

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2625620

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the SPELLING OF THE NAME OF INVENTOR, THOMAS L. PHINNEY previously recorded on Reel 023404 Frame 0980. Assignor(s) hereby confirms the CORRECT SPELLING OF INVENTOR'S NAME IS THOMAS L. PHINNEY.

CONVEYING PARTY DATA

Name	Execution Date
WALLACE A. PRATT JR.	06/18/2008
MARK J. NIXON	06/19/2008
ERIC D. ROTVOLD	06/18/2008
ROBIN S. PRAMANIK	07/11/2008
THOMAS L. PHINNEY	07/10/2008
TOMAS P. LENNVALL	08/18/2008

RECEIVING PARTY DATA

Name:	HART COMMUNICATION FOUNDATION
Street Address:	9390 RESEARCH BOULEVARD
Internal Address:	SUITE I-350
City:	AUSTIN
State/Country:	TEXAS
Postal Code:	78759

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12101021

CORRESPONDENCE DATA

Fax Number: (312)474-0448
 Phone: 312-474-6300
 Email: docket@marshallip.com
Correspondence will be sent via US Mail when the email attempt is unsuccessful.
 Correspondent Name: LILIAN Y. FICHT
 Address Line 1: 233 SOUTH WACKER
 Address Line 2: SUITE 6300

Address Line 4: CHICAGO, ILLINOIS 60606

ATTORNEY DOCKET NUMBER: 31244/42875

NAME OF SUBMITTER: LILIAN Y. FICHT

Signature: /Lilian Y. Ficht/

Date: 11/22/2013

Total Attachments: 16

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TO: MARSHALL GERSTEIN & BORUN LLP COMPANY: 233 SOUTH WACKER DRIVE

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.110/21/2009
500994433

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Wallace A. Pratt Jr.</td> <td>06/18/2008</td> </tr> <tr> <td>Mark J. Nixon</td> <td>06/19/2008</td> </tr> <tr> <td>Eric D. Rotvold</td> <td>06/18/2008</td> </tr> <tr> <td>Robin S. Pramanik</td> <td>07/11/2008</td> </tr> <tr> <td>Tom L. Phinney</td> <td>07/10/2008</td> </tr> <tr> <td>Tomas P. Lennvall</td> <td>08/18/2008</td> </tr> </tbody> </table>		Name	Execution Date	Wallace A. Pratt Jr.	06/18/2008	Mark J. Nixon	06/19/2008	Eric D. Rotvold	06/18/2008	Robin S. Pramanik	07/11/2008	Tom L. Phinney	07/10/2008	Tomas P. Lennvall	08/18/2008
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Tomas P. Lennvall	08/18/2008														
RECEIVING PARTY DATA															
Name:	Hart Communication Foundation														
Street Address:	9390 Research Boulevard														
Internal Address:	Suite I-350														
City:	Austin														
State/Country:	TEXAS														
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Phone:	312/474-6300														
Email:	docket@marshallip.com														
Correspondent Name:	Marshall Gerstein & Borun LLP														
Address Line 1:	233 South Wacker Drive														
Address Line 2:	6300 Sears Tower														
Address Line 4:	Chicago, ILLINOIS 60606														
ATTORNEY DOCKET NUMBER:	31244/42875														

OP \$40.00 12101021

TO: MARSHALL GERSTEIN & BORUN LLP COMPANY: 233 SOUTH WACKER DRIVE

NAME OF SUBMITTER:

Audrey Nagelberg

Total Attachments: 12

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MARSHALL, GERSTEIN & BORUN LLP, 233 S. Wacker Drive, Suite 6300, Sears Tower, Chicago, Illinois 60606-6357

ASSIGNMENT

Serial No: 12/101,021
Filed: April 10, 2008
Title: ENHANCING SECURITY IN A WIRELESS NETWORK

For \$10.00 (Ten Dollars) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assigns to HART COMMUNICATION FOUNDATION, 9390 Research Boulevard, Suite I-350, Austin, Texas 78759 (hereinafter "Assignee"), its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for letters patent of the United States, executed by the undersigned on, June 19, 2008 and in said application and any and all other applications, both in the United States and in other countries, which the undersigned may file or be named as an inventor, either solely or jointly with others, on said invention or improvements, and in any and all letters patent of the United States and other countries, which may be obtained on any of said applications, and in any reissue or extension thereof.

