| 12/953,884           | 8,017,376  | Nov 24, 2010                 | US 2011/0183393 A1 |
| 12/986,918           | 8,450,543  | Jan 7, 2011                  | US 2011/0172475 A1 |
| 13/025,801           |            | Feb 11, 2011                 | US 2011/0201090 A1 |
| 13/025,805           |            | Feb 11, 2011                 | US 2011/0201072 A1 |
| 13/074,907           | 8,133,715  | March 29, 2011               | US 2011/0275129 A1 |
| 13/076,284           | 8,158,404  | March 30, 2011               | US 2011/0236942 A1 |
| 13/077,170           | 8,153,415  | March 31, 2011               | US 2011/0201073 A1 |
| 13/095,255           |            | April 27, 2011               | US 2011/0269185 A1 |
| 13/103,812           | 8,373,012  | May 9, 2011                  | US 2011/0288352 A1 |
| 13/141,648           |            | June 22, 2011                | US 2012/0045809 A1 |
| 13/176,452           |            | July 5, 2011                 | US 2011/0287500 A1 |
| 13/228,342           | 8,071,358  | Sept 8, 2011                 |                    |
| 13/229,438           |            | Sept 9, 2011                 | US 2011/0318799 A1 |
| 13/246,693           | 8,273,565  | Sept 27, 2011                | US 2012/0028322 A1 |
| 13/246,718           |            | Sept 27, 2011                | US 2012/0015417 A1 |



| Application No.         | Patent No. | Filing Date/Application Date | Publication No.    |
|-------------------------|------------|------------------------------|--------------------|
| 13/267,771              |            | Oct 6, 2011                  | US 2012/0028323 A1 |
| 13/269,457              |            | Oct 7, 2011                  | US 2012/0040080 A1 |
| 13/269,937              | 8,097,440  | Oct 10, 2011                 | US 2012/0028324 A1 |
| 13/271,084              |            | Oct 11, 2011                 | US 2012/0058532 A1 |
| 13/279,166              |            | Oct 21, 2011                 | US 2012/0034666 A1 |
| 13/286,741              |            | Nov 1, 2011                  | US 2012/0171741 A1 |
| 13/302,775              |            | Nov 22, 2011                 | US 2012/0064590 A1 |
| 13/303,884              |            | Nov 23, 2011                 | US 2012/0190089 A1 |
| 13/344,460              | 8,283,505  | Jan 5, 2012                  | US 2012/0107890 A1 |
| 13/344,464              | 8,304,588  | Jan 5, 2012                  | US 2012/0107981 A1 |
| 13/431,532              |            | March 27, 2012               |                    |
| 13/441,459              | 8,378,160  | April 6, 2012                | US 2012/0238787 A1 |
| 13/441,468              | 8,546,627  | April 6, 2012                | US 2012/0259146 A1 |
| 13/451,026              |            | April 19, 2012               | US 2012/0271082 A1 |
| 13/524,949              |            | June 15, 2012                | US 2012/0322970 A1 |
| 13/528,106              |            | June 20, 2012                | US 2012/0288910 A1 |
| 13/557,066              | 8,487,149  | July 24, 2012                | US 2012/0323055 A1 |
| 13/561,560              |            | July 30, 2012                |                    |
| 13/586,599              |            | Aug 15, 2012                 | US 2013/0122561 A1 |
| 13/667,721              |            | Nov 2, 2012                  | US 2013/0059370 A1 |
| 13/701,247              |            | Nov 30, 2012                 | US 2013/0302868 A1 |
| 13/764,308              |            | Feb 11, 2013                 |                    |
| 13/859,903              |            | April 10, 2013               | US 2013/0273622 A1 |
| 13/902,119              |            | May 24, 2013                 | US 2013/0261323 A1 |
| 13/907,394              |            | May 31, 2013                 | US 2013/0252298 A1 |
| 14/003,534              |            | Sept 6, 2013                 |                    |
| 14/031,400              |            | Sept 19, 2013                |                    |
| 14/039,500              |            | Sept 27, 2013                |                    |
| 61/774,872              |            | March 8, 2013                |                    |
| 61/787,823              |            | March 15, 2013               |                    |
| 61/800,051              |            | March 15, 2013               |                    |
| <b>LICENSED BY GEVO</b> |            |                              |                    |
| 07/392,095              | 5,023,171  | Aug 10, 1989                 |                    |
| 07/471,673              | 5,422,267  | Jan 24, 1990                 |                    |
| 08/259,560              | 5,693,489  | June 14, 1994                |                    |
| 08/465,927              | 5,919,651  | June 6, 1995                 |                    |
| 08/465,931              | 5,854,018  | June 6, 1995                 |                    |
| 08/465,986              | 5,856,123  | June 6, 1995                 |                    |
| 08/466,460              | 6,214,577  | June 6, 1995                 |                    |
| 08/474,333              | 5,618,676  | June 7, 1995                 |                    |
| 09/574,873              | 6,485,947  | May 19, 2000                 |                    |
| 09/992,430              | 7,109,010  | Nov 23, 2001                 | US 2003/0166179 A1 |
| 10/154,460              | 7,141,410  | May 23, 2002                 | US 2003/0190630 A1 |
| 10/287,564              | 7,229,805  | Nov 4, 2002                  | US 2004/0029238 A1 |
| 10/449,911              | 7,232,664  | May 30, 2003                 | US 2004/0043444 A1 |
| 10/449,978              |            | May 30, 2003                 | US 2004/0029256 A1 |
| 10/452,038              | 7,534,597  | May 30, 2003                 | US 2003/0228671 A1 |
| 10/554,887              | 7,943,366  | May 3, 2004                  | US 2006/0234364 A1 |
| 11/263,496              |            | Oct 31, 2005                 | US 2006/0110810 A1 |
| 11/507,289              |            | Aug 21, 2006                 | US 2007/0092956 A1 |
| 11/707,188              | 7,939,298  | Feb 14, 2007                 | US 2007/0148748 A1 |

