

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4372099

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>SEQUENCE:</b>	1	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	INNOVATUM, INC.	04/18/2017
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	PRAIRIELANDS ENERGY MARKETING, INC.	
<b>Street Address:</b>	1250 W. CENTURY AVENUE	
<b>City:</b>	BISMARCK	
<b>State/Country:</b>	NORTH DAKOTA	
<b>Postal Code:</b>	58503	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Patent Number:	7898456
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(920)499-5700	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
<b>Phone:</b>	9204995700	
<b>Email:</b>	rkornowske@gerberslaw.com	
<b>Correspondent Name:</b>	ROSS R. KORNOWSKE	
<b>Address Line 1:</b>	2391 HOLMGREN WAY, STE. A	
<b>Address Line 4:</b>	GREEN BAY, WISCONSIN 54304	
<b>NAME OF SUBMITTER:</b>	ROSS R. KORNOWSKE	
<b>SIGNATURE:</b>	/Ross R. Kornowske/	
<b>DATE SIGNED:</b>	04/18/2017	
<b>Total Attachments: 10</b>		
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GENERAL CONVEYANCE,  
BILL OF SALE AND ASSIGNMENT

GENERAL CONVEYANCE, BILL OF SALE and ASSIGNMENT ("General Conveyance") dated this 23th day of October, 2006, by and between Innovatum, Inc., a Texas corporation ("Seller"), and Prairielands Energy Marketing, Inc., a Delaware corporation ("Buyer").

WITNESSETH:

Seller, for good and valuable consideration received, does by these presents convey, assign, transfer, grant, bargain, sell, set over and deliver unto Buyer, subject to the terms and conditions hereof, all and the entirety of Seller's right, title, interest and obligations in, to, under and arising out of the assets of Seller's undersea and underground technology support business as the same are more particularly described in Exhibit "A" hereto which is, by this reference, incorporated within and made part hereof (the "Assets") together with all claims and liabilities known or unknown, related to or arising from the Assets.

Only the Assets specifically described in the said Exhibit "A" shall be and are hereby conveyed, assigned, transferred, granted, bargained, sold, set over and delivered unto Buyer pursuant to this General Conveyance.

TO HAVE AND TO HOLD the Assets, to the extent hereby conveyed, together with all the rights, privileges and appurtenances in any way belonging or pertaining thereto, unto Buyer, its respective successors and assigns forever, subject to the following reservations to wit:

1. All federal, state, or local laws, rules, orders and regulations which may govern or apply to the acquisition, ownership, operation or transfer of the Assets, or any portion thereof.

2. All terms, provisions, conditions and covenants, express or implied, of all deeds, leases, licenses, agreements, orders, permits or other instruments creating an interest in the Assets or in any way pertaining thereto and any agreements governing the ownership or operation of the Assets as of the date hereof.

Buyer expressly agrees to be bound by the terms and conditions and assumes all of the obligations and liabilities of Seller as to the Assets conveyed to Buyer.

Separate assignments of the Assets from Seller to Buyer may be executed on mutually acceptable forms in sufficient counterparts to satisfy and comply with applicable statutory and regulatory requirements, all to be effective between the parties hereto as of the date hereof. Any such separate assignment shall be deemed to contain all of the exceptions, reservations, rights, titles and privileges set forth herein as though they were fully set forth in each separate assignment.

Seller hereby represents and warrants to Buyer that the statements, information and data in Exhibit "A" are true and correct and fairly represent and describe the Assets and that Seller has authority to transfer its right and title in and to the Assets. Seller makes no warranties either express or implied as to the marketable title of the Assets. Seller, to the best of its knowledge, has substantially performed all obligations related to the Assets which are required to be performed by Seller and is not in default under any of the agreements, contracts, leases or other documents identified in Exhibit "A." Seller, to the best of its knowledge, has maintained the Assets in good workmanlike, condition and manner and has paid or caused to be paid in the normal course of business all costs and expenses incurred in connection with the Assets, including payment of all state and local *ad valorem* and property taxes on the Assets when due and payable.

Seller agrees that it will, at any time, now and hereafter, upon request of Buyer, do, execute, acknowledge and deliver all such further acts, deeds, assignments, transfers and conveyances as may be required for the better vesting, assigning, transferring, granting, conveying, assuring and confirming to Buyer, or to its successors and assigns, or for the aiding and assisting or collecting and reducing to possession, any and all of the Assets to be transferred or assigned to Buyer as provided herein.

Buyer does hereby accept the conveyance, assignment, transfer, grant, sale and delivery of the Assets together with all claims and liabilities, known or unknown, related to or arising from the Assets and existing on or before the date hereof and does hereby assume the same.

Buyer will defend, indemnify, and hold Seller harmless from any claims by or liability to third parties relating to the Assets after the effective date hereof.