The undersigned hereby authorizes and requests the Commissioner for Patents to issue said letters patent to said Assignee.

The undersigned hereby authorizes and requests that the attorneys of record in said application insert in this assignment the execution date and/or filing date and serial number of said application when officially known.

The undersigned warrants himself to be an owner of the interest herein assigned and to have the right to make this assignment and further warrants that there are no outstanding prior assignments, licenses, or other rights in the interest herein assigned except in favor of Assignee.

For said consideration the undersigned hereby agrees, upon the request and at the expense of said Assignee, its successors and assigns, to execute any and all applications on said invention or improvements, and any necessary oath or affidavit relating thereto, and any application for the reissue or extension of any letters patent that may be granted upon any and all of said applications, and any and all applications and other documents for letters patent in other countries on said invention or improvements, that said Assignee, its successors or assigns, may deem necessary or expedient, and for said consideration the undersigned further agrees upon the request of said Assignee, its successors or assigns, in the event of any application or letters patent assigned herein becoming involved in Interference or Opposition, to cooperate to the best of the ability of the undersigned with said Assignee, its successors or assigns, in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, the undersigned hereby agreeing to perform, upon request, any and all affirmative acts to obtain said letters patent, both in the United States and in other countries, and vest all rights therein hereby conveyed in said Assignee, its successors and assigns, whereby said letters patent will be held and enjoyed by said Assignee, its successors and assigns, to the full end of the term for which said letters patent may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.

31244/42875

PATENT

REEL: 031694 FRAME: 0722

WITNESS my hand this

18 day of June, 2008

State of Texas

County of Travis

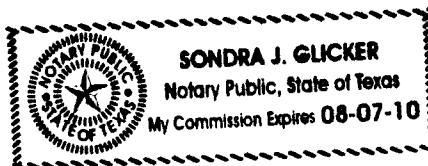
Wallace A. Pratt, Jr.
Wallace A. Pratt, Jr.

On this 18TH day of JUNE, 2008, before me, a Notary Public in and for the County and State aforesaid, appeared, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the same day and year last above given.

My Commission Expires:

AUGUST 7, 2010 Sondra J. Glicker
Notary Public



MARSHALL, GERSTEIN & BORUN LLP, 233 S. Wacker Drive, Suite 6300, Sears Tower, Chicago, Illinois 60606-6357

ASSIGNMENT

Serial No: 12/101,021
Filed: April 10, 2008
Title: ENHANCING SECURITY IN A WIRELESS NETWORK

For \$10.00 (Ten Dollars) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assign to HART COMMUNICATION FOUNDATION, 9390 Research Boulevard, Suite I-350, Austin, Texas 78759 (hereinafter "Assignee"), its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for letters patent of the United States, executed by the undersigned on, June 19, 2008 and in said application and any and all other applications, both in the United States and in other countries, which the undersigned may file or be named as an inventor, either solely or jointly with others, on said invention or improvements, and in any and all letters patent of the United States and other countries, which may be obtained on any of said applications, and in any reissue or extension thereof.

The undersigned hereby authorize and request the Commissioner for Patents to issue said letters patent to said Assignee.

The undersigned hereby authorize and request that the attorneys of record in said application insert in this assignment the execution date and/or filing date and serial number of said application when officially known.

The undersigned warrant themselves to be the owners of the interest herein assigned and to have the right to make this assignment and further warrants that there are no outstanding prior assignments, licenses, or other rights in the interest herein assigned except in favor of Assignee.