| Application No. | Patent No. | Filing Date/Application Date | Publication No.    |
|-----------------|------------|------------------------------|--------------------|
| 11/788,839      | 7,700,332  | April 20, 2007               |                    |
| 12/028,727      |            | Feb 8, 2008                  | US 2009/0081746 A1 |
| 12/281,286      |            | March 13, 2007               | US 2009/0053782 A1 |
| 12/352,133      |            | Jan 12, 2009                 | US 2010/0137551 A1 |
| 12/540,334      |            | Aug 12, 2009                 | US 2010/0209986 A1 |
| 12/593,842      |            | March 27, 2008               | US 2010/0159546 A1 |
| 13/078,128      |            | April 1, 2011                | US 2011/0229873 A1 |
| 13/107,881      | 8,440,451  | May 14, 2011                 | US 2011/0287505 A1 |
| 13/107,882      |            | May 14, 2011                 | US 2011/0287506 A1 |
| 14/035,238      |            | Sept 24, 2013                |                    |

### Non-U.S. Patents & Applications

| Country/Jurisdiction | Application No. | Patent/Registration No. | Publication No. |
|----------------------|-----------------|-------------------------|-----------------|
| <b>OWNED BY GEVO</b> |                 |                         |                 |
| AR                   | P070101580      |                         |                 |
| AU                   | 2007238228      |                         |                 |
| AU                   | 2008345126      |                         |                 |
| AU                   | 2010265880      |                         |                 |
| AU                   | 2010303461      |                         |                 |
| BR                   | PI0709946-0     |                         |                 |
| BR                   | PI0719748-9     |                         |                 |
| BR                   | PI0720566-0     |                         |                 |
| BR                   | PI0818305-8     |                         |                 |
| BR                   | PI0820026-2     |                         |                 |
| BR                   | PI0821519-7     |                         |                 |
| BR                   | PI0821685-1     |                         |                 |
| BR                   | PI0921734-7     |                         |                 |
| BR                   | PI1008287-5     |                         |                 |
| BR                   | BR1120120006592 |                         |                 |
| BR                   | BR1120120032410 |                         |                 |
| BR                   | BR1120120093851 |                         |                 |
| BR                   | BR1120120124927 |                         |                 |
| BR                   | BR1120120168835 |                         |                 |
| BR                   | BR1120120202618 |                         |                 |
| CA                   | 2648934         |                         |                 |
| CA                   | 2707306         |                         |                 |
| CA                   | 2710359         |                         |                 |
| CA                   | 2710856         |                         |                 |
| CA                   | 2715092         |                         |                 |
| CA                   | 2715093         |                         |                 |
| CA                   | 2753037         |                         |                 |
| CA                   | 2766170         |                         |                 |
| CA                   | 2776177         |                         |                 |
| CA                   | 2779262         |                         |                 |
| CA                   | 2770842         |                         |                 |
| CA                   | 2781131         |                         |                 |
| CA                   | 2786607         |                         |                 |
| CA                   | 2789583         |                         |                 |