Seller will defend, indemnify and hold Buyer harmless from any claims by or liability to third parties relating to the Assets prior to the effective date hereof.

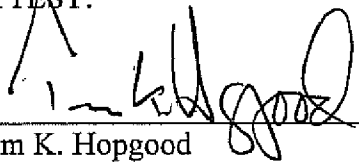
All the terms and provisions hereof shall be binding upon and inure to the benefit of the successors and assigns of Seller and Buyer, respectively.

Complete copies of this General Conveyance, Bill of Sale and Assignment containing the entire Exhibit "A" have been retained by Seller and Buyer.

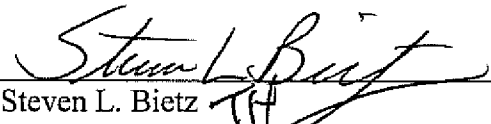
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IN WITNESS WHEREOF, Innovatum, Inc. and Prairielands Energy Marketing, Inc. have caused this agreement to be executed in their corporate names as of the date first above written.

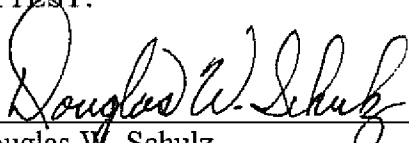
ATTEST:

  
\_\_\_\_\_  
Tom K. Hopgood  
Assistant Secretary


INNOVATUM, INC.

By:   
\_\_\_\_\_  
Steven L. Bietz  
Chief Executive Officer

ATTEST:

  
\_\_\_\_\_  
Douglas W. Schulz  
~~Assistant~~ Secretary

PRAIRIELANDS ENERGY  
MARKETING, INC.

By:   
\_\_\_\_\_  
Brian J. Artz  
Vice President and General Manager

STATE OF NORTH DAKOTA     )  
  : ss  
COUNTY OF BURLEIGH     )

On this 20th day of October, 2006, before me personally appeared Steven L. Bietz and Tom K. Hopgood, known to me to be the Chief Executive Officer and Assistant Secretary, respectively, of Innovatum, Inc. and acknowledged to me that said corporation executed the foregoing instrument.



Bonnie Thompson  
Bonnie Thompson, Notary Public  
Burleigh County, North Dakota  
My commission expires: 7-26-07

STATE OF NORTH DAKOTA     )  
  : ss  
COUNTY OF BURLEIGH     )

On this 20<sup>th</sup> day of October, 2006, before me personally appeared Brian J. Artz and Douglas W. Schulz, known to me to be the Vice President and General Manager and ~~Assistant~~ Secretary, of Prairielands Energy Marketing, Inc., respectively, and acknowledged to me that said corporation executed the foregoing instrument.



Bonnie Thompson  
Bonnie Thompson, Notary Public  
Burleigh County, North Dakota  
My commission expires: 7-26-07

**Innovatum**

10/18/2006

EXHIBIT "A"

Type	Acct	Acct Description	Balance
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Asset	1292	Patents	
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\*\* This list includes all recorded transactions as of October 18, 2006. There may be additional incurred but unrecorded transactions.



(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
8 January 2004 (08.01.2004)

PCT

(10) International Publication Number  
**WO 2004/002956 A3**

(51) International Patent Classification<sup>7</sup>: **C07D 403/00**,  
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(21) International Application Number:  
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(26) Publication Language: English

(30) Priority Data:  
60/392,440 28 June 2002 (28.06.2002) US  
60/400,411 1 August 2002 (01.08.2002) US

(71) Applicant (for all designated States except US): **BRISTOL MYERS SQUIBB COMPANY** [US/US]; P. O. Box 4000, Route 206 and Provinceline Road, Princeton, NJ 08543-4000 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **CAMPAGNA, Silvio** [US/US]; 621 Old Candia Road, Candia, NH 03034 (US). **SAVAGE, Scott, A.** [US/US]; 312 Robin Hood Drive, Yardley, PA 19067 (US). **BORDAWEKAR,**

**Shaliendra** [IN/US]; 28 Golfview Drive, Apt L #A6, Newark, DE 19702 (US). **MADUSKUIE, Thomas, P.** [US/US]; 613 Foulkstone Road, Wilmington, DE 19803-2426 (US). **WALTERMIRE, Robert, E.** [US/US]; 7 Hope Court, Hillsborough, NJ 08844 (US). **DESIKAR, Sridhar** [IN/US]; 39 Dewitt Lane, Hillsborough, NJ 08844 (US). **ANDERSON, Stephen, R.** [US/US]; 107 Morse Avenue, Groton, CT 06340 (US).

