

**ASSIGNMENT RECORDATION COVER SHEET  
-PATENTS ONLY-**

To: Mail Stop Assignment Recordation Services  
Director of the USPTO  
P.O. Box 1450  
Alexandria, VA 22313-1450

Please record the attached document(s) and/or new address(es) below.

1. **Names of six (6) conveying parties and execution dates (no other conveying parties attached):**

a) John M. Cioffi	02 October 2006	d) Sumanth Jagannathan	01 October 2006
b) Wonjong Rhee	29 September 2006	e) Peter J. Silverman	29 September 2006
c) Georgios Ginis	29 September 2006	f) Mehdi Mohseni	29 September 2006

2. **Name and address of receiving party (no other receiving parties attached):**

a) Name: Adaptive Spectrum and Signal Alignment, Inc.  
Address: 203 Redwood Shores Parkway, Suite 250  
Redwood City, California 94065-1198 USA

3. **Nature of conveyances (the undersigned certifies that the attached copies are true copies, MPEP § 302.01):**

<input checked="" type="checkbox"/> Assignments	<input type="checkbox"/> Merger	<input type="checkbox"/> Security Agreement
<input type="checkbox"/> Change of Name	<input type="checkbox"/> License Agreement	<input type="checkbox"/> Other _____

4. **Application Number or Patent Number:**

International Application No. PCT/US2006/038605  
Title of application: DSL SYSTEM  
Attorney Docket No. 0101-p29 WO

5. **Please send all correspondence concerning this document to:**

Sylke Law Offices, LLC  
756 N. Milwaukee Street, Suite 210  
Milwaukee, WI 53202-3719

Customer Number: 36171

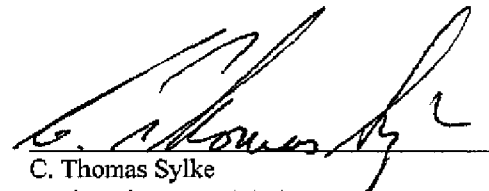
Phone: 414-431-2317

6. **Total number of applications and patents involved: 1**

7. **Total fee (37 CFR §§ 1.21(h) & 3.41): \$40.00**

☒ Charge to deposit account 503349 (Order No. 0101-p29WOAR)(authorized signatory below)  
☒ Any additional fees are authorized to be charged to Deposit Account No. 503349 (same Order No.)  
☐ Enclosed

Date: April 12, 2007

  
C. Thomas Sylke  
Registration No. 32,312

Total of 7 pages for recording, including this cover sheet and attachments

CH \$40.00 503349 US0638605

## ASSIGNMENT OF PATENT APPLICATION

Whereas I, an undersigned inventor, have invented certain new and useful improvements as set forth in the patent application entitled:

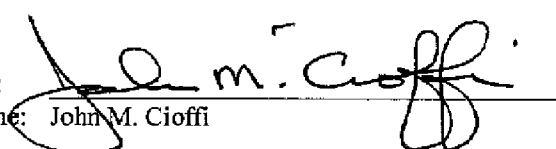
### DSL SYSTEM

(Atty. Docket No. 0101-p29 WO), to be filed as a PCT application on or about October 03, 2006.

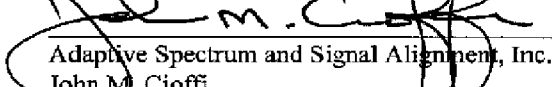
For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, an undersigned inventor, hereby:

- 1) Sell, assign and transfer to Adaptive Spectrum and Signal Alignment, Inc., a California corporation having a place of business at 203 Redwood Shores Parkway, Suite 250, Redwood City, California 94065-1198 ("ASSIGNEE"), the entire right, title and interest in any and all improvements and inventions disclosed in, applications based upon, and patents granted upon, the above-referenced application, including international applications and foreign applications and patents and the right to claim priority from the above-referenced application.
- 2) Authorize and request the United States Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division, continuation, substitute, renewal, re-examination or reissue thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representative, and shall be binding upon the inventor, as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.
- 6) Authorize and request my attorney/agent to take any appropriate action in order to assist with recordal of this assignment.

Signed on the date indicated beside my signature.

Inventor - Signature:   
Typed Name: John M. Cioffi

Date: 10-2-06

Assignee - Signature:   
Assignee: Adaptive Spectrum and Signal Alignment, Inc.  
By: John M. Cioffi  
Title: CEO

Date: 10-2-06

Attorney Docket No. 0101-p29 WO

PATENT  
REEL: 019162 FRAME: 0483

## ASSIGNMENT OF PATENT APPLICATION

Whereas I, an undersigned inventor, have invented certain new and useful improvements as set forth in the patent application entitled:

### DSL SYSTEM

(Atty. Docket No. 0101-p29 WO), to be filed as a PCT application on or about October 03, 2006.

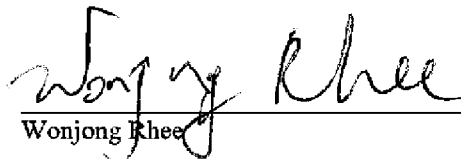
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Signed on the date indicated beside my signature.

