

**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 conveying parties (no other conveying parties attached):**

- a) John M. Cioffi Execution Date: 17 February 2006
- b) Wonjong Rhee Execution Date: 17 February 2006
- c) Bin Lee Execution Date: 17 February 2006
- d) Iker Almandoz Execution Date: 17 February 2006
- e) Georgios Ginis Execution Date: 17 February 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):**

- Assignments  Merger  Security Agreement
- Change of Name  License Agreement  Other \_\_\_\_\_

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

U.S. Serial No. 11/341,969  
Title of application: SELF-LEARNING AND SELF-ADJUSTING DSL SYSTEM  
Attorney Docket No. 0101-p25

**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-p25AR)(authorized signatory below)
- Any additional fees are authorized to be charged to Deposit Account No. 503349 (same Order No.)
- Enclosed

Date: April 6, 2006

  
C. Thomas Sylke  
Registration No. 32,312

Total of 6 pages for recording, including cover sheet and attachments

## ASSIGNMENT OF PATENT APPLICATION

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

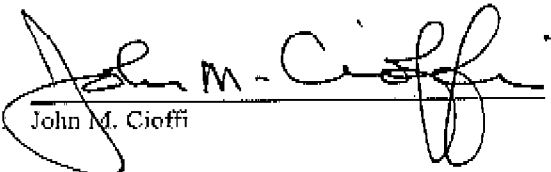
### SELF-LEARNING AND SELF-ADJUSTING DSL SYSTEM