| Country/<br>Jurisdiction | Application No.  | Patent/Registration No. | Publication No. |
|--------------------------|------------------|-------------------------|-----------------|
| CN                       | 200780019160.9   |                         |                 |
| CN                       | 200780050853.4   |                         | CN 101627109A   |
| CN                       | 200780051627.8   |                         | CN 101652482A   |
| CN                       | 200880126115.8   |                         | CN 101952398A   |
| CN                       | 200880127344.1   |                         | CN 101952448A   |
| CN                       | 200880127622.3   |                         | CN 101959568A   |
| CN                       | 201080037706.5   |                         | CN 102482689A   |
| CN                       | 201080050883.7   |                         | CN 102596866A   |
| CN                       | 201180011008.2   |                         |                 |
| CN                       | 201180018728.1   |                         | CN 102869763A   |
| CO                       | 10-077.725       |                         |                 |
| CO                       | 12-010.206       |                         |                 |
| CU                       | 2010-0134        |                         |                 |
| DR                       | P2007000075      |                         |                 |
| EP                       | 07760154.0       |                         | EP 2018174      |
| EP                       | 07871733.7       | EP 2121949B1            | EP 2121949      |
| EP                       | 07874335.8       |                         | EP 2102327      |
| EP                       | 08746347.7       |                         | EP 2147111      |
| EP                       | 08844864.2       |                         | EP 2215243      |
| EP                       | 08862156.0       |                         | EP 2225351      |
| EP                       | 08867473.4       |                         | EP 2235193      |
| EP                       | 08866430.5       |                         | EP 2238098      |
| EP                       | 09824214.2       |                         | EP 2346998      |
| EP                       | 10746767.2       |                         | EP 2401307      |
| EP                       | 10792562.0       |                         | EP 2446043      |
| EP                       | 10792762.6       |                         | EP 2446045      |
| EP                       | 10808746.1       |                         | EP 2464726      |
| EP                       | 10822609.3       |                         | EP 2485995      |
| EP                       | 10833900.3       |                         | EP 2504422      |
| EP                       | 11732220.6       |                         | EP 2521705      |
| EP                       | 11778493.4       |                         | EP 2566830      |
| EP                       | 11780955.8       |                         | EP 2534240      |
| EP                       | 12773992.8       |                         |                 |
| GB                       | GB0706778.8      |                         |                 |
| GB                       | GB1210047.5      | GB2487889               |                 |
| GB                       | GB1216235.0      | GB2492267               |                 |
| GB                       | GB1219684.6      |                         |                 |
| GB                       | GB1220508.4      |                         |                 |
| ID                       | W00 2010 02211   |                         |                 |
| ID                       | W00 2012 00166   |                         |                 |
| ID                       | W00 2012 03695   |                         |                 |
| IL                       | 206658           |                         |                 |
| IN                       | 4017/DELNP/2010  |                         |                 |
| IN                       | 4548/DELNP/2010  |                         |                 |
| IN                       | 4680/DELNP/2010  |                         |                 |
| IN                       | 10126/DELNP/2011 |                         |                 |
| IN                       | 3136/DELNP/2012  |                         |                 |
| IN                       | 6832/DELNP/2012  |                         |                 |
| IN                       | 7858/DELNP/2012  |                         |                 |
| JP                       | 2010-537034      |                         |                 |
| JP                       | 2010-539945      |                         |                 |
| JP                       | 2010-540868      |                         |                 |