Inventor - Signature:

Typed Name:

  
Wonjong Khee

Date:

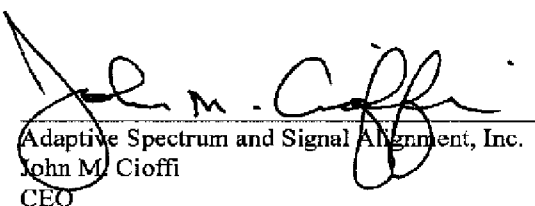
Sept. 29, 2006

Assignee - Signature:

Assignee:

By:

Title:

  
Adaptive Spectrum and Signal Alignment, Inc.  
John M. Cioffi  
CEO

Date:

10-2-06

Attorney Docket No. 0101-p29 WO

PATENT  
REEL: 019162 FRAME: 0484

## ASSIGNMENT OF PATENT APPLICATION

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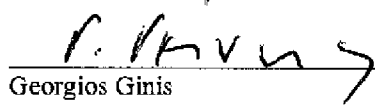
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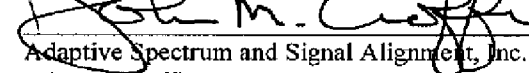
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Signed on the date indicated beside my signature.

Inventor - Signature:   
Typed Name: Georgios Ginis

Date: 9/29/2006

Assignee - Signature:   
Assignee: Adaptive Spectrum and Signal Alignment, Inc.  
By: John M. Cioffi  
Title: CEO

Date: 10-2-06

Attorney Docket No. 0101-p29 WO

PATENT  
REEL: 019162 FRAME: 0485

## ASSIGNMENT OF PATENT APPLICATION

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### DSL SYSTEM

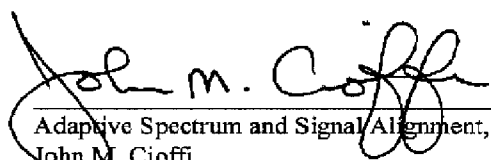
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- 6) Authorize and request my attorney/agent to take any appropriate action in order to assist with recordal of this assignment.

Signed on the date indicated beside my signature.

Inventor - Signature:  Date: 10/01/2006  
Typed Name: Sumanth Jagannathan

Assignee - Signature:  Date: 10-2-06  
Assignee: Adaptive Spectrum and Signal Alignment, Inc.  
By: John M. Cioffi  
Title: CEO

Attorney Docket No. 0101-p29 WO

PATENT  
REEL: 019162 FRAME: 0486

## ASSIGNMENT OF PATENT APPLICATION

Whereas I, an undersigned inventor, have invented certain new and useful improvements as set forth in the patent application entitled:

### DSL SYSTEM

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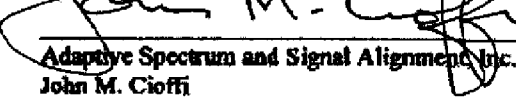
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Signed on the date indicated beside my signature.

Inventor - Signature:   
Typed Name: Peter J. Silverman

Date:

9/30/06

Assignee - Signature:   
Assignee: Adaptive Spectrum and Signal Alignment, Inc.  
By: John M. Cioffi  
Title: CEO

Date:

10-2-06

Attorney Docket No. 0101-p29 WO

## ASSIGNMENT OF PATENT APPLICATION

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Signed on the date indicated beside my signature.

Inventor - Signature: \_\_\_\_\_

Typed Name: Mehdi Mohseni

Date: 09-29-2006

Assignee - Signature: \_\_\_\_\_

Assignee: Adaptive Spectrum and Signal Alignment, Inc.

By: John M. Cioffi

Title: CEO

Date: 10-2-06

Attorney Docket No. 0101-p29 WO

PATENT  
REEL: 019162 FRAME: 0488

**SYLKE LAW OFFICES, LLC**

756 NORTH MILWAUKEE STREET, SUITE 210  
MILWAUKEE, WISCONSIN 53202  
PHONE 414-431-2317  
FAX 414-431-1317

**FAX TRANSMITTAL COVER SHEET**Date: **April 12, 2007**Total number of pages including cover sheet: **8**

To: Mail Stop Assignment Recordation Services  
United States Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

Fax No.: **571-273-0140**From: **C. Thomas Sylke**Comments: **Sir or Madam:**

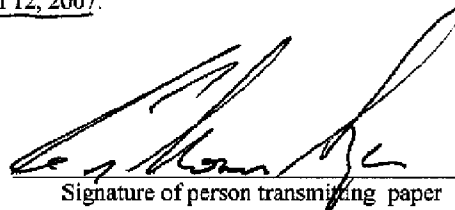
Attached please find papers for recording as indicated in International Application PCT/US2006/038605 (Atty. Docket No. 0101-p29 WO). Please contact the undersigned if you have any questions. Thank you for your assistance.

C. Thomas Sylke  
Reg. No. 32,312

**CERTIFICATE OF FACSIMILE TRANSMISSION**

I hereby certify that the attached cover sheet and attachments are being transmitted by facsimile to Mail Stop Assignment Recordation Services at the United States Patent and Trademark Office (Fax No. **571-273-0140**), on April 12, 2007.

C. Thomas Sylke  
Printed name of person transmitting paper

  
Signature of person transmitting paper

IF YOU DO NOT RECEIVE ALL PAGES, PLEASE CALL IMMEDIATELY AT:

**414-431-2317****IMPORTANT: PLEASE DELIVER IMMEDIATELY**

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