For said consideration the undersigned hereby agree, upon the request and at the expense of said Assignee, its successors and assigns, to execute any and all applications on said invention or improvements, and any necessary oath or affidavit relating thereto, and any application for the reissue or extension of any letters patent that may be granted upon any and all of said applications, and any and all applications and other documents for letters patent in other countries on said invention or improvements, that said Assignee, its successors or assigns, may deem necessary or expedient, and for said consideration the undersigned further agree upon the request of said Assignee, its successors or assigns, in the event of any application or letters patent assigned herein becoming involved in Interference or Opposition, to cooperate to the best of the ability of the undersigned with said Assignee, its successors or assigns, in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, the undersigned hereby agreeing to perform, upon request, any and all affirmative acts to obtain said letters patent, both in the United States and in other countries, and vest all rights therein hereby conveyed in said Assignee, its successors and assigns, whereby said letters patent will be held and enjoyed by said Assignee, its successors and assigns, to the full end of the term for which said letters patent may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.

WITNESS my hand this 19th day of June, 2008

State of Illinois

County of Cook

Mark J. Nixon
Mark J. Nixon

On this 19th day of June, 2008, before me, a Notary Public in and for the County and State aforesaid, appeared, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the same day and year last above given.

My Commission Expires: 10/17/2011

Araceli Hernandez
Notary Public



MARSHALL, GERSTEIN & BORUN LLP, 233 S. Wacker Drive, Suite 6300, Sears Tower, Chicago, Illinois 60606-6357

ASSIGNMENT

Serial No: 12/101,021
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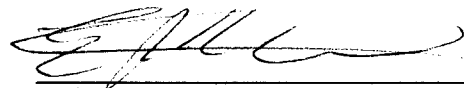
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WITNESS my hand this

18TH day of JUNE, 2008

State of Texas

County of Travis


Eric D. Rotvold

On this 18TH day of JUNE, 2008, before me, a Notary Public in and for the County and State aforesaid, appeared, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the same day and year last above given.

My Commission Expires:

AUGUST 7, 2010 
Notary Public

MARSHALL, GERSTEIN & BORUN LLP, 233 S. Wacker Drive, Suite 6300, Sears Tower, Chicago, Illinois 60606-6357

ASSIGNMENT

Serial No: 12/101,021

Filed: April 10, 2008

Title: ENHANCING SECURITY IN A WIRELESS NETWORK

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PATENT 3124442875

REEL: 031694 FRAME: 0728

WITNESS my hand this 11 day of July, 2008.

Witnesses:

1) Robin S. Pramanik
Name: Robin S. Pramanik

Georg Pirrung
Georg Pirrung

Thomas C.

Thomas Klein

MARSHALL, GERSTEIN & BORUN LLP, 233 S. Wacker Drive, Suite 6300, Sears Tower, Chicago, Illinois 60606-6357

ASSIGNMENT

Serial No: 12/101,021

Filed: April 10, 2008

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WITNESS my hand this 10th day of July, 2008.

State of Arizona Oregon

County of Maricopa Lane

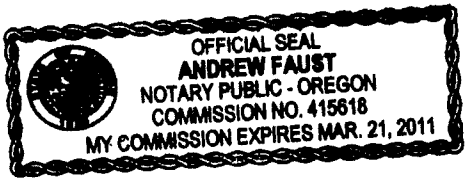
Thomas L. Phinney
Tom Phinney, Thomas L. Phinney

On this 10th day of JULY, 2008, before me, a Notary Public in and for the County and State aforesaid, appeared, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the same day and year last above given.

My Commission Expires: MARCH 21, 2011

Andrew Faust
Notary Public



MARSHALL, GERSTEIN & BORUN LLP, 233 S. Wacker Drive, Suite 6300, Sears Tower, Chicago, Illinois 60606-6357

ASSIGNMENT

Serial No: 12/101,021

Filed: April 10, 2008

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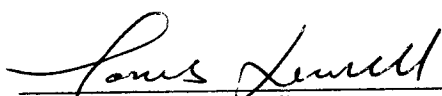
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WITNESS my hand this 18 day of August, 2008.

1) 
Name: Tomas P. Lennvall

Witnesses:
