

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5415684

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BRUCE CONWAY	09/16/2014
LOUIS E. HALPERIN	09/19/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	OPTCTS, INC.
<b>Street Address:</b>	402 W. BROADWAY, SUITE 1790
<b>City:</b>	SAN DIEGO
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	92101
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16104712
<b>CORRESPONDENCE DATA</b>	
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<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>	8588476700
<b>Email:</b>	lmontano@foley.com
<b>Correspondent Name:</b>	CHRISTOPHER C. BOLTEN
<b>Address Line 1:</b>	FOLEY & LARDNER LLP
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<b>ATTORNEY DOCKET NUMBER:</b>	112267-0402
<b>NAME OF SUBMITTER:</b>	LILLIAN MONTANO FOR CHRIS BOLTEN
<b>SIGNATURE:</b>	/Lillian M. Montano/
<b>DATE SIGNED:</b>	03/11/2019
<b>Total Attachments: 4</b>	
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source=112267-0402_Assign_Invs_OptCTS#page4.tif	

PATENT

For: ☐ U.S. and/or ☐ Foreign Rights  
For: ☐ U.S. Application or  
☒ U.S. Provisional Application  
For: ☐ U.S. Patent  
For: ☐ PCT Application  
By: Sole Inventor

Serial No.: 62/020,294

Filing Date: July 2, 2014

**ASSIGNMENT OF INVENTION**

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

**ASSIGNOR** (Inventor):

Bruce Conway  
(type or print name of inventor)

510 First Avenue East  
Williston, ND 58801  
Address

USA  
Nationality

hereby sells, assigns and transfers to:

**ASSIGNEE:**

OptCTS, Inc.  
(type or print name of ASSIGNEE)

220 South California Avenue  
Suite 220  
Palo Alto, CA 94306  
Address

USA  
Nationality

(a Delaware Corporation)  
Nationality

and the successors, assigns and legal representatives of the ASSIGNEE

- ☒ the entire right, title and interest
- ☒ and in all foreign countries, including all rights to claim priority both in the United States and in all foreign countries, in and to any and all improvements which are disclosed in the invention entitled:

**DATA RECOVERY UTILIZING OPTIMIZED CODE TABLE SIGNALING**

and which is found in:

- (a) ☐ U.S. patent application executed on even date herewith;
- (b) ☒ U.S. provisional patent application no.: 62/020,294 filed on July 2, 2014

and any legal equivalent thereof in a foreign country, including the right to claim priority both in the United States and in all foreign countries and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, non-provisional, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

(Assignment of Invention—Multiple Inventors [16-3.2]—page 1 of 2)

Attorney's Docket No.: 140237P  
Serial No.: 62/020,294

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and he/she will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative(s) any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I have hereunto set hand and seal on the date indicated below.

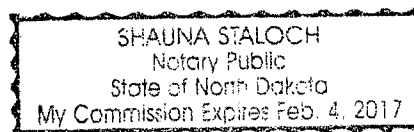
WARNING: The date of signing must be the same as the date of execution of the application, if item (a) was checked above.

Bruce Conway  
(type name of ASSIGNOR)

Bruce Conway 9/16/2014  
Signature of ASSIGNOR Date

☐ Notarization or Legalization Page Added.

State of North Dakota County of Williams  
The foregoing instrument was acknowledged before  
me this 16<sup>th</sup> day of September, 20 14.  
by Bruce Conway  
Shauna Staloch Notary Public  
My Commission Expires 2-4-17



PATENT

For: ☐ U.S. and/or ☐ Foreign Rights  
For: ☐ U.S. Application or  
☒ U.S. Provisional Application  
For: ☐ U.S. Patent  
For: ☐ PCT Application  
By: Sole Inventor

Serial No.: 62/020,294

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**ASSIGNOR** (Inventor):

Louis E. Halperin  
(type or print name of inventor)

3885 S. 177th Avenue  
Omaha, NE 68130-2230  
Address

USA  
Nationality

hereby sells, assigns and transfers to:

**ASSIGNEE:**

OptCTS, Inc.  
(type or print name of ASSIGNEE)

220 South California Avenue  
Suite 220  
Palo Alto, CA 94306  
Address

USA  
Nationality

(a Delaware Corporation)  
Nationality

and the successors, assigns and legal representatives of the ASSIGNEE

☒ the entire right, title and interest

☒ and in all foreign countries, including all rights to claim priority both in the United States and in all foreign countries, in and to any and all improvements which are disclosed in the invention entitled:

**DATA RECOVERY UTILIZING OPTIMIZED CODE TABLE SIGNALING**

and which is found in:

(a) ☐ U.S. patent application executed on even date herewith;

(b) ☒ U.S. provisional patent application no.: 62/020,294 filed on July 2, 2014

and any legal equivalent thereof in a foreign country, including the right to claim priority both in the United States and in all foreign countries and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, non-provisional, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

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(Assignment of Invention—Multiple Inventors [16-3.2]—page 1 of 2)

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and he/she will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative(s) any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I have hereunto set hand and seal on the date indicated below.

WARNING: The date of signing must be the same as the date of execution of the application, if item (a) was checked above.

Louis E. Halperin  
(type name of ASSIGNOR)

*Louis E. Halperin* 9/18/2014  
Signature of ASSIGNOR Date

☐ Notarization or Legalization Page Added.

*State of Nebraska*  
*County of Douglas*

*Signed before me this 18<sup>th</sup> of September, 2014.*

*Josh Scranton*