| Country/<br>Jurisdiction | Application No.   | Patent/Registration No. | Publication No. |
|--------------------------|-------------------|-------------------------|-----------------|
| JP                       | 2011-135019       |                         |                 |
| JP                       | 2011-551312       |                         |                 |
| JP                       | 2012-517799       |                         |                 |
| JP                       | 2012-533280       |                         |                 |
| JP                       | 2012-548174       |                         |                 |
| JP                       | 2012-553020       |                         |                 |
| KR                       | 10-2010-7014764   |                         |                 |
| KR                       | 10-2010-7016863   |                         |                 |
| KR                       | 10-2012-7002039   |                         |                 |
| KR                       | 10-2012-7023730   |                         |                 |
| MX                       | MX/a/2010/007210  | MX304602                |                 |
| MX                       | MX/a/2012/000251  |                         |                 |
| MX                       | MX/a/2012/004155  |                         |                 |
| MX                       | MX/a/2012/009362  |                         |                 |
| MX                       | MX/a/2012/010155  |                         |                 |
| MY                       | PI 2010003057     | MY                      | PI 2010003057   |
| MY                       | PI 2011006256     | MY                      | PI 2011006256   |
| MY                       | PI 2012000574     | MY                      | PI 2012000574   |
| MY                       | PI 2012001500     | MY                      | PI 2012001500   |
| MY                       | PI 2012002306     | MY                      | PI 2012002306   |
| MY                       | PI 2012003097     | MY                      | PI 2012003097   |
| MY                       | PI 2012003621     | MY                      | PI 2012003621   |
| PE                       | PE45720           | PE                      | PE45720         |
| RU                       | 2010131170        |                         |                 |
| RU                       | 2012102626        |                         |                 |
| RU                       | 2012138943        |                         |                 |
| SG                       | SG 201202392-5    |                         |                 |
| SG                       | SG 201203615-8    |                         |                 |
| SG                       | SG 201205013-4    | SG182407                |                 |
| SG                       | SG 201205984-6    |                         |                 |
| TH                       | TH 0801006727     |                         |                 |
| TH                       | TH 1101003851     |                         |                 |
| TH                       | TH 1201001610     |                         |                 |
| TH                       | TH 1201002412     |                         |                 |
| TH                       | TH 1201003407     |                         |                 |
| TH                       | TH 1201004118     |                         |                 |
| TW                       | TW 96113028       |                         |                 |
| TW                       | TW 101114015      |                         |                 |
| TW                       | TW 101114024      |                         |                 |
| TW                       | TW 101121437      |                         |                 |
| UA                       | 201200785         |                         |                 |
| UA                       | 202009295         |                         |                 |
| UY                       | UY 30286          |                         |                 |
| VN                       | 1-2010-01947      |                         |                 |
| WO/PCT                   | PCT/US2007/017013 |                         | WO/2008/013996  |
| WO/PCT                   | PCT/US2007/066024 |                         | WO/2007/121100  |
| WO/PCT                   | PCT/US2007/086311 |                         | WO/2008/143704  |
| WO/PCT                   | PCT/US2007/088705 |                         | WO/2008/080124  |
| WO/PCT                   | PCT/US2008/060911 |                         | WO/2008/131286  |
| WO/PCT                   | PCT/US2008/082159 |                         | WO/2009/059253  |
| WO/PCT                   | PCT/US2008/082160 |                         | WO/2009/059254  |
| WO/PCT                   | PCT/US2008/085423 |                         | WO/2009/079213  |

