

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5153088

| | |
|------------------------------|--|
| SUBMISSION TYPE: | CORRECTIVE ASSIGNMENT |
| NATURE OF CONVEYANCE: | Corrective Assignment to correct the NAME OF ASSIGNOR JOHN ALSON HICKS III, PH.D. previously recorded on Reel 023382 Frame 0181. Assignor(s) hereby confirms the ASSIGNMENT. INVENTOR NAME SHOULD READ: HICKS III, JOHN ALSON, PH.D (SEE SUPPORTING DOCUMENT). |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------------|----------------|
| JOHN ALSON HICKS III PH.D | 10/02/2009 |
| NICHOLAS S. HUSLAK PH.D | 10/07/2009 |
| JAMES AROMANDO | 10/09/2009 |
| MICHAEL D. CERCENA | 10/09/2009 |
| FRANCIS JOHN CONNELL | 10/02/2009 |
| MARK W. MUELLER | 10/13/2009 |
| DEVA-DATTA SHARMA | 10/09/2009 |
| J. KIRK SHREWSBURY | 10/02/2009 |

RECEIVING PARTY DATA

| | |
|------------------------|------------------------------------|
| Name: | AT&T INTELLECTUAL PROPERTY I, L.P. |
| Street Address: | 645 E. PLUMB LANE |
| City: | RENO |
| State/Country: | NEVADA |
| Postal Code: | 89502 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 12579436 |

CORRESPONDENCE DATA

Fax Number: (832)213-0279

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.

Phone: 9163413504

Email: jp9856@att.com

Correspondent Name: AT&T LEGAL DEPARTMENT

Address Line 1: ONE AT&T WAY

Address Line 2: ROOM 2A-212

Address Line 4: BEDMINSTER, NEW JERSEY 07921

| | |
|--------------------------------|-------------------|
| ATTORNEY DOCKET NUMBER: | 2008-1900 |
| NAME OF SUBMITTER: | JEANNE PANIAGUA |
| SIGNATURE: | /Jeanne Paniagua/ |
| DATE SIGNED: | 09/21/2018 |

Total Attachments: 11

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PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | | | | | | | | | |
|--|------------------------------------|---------------|------------------------------------|----------------------------|-------------------|-------------------------|------------|-----------------------|------------|---------------------|------------|----------------------|------------|-----------------|------------|-------------------|------------|--------------------|------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr><td>John Alson Hicks Ph.D</td><td>10/02/2009</td></tr> <tr><td>Nicholas S. Huslak Ph.D</td><td>10/07/2009</td></tr> <tr><td>James Aromando</td><td>10/09/2009</td></tr> <tr><td>Michael D. Cercena</td><td>10/09/2009</td></tr> <tr><td>Francis John Connell</td><td>10/02/2009</td></tr> <tr><td>Mark W. Mueller</td><td>10/13/2009</td></tr> <tr><td>Deva-Datta Sharma</td><td>10/09/2009</td></tr> <tr><td>J. Kirk Shrewsbury</td><td>10/02/2009</td></tr> </tbody> </table> | | Name | Execution Date | John Alson Hicks Ph.D | 10/02/2009 | Nicholas S. Huslak Ph.D | 10/07/2009 | James Aromando | 10/09/2009 | Michael D. Cercena | 10/09/2009 | Francis John Connell | 10/02/2009 | Mark W. Mueller | 10/13/2009 | Deva-Datta Sharma | 10/09/2009 | J. Kirk Shrewsbury | 10/02/2009 |
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| Deva-Datta Sharma | 10/09/2009 | | | | | | | | | | | | | | | | | | |
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| RECEIVING PARTY DATA | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 20%;">Name:</td><td>AT&T Intellectual Property I, L.P.</td></tr> <tr><td>Street Address:</td><td>645 E. Plumb Lane</td></tr> <tr><td>City:</td><td>Reno</td></tr> <tr><td>State/Country:</td><td>NEVADA</td></tr> <tr><td>Postal Code:</td><td>89502</td></tr> </table> | | Name: | AT&T Intellectual Property I, L.P. | Street Address: | 645 E. Plumb Lane | City: | Reno | State/Country: | NEVADA | Postal Code: | 89502 | | | | | | | | |
| Name: | AT&T Intellectual Property I, L.P. | | | | | | | | | | | | | | | | | | |
| Street Address: | 645 E. Plumb Lane | | | | | | | | | | | | | | | | | | |
| City: | Reno | | | | | | | | | | | | | | | | | | |
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| Property Type | Number | | | | | | | | | | | | | | | | | | |
| Application Number: | 12579436 | | | | | | | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | | | | | | | |
| <p>Fax Number: (919)469-4139</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 919-469-2629</p> <p>Email: scott@scottzimmerman.com</p> <p>Correspondent Name: Scott P. Zimmerman, PLLC</p> <p>Address Line 1: P. O. Box 3822</p> <p>Address Line 4: Cary, NORTH CAROLINA 27519</p> | | | | | | | | | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | 2008-1900 | | | | | | | | | | | | | | | | | | |

OP \$40.00 12579436

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PATENT
REEL: 023382 FRAME: 0181
PATENT
REEL: 047125 FRAME: 0383