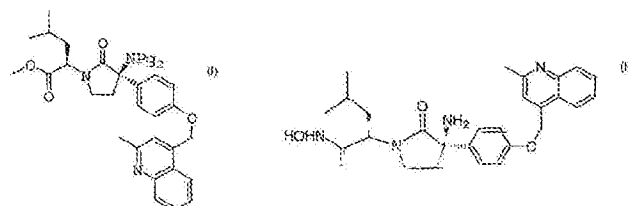
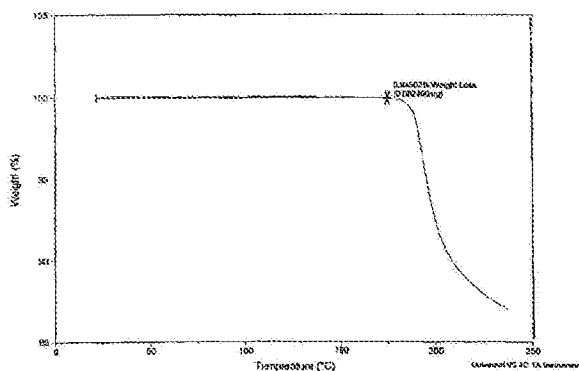
(74) Agents: **BELFIELD, Jing** et al.; Bristol-Myers Squibb Company, P.O. Box 4000, Princeton, NJ 08543-4000 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

[Continued on next page]

(54) Title: **ASYMMETRIC SYNTHESIS OF AMINO-PYRROLIDINONES AND A CRYSTALLINE, FREE-BASE AMINO-PYRROLIDINONE**



(57) Abstract: A novel process for the asymmetric synthesis of an amino-pyrrolidinone of the type shown below is described. (I) These compounds are useful as intermediates for MMP and TACE inhibitors. Crystalline, free-base form of Compound J ((2R)-2-((3R)-3-amino-3-((2-methyl-4-quinolinyl)methoxy)phenyl)-2-oxopyrrolidinyl)-N-hydroxy-4-methylpentanamide): (II) which is useful as a TACE inhibitor, pharmaceutical compositions comprising the same, and methods of using the same for treating inflammatory diseases are also described.

WO 2004/002956 A3



European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

— as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations

#### Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,

#### Published:

— with international search report  
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:

24 March 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



US007362260B2

(12) **United States Patent**  
Cloutier et al.

(10) **Patent No.:** US 7,362,260 B2  
(45) **Date of Patent:** Apr. 22, 2008

(54) **METHOD OF USING CONTINUOUS-WAVE RADIATION FOR DETECTING AND LOCATING TARGETS HIDDEN BEHIND A SURFACE**

(75) **Inventors:** Paul A. Cloutier, Nassau Bay, TX  
(US); Delbert R. Oehme, Bryan, TX  
(US)

(73) **Assignee:** Innovatum, Inc., Houston, TX (US)

(\*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 301 days.

(21) **Appl. No.:** 10/527,798

(22) **PCT Filed:** Sep. 25, 2003

(86) **PCT No.:** PCT/US03/29981

§ 371 (c)(1).

(2), (4) **Date:** Mar. 15, 2005

(87) **PCT Pub. No.:** WO2004/029562

**PCT Pub. Date:** Apr. 8, 2004

(65) **Prior Publication Data**

US 2005/0237061 A1 Oct. 27, 2005

#### Related U.S. Application Data

(60) Provisional application No. 60/413,757, filed on Sep. 27, 2002, provisional application No. 60/474,962, filed on Jun. 3, 2003.

(51) **Int. Cl.**  
*G01V 3/08* (2006.01)

(52) **U.S. Cl.** 342/127; 324/326; 324/329;  
324/337; 324/637

(58) **Field of Classification Search** 367/87,  
367/93; 342/22, 27, 90

See application file for complete search history.

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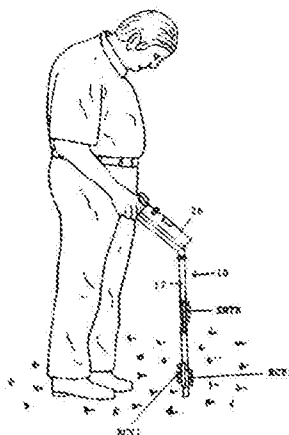
*Primary Examiner*—Jan J. Lobo

(74) *Attorney, Agent, or Firm*—Miles & Stockbridge, P.C.

(57) **ABSTRACT**

Continuous-wave radiation is used to detect a target hidden behind a surface. In an embodiment, a transmitter directs a beam of continuous-wave microwave radiation from a transmitting location, and reflected radiation from the target is received at first and second receiving locations closer to the surface than the transmitting location. The transmitting and receiving locations have spatial relationships such that the phase of reflected radiation received at one receiving location is in quadrature with the phase of reflected radiation received at the other receiving location. In an embodiment, direct transmitted radiation is received at the receiving locations in quadrature.

8 Claims, 12 Drawing Sheets



**PATENT**

**REEL: 042040 FRAME: 0661**

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