| Country/<br>Jurisdiction | Application No.   | Patent/Registration No. | Publication No. |
|--------------------------|-------------------|-------------------------|-----------------|
| WO/PCT                   | PCT/US2008/088187 |                         | WO/2009/086391  |
| WO/PCT                   | PCT/US2008/088235 |                         | WO/2009/086423  |
| WO/PCT                   | PCT/US2009/034152 |                         | WO/2009/103026  |
| WO/PCT                   | PCT/US2009/062952 |                         | WO/2010/051527  |
| WO/PCT                   | PCT/US2009/069390 |                         | WO/2010/075504  |
| WO/PCT                   | PCT/US2010/025234 |                         | WO 2010/099201  |
| WO/PCT                   | PCT/US2010/039447 |                         | WO/2010/151525  |
| WO/PCT                   | PCT/US2010/040095 |                         | WO/2010/151832  |
| WO/PCT                   | PCT/US2010/045295 |                         | WO/2011/019894  |
| WO/PCT                   | PCT/US2010/051641 |                         | WO 2011/044243  |
| WO/PCT                   | PCT/US2010/057957 |                         | WO/2011/066356  |
| WO/PCT                   | PCT/US2011/020549 |                         | WO/2011/085223  |
| WO/PCT                   | PCT/US2011/024482 |                         | WO/2011/142865  |
| WO/PCT                   | PCT/US2011/035769 |                         | WO/2011/140560  |
| WO/PCT                   | PCT/US2011/038566 |                         | WO/2011/153144  |
| WO/PCT                   | PCT/US2011/049288 |                         | WO/2012/027642  |
| WO/PCT                   | PCT/US2011/057299 |                         | WO/2012/071121  |
| WO/PCT                   | PCT/US2011/058766 |                         | WO/2012/061372  |
| WO/PCT                   | PCT/US2012/028460 |                         | WO/2012/122465  |
| WO/PCT                   | PCT/US2012/034225 |                         | WO/2012/145495  |
| WO/PCT                   | PCT/US2012/042624 |                         | WO/2013/048599  |
| WO/PCT                   | PCT/US2012/044563 |                         | WO/2013/003545  |
| WO/PCT                   | PCT/US2012/046185 |                         | WO/2013/009818  |
| WO/PCT                   | PCT/US2012/048802 |                         | WO/2013/016724  |
| WO/PCT                   | PCT/US2012/052669 |                         | WO/2013/033097  |
| WO/PCT                   | PCT/US2012/056225 |                         | WO/2013/043801  |
| WO/PCT                   | PCT/US2012/059214 |                         |                 |
| WO/PCT                   | PCT/JP2012/065320 |                         | WO/2012/173220  |
| WO/PCT                   | PCT/US2013/036948 |                         | WO/2013/158749  |
| WO/PCT                   | PCT/US2013/041064 |                         | WO/2013/173412  |
| WO/PCT                   | PCT/US2013/047789 |                         |                 |
| WO/PCT                   | PCT/US2013/048460 |                         |                 |
| WO/PCT                   | PCT/US2013/053172 |                         |                 |
| ZA                       | ZA 2011/06167     |                         |                 |
| ZA                       | ZA 2012/02466     | 2012/02466              |                 |
| ZA                       | ZA 2012/05877     |                         |                 |
| ZA                       | ZA 2012/06751     |                         |                 |
| <b>LICENSED BY GEVO</b>  |                   |                         |                 |
| AR                       | 55964             |                         |                 |
| AU                       | 780135            | AU 780135               |                 |
| AU                       | 4236724           |                         |                 |
| AU                       | 2003240481        |                         |                 |
| AU                       | 2003243366        |                         |                 |
| AU                       | 2003251381        |                         |                 |
| AU                       | 2006291566        |                         |                 |
| BR                       | 409954            |                         |                 |
| BR                       | PI0115558-0       |                         |                 |
| BR                       | PI03114520        |                         |                 |
| BR                       | PI03114538        |                         |                 |
| BR                       | PI0405207-2       |                         |                 |
| CA                       | 2374482           |                         |                 |

| Country/<br>Jurisdiction | Application No.   | Patent/Registration No. | Publication No. |
|--------------------------|-------------------|-------------------------|-----------------|
| CA                       | 2430270           |                         |                 |
| CA                       | 2474152           |                         |                 |
| CA                       | 2487116           |                         |                 |
| CA                       | 2524387           |                         |                 |
| CA                       | 2611028           |                         |                 |
| CA                       | 2645361           |                         |                 |
| CA                       | 2678261           |                         |                 |
| CN                       | 257184            |                         |                 |
| CN                       | 809206            |                         |                 |
| CN                       | 1922198           |                         |                 |
| CN                       | 3817291.7         |                         |                 |
| CN                       | 3817294.1         |                         |                 |
| CN                       | 11287824          |                         |                 |
| CN                       | 200880009662.8    |                         | CN 101688175A   |
| CN                       | 02827492.X        |                         |                 |
| CN                       | 03817295.X        |                         |                 |
| CZ                       | PV2001-4090       |                         |                 |
| EP                       | 00932649.7        | EP 1183385B1            | EP 1183385      |
| EP                       | 01986480.0        |                         | EP 1339852      |
| EP                       | 02739336.2        | EP 1474507 B1           | EP 1474507      |
| EP                       | 03731489.5        | EP 1513923 B1           | EP 1513923      |
| EP                       | 03756237.8        |                         | EP 1513939      |
| EP                       | 03756356.6        |                         | EP 1513940      |
| EP                       | 04751126.6        | EP 1626979 B1           | EP 1626979      |
| EP                       | 06836073.4        |                         | EP 1885842      |
| EP                       | 07753061.6        |                         | EP 2001992      |
| EP                       | 08729470.8        |                         | EP 2118266      |
| ID                       | W00 2009 02113    |                         |                 |
| JP                       | 2000-620115       |                         |                 |
| JP                       | 2002-545176       |                         |                 |
| JP                       | 2003-550580       |                         |                 |
| JP                       | 2004-510394       |                         |                 |
| JP                       | 2004-510437       |                         |                 |
| JP                       | 2004-510438       |                         |                 |
| JP                       | 2006-525029       |                         |                 |
| JP                       | 2008-514759       |                         |                 |
| MX                       | MX/a/2009/008416  | MX303600                |                 |
| MY                       | PI 2009003311     |                         |                 |
| WO/PCT                   | PCT/US2000/013907 |                         | WO/2000/071738  |
| WO/PCT                   | PCT/US2001/044041 |                         | WO/2002/042471  |
| WO/PCT                   | PCT/US2002/016223 |                         | WO/2003/049525  |
| WO/PCT                   | PCT/US2003/016825 |                         | WO/2003/102200  |
| WO/PCT                   | PCT/US2003/017310 |                         | WO/2003/102201  |
| WO/PCT                   | PCT/US2003/017329 |                         | WO/2003/102152  |
| WO/PCT                   | PCT/US2004/013592 |                         | WO/2004/099381  |
| WO/PCT                   | PCT/US2006/020782 |                         | WO/2007/032792  |
| WO/PCT                   | PCT/US2006/044815 |                         | WO/2007/117282  |
| WO/PCT                   | PCT/US2007/006408 |                         | WO/2007/106524  |
| WO/PCT                   | PCT/US2008/053514 |                         | WO/2008/098227  |
| WO/PCT                   | PCT/US2008/058406 |                         | WO/2008/121701  |
| ZA                       | 200409529         |                         |                 |
| ZA                       | 200409530         |                         |                 |

| Country/<br>Jurisdiction | Application No. | Patent/Registration No. | Publication No. |
|--------------------------|-----------------|-------------------------|-----------------|
| ZA                       | 200409531       |                         |                 |
| ZA                       | 200509697       |                         |                 |

**SCHEDULE B**

**To Plain English Intellectual Property Security Agreement  
by and between Gevo, Inc., as You (Grantor),  
and TriplePoint Capital LLC, as Us (Grantee)**

**TRADEMARKS; TRADEMARK APPLICATIONS**

| <b>TRADEMARKS</b>                             |                          |                            |
|---|--------------------------|----------------------------|
| <u>Mark</u>                                   | <u>Registration Date</u> | <u>Registration Number</u> |
| GEVO INTEGRATED<br>FERMENTATION<br>TECHNOLOGY | August 10, 2010          | 3,832,593                  |
| GIFT  | Feb 15, 2011             | 3,920,294                  |
| Gevo (design)                                 | April 19, 2011           | 3,948,330                  |
| Gevo (characters)                             | April 19, 2011           | 3,948,331                  |
| Gevo (design)                                 | July 19, 2011            | 3,999,250                  |
| GEVO  | April 12, 2011           | 3,945,946                  |
| Gevo (design)                                 | April 12, 2011           | 3,945,947                  |

| <b>TRADEMARK APPLICATIONS</b> |                         |                           |
|-------------------------------|-------------------------|---------------------------|
| <u>Mark</u>                   | <u>Application Date</u> | <u>Application Number</u> |
| IDGS                          | Nov 1, 2011             | 85/461,358                |
| POWERED BY GEVO               | April 11, 2012          | 85/595,198                |
| PREMIUM FLEX FUEL             | June 27, 2013           | 85/971,366                |
| GEVO PREMIUM FLEX FUEL        | June 27, 2013           | 85/971,373                |

