

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| John M. Cioffi | 02/13/2009 |
| George Ginis | 02/13/2009 |
| Peter J. Silverman | 02/13/2009 |
| Bin Lee | 02/17/2009 |
| Richard Dennis Hart | 02/21/2009 |

RECEIVING PARTY DATA

| | |
|-------------------|----------------------------------------------|
| Name: | Adaptive Spectrum and Signal Alignment, Inc. |
| Street Address: | 303 Twin Dolphin Drive |
| Internal Address: | Suite 203 |
| City: | Redwood City |
| State/Country: | CALIFORNIA |
| Postal Code: | 94065-1417 |

| | |
|-------------------|------------------------------|
| Name: | AT&T Knowledge Ventures L.P. |
| Street Address: | 6500 River Place Boulevard |
| Internal Address: | Building III, Room 112 |
| City: | Austin |
| State/Country: | TEXAS |
| Postal Code: | 78730 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 12226939 |

CORRESPONDENCE DATA

Fax Number: (408)720-8383

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

PATENT

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REEL: 022308 FRAME: 0421

CH \$40.00 12226939

Phone: (408) 720-8300
Email: natasha_french@bstz.com
Correspondent Name: Blakely Sokoloff Taylor & Zafman LLP
Address Line 1: 1279 Oakmead Parkway
Address Line 4: Sunnyvale, CALIFORNIA 94085-4040

ATTORNEY DOCKET NUMBER:

8241P040

NAME OF SUBMITTER:

Gregory D. Caldwell

Total Attachments: 3

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Attorney's Docket No.: 8241P040

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned:

John M Cioffi; George Ginis; Peter J. Silverman; Bin Lee; Richard Dennis Hart

hereby sell, assign, and transfer to:

Adaptive Spectrum and Signal Alignment, Inc.

a Corporation of California, having a principal place of business at 303 Twin Dolphin Drive, Suite 203, Redwood City, California 94065-1417 United States, and

AT&T Knowledge Ventures L.P.

a Corporation of Texas, having a principal place of business at 6500 River Place Boulevard, Building III, Rm 112, Austin, Texas 78730 United States ("Assignees"), and their successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the application (provisional or non-provisional) for the United States patent which may have a declaration executed by the undersigned prior hereto or concurrently herewith and is entitled

METHODS AND APPARATUS TO PERFORM LINE TESTING AT CUSTOMER PREMISES

said patent application also identified as follows (when known):

[I/we hereby authorize an attorney or agent for said Assignees to insert below the application number and filing date of said patent application when known.]

United States Patent Application Number 12/226,939 filed October 31, 2008

and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignees may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignees, their successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignees, their successors, assigns, and representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignees, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignees, its successors, assigns, and legal representatives; and

covenant with said Assignees, their successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each Inventor: Please Sign and Date Below:

2/13/09
Date

John M. Cioffi
Name: John M Cioffi

2/13/2009
Date

G. Ginis
Name: George Ginis

2/13/2009
Date

Peter J. Silverman
Name: Peter J. Silverman

2/21/2009
Date

Richard D. Hart
Name: Richard Dennis Hart

Date

Name:

Date

Name:

Date

Name:

Date

Name:

Date

Name:

Date

Name:

Date

Name:

Assignment Document Return Address:
BLAKELY, SOKOLOFF, TAYLOR & ZAPMAN LLP
1279 Oakmead Parkway
Sunnyvale, CA 94085-4040
Telephone: (503) 439-8778

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Each Inventor; Please Sign and Date Below:

Date

Name: John M Cioffi

Date

Name: George Giris

Date

Name: Peter J. Silverman

Date

Name: Bin Lee

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Name: Richard Dennis Hart

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