NAME OF SUBMITTER:

Scott P. Zimmerman

Total Attachments: 9

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PATENT

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PATENT

REEL: 047125 FRAME: 0384

ASSIGNMENT

THIS ASSIGNMENT, made by John Alson Hicks III, Ph.D., Nicholas S. Huslak, Ph.D., James Aromando, Michael D. Cercena, Francis John Connell, Mark W. Mueller, Deva-Datta Sharma, and J. Kirk Shrewbury;

WITNESSETH: That,

WHEREAS, we are the sole inventors of certain new and useful improvements in communications and in alarm systems for which an application is being filed in the United States Patent and Trademark Office. We hereby authorize and request Scott P. Zimmerman, PLLC to file this Assignment concurrently with the application; and

WHEREAS, **AT&T Intellectual Property I, L.P.**, a Corporation of the State of Nevada, having a place of business at 645 E. Plumb Lane, Reno, NV 89502, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

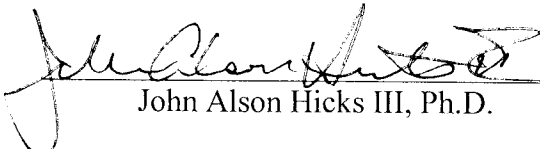
NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues or other forms of protection thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted along with any term extensions thereon or therefor, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made.

We hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

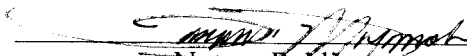
I further covenant and agree to communicate to said assignee or its representatives any facts known to me relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors, or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns, and other legal representatives; and I hereby instruct, and further covenant and agree to bind my heirs, legal representatives, and assigns, to do same, without further compensation, but at the expense of said assignee or its representatives.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 2 day of October, 2009.

 (Signature)
John Alson Hicks III, Ph.D.

STATE OF Georgia)
) ss:
COUNTY OF Fulton)

Before me personally appeared the person described in and who executed the foregoing instrument, and s/he acknowledged to me that s/he executed the same for the purposes therein stated, this 2 day of October, 2009.


Notary Public



My Commission Expires: June 3, 2013

Attorney Docket No. 2008-1900

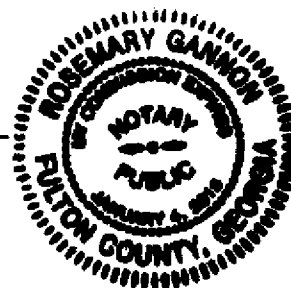
IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 07th day of October, 2009.

Nicholas S. Huslak, Ph.D. (Signature)
Nicholas S. Huslak, Ph.D.

STATE OF Georgia)
) ss:
COUNTY OF Fulton)

Before me personally appeared the person described in and who executed the foregoing instrument, and s/he acknowledged to me that s/he executed the same for the purposes therein stated, this 7 day of October, 2009.

Rosemary Gannon
Notary Public



SEAL

My Commission Expires: 1-4-2013

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 9th day of October, 2009.

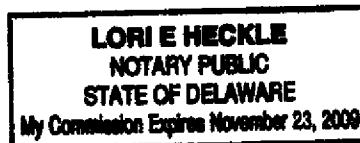
Michael D. Cercena (Signature)
Michael D. Cercena

STATE OF Delaware)
) ss:
COUNTY OF New Castle

Before me personally appeared the person described in and who executed the foregoing instrument, and s/he acknowledged to me that s/he executed the same for the purposes therein stated, this 9 day of October, 2009.

Lori E. Heckle
Notary Public

SEAL
My Commission Expires: _____



Attorney Docket No. 2008-1900

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 13 day of
October, 2009.

Mark W. Mueller (Signature)
Mark W. Mueller

STATE OF New Jersey, ss:
COUNTY OF Monmouth

Before me personally appeared the person described in and who executed the foregoing
instrument, and s/he acknowledged to me that s/he executed the same for the purposes therein
stated, this 13th day of October, 2009.

Jennifer Calucci
Notary Public

SEAL -
My Commission Expires:

4/14/2013

Attorney Docket No. 2008-1900

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 09 day of October, 2009.

Deva Datta Sharma (Signature)
Deva-Datta Sharma

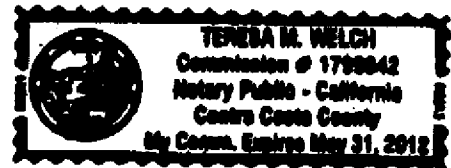
STATE OF California)
) ss:
COUNTY OF Contra Costa

Before me personally appeared the person described in and who executed the foregoing instrument, and s/he acknowledged to me that ~~s/he~~ executed the same for the purposes therein stated, this 9th day of October, 2009.


Notary Public

SEAL

My Commission Expires: 31 May 2012



IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 02 day of October, 2009.

J. Kirk Shrewsbury (Signature)
J. Kirk Shrewsbury

STATE OF GEORGIA)
) ss:
COUNTY OF FULTON)

Before me personally appeared the person described in and who executed the foregoing instrument, and s/he acknowledged to me that s/he executed the same for the purposes therein stated, this 2 day of October, 2009.

Davinda LeGall
Notary Public

SEAL
My Commission Expires: February 11, 2012