**Non-U.S. Trademarks & Applications**

| <b>TRADEMARKS</b> |               |                          |                            |
|-------------------|---------------|--------------------------|----------------------------|
| <u>Country</u>    | <u>Mark</u>   | <u>Registration Date</u> | <u>Registration Number</u> |
| CA                | GEVO          | Feb 4, 2011              | TMA789,785                 |
| BR                | GEVO          | August 21, 2012          | 901959952                  |
| BR                | GEVO          | August 21, 2012          | 901959979                  |
| BR                | GEVO          | August 21, 2012          | 901960020                  |
| BR                | GEVO          | August 21, 2012          | 901960136                  |
| EP                | GEVO          | Sept 15, 2009            | 008551541                  |
| EP                | GIFT          | May 15, 2009             | 008303539                  |
| EP                | Gevo (design) | Aug 16, 2010             | 009316498                  |
| MX                | IDGS          | Aug 9, 2012              | 1302912                    |
| MX                | IDGS          | Aug 9, 2012              | 1302913                    |
| MX                | IDGS          | December 19, 2012        | 1340638                    |

| <b>TRADEMARK APPLICATIONS</b> |               |                         |                           |
|-------------------------------|---------------|-------------------------|---------------------------|
| <u>Country</u>                | <u>Mark</u>   | <u>Application Date</u> | <u>Application Number</u> |
| CA                            | Gevo (design) | Aug 12, 2010            | 1,492,049                 |
| CA                            | IDGS          | March 16, 2012          | 1,569,199                 |
| BR                            | Gevo (design) | August 10, 2010         | 830718087                 |
| BR                            | Gevo (design) | August 10, 2010         | 830718060                 |
| BR                            | Gevo (design) | August 10, 2010         | 830718052                 |



|    |               |                 |           |
|----|---------------|-----------------|-----------|
| BR | Gevo (design) | August 10, 2010 | 830718079 |
|----|---------------|-----------------|-----------|

**SCHEDULE C**  
**TO INTELLECTUAL PROPERTY SECURITY AGREEMENT**  
**by and between Gevo, Inc., as You (Grantor),**  
**and TriplePoint Capital LLC, as Us (Grantee)**

**COPYRIGHTS, COPYRIGHT APPLICATIONS**

| <b><u>COPYRIGHTS</u></b> |                          |                            |
|--------------------------|--------------------------|----------------------------|
| <u>Title</u>             | <u>Registration Date</u> | <u>Registration Number</u> |
| Methanotech, Inc.        | July 7, 2005             | VAu000688983               |

| <b><u>COPYRIGHT APPLICATIONS</u></b> |                         |                           |
|--------------------------------------|-------------------------|---------------------------|
| <u>Mark</u>                          | <u>Application Date</u> | <u>Application Number</u> |
|                                      |                         |                           |

## LICENSE AGREEMENTS

### Licenses

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|  |
| License Agreement, by and between the Company and Cargill Incorporated, effective February 19, 2009.   |
| Exclusive License Agreement, by and between the Company and The Regents of the University of California, dated September 6, 2007, as amended.  |
| License Agreement by and between the Company and the California Institute of Technology, dated July 12, 2005, as amended.  |
| Non-Exclusive Research and Development License Agreement, by and between the Company and R. Rogers Yocum, effective October 1, 2008, as amended.   |
| Mayo Foundation For Medical Education and Research Technology License Agreement, by and between the Company and the Mayo Foundation For Medical Education and Research, effective July 26, 2010. |
| Non-Exclusive Site License for Expression of Polypeptides in Yeast, by and between Washington Research Foundation and the Company, dated May 22, 2008.   |
| License Agreement, by and between the Company and Brookhaven Science Associates, LLC, dated November 30, 2009.   |
| Joint Development Agreement, by and between the Company and LanzaTech New Zealand Ltd., dated November 6, 2008.  |
| SciFinder License Agreement, by and between American Chemical Society (ACS) and the Company, dated August 13, 2007, as amended.  |
| License Agreement, by and between Company and Aspen Technology, Inc., entered into on or around June 4, 2012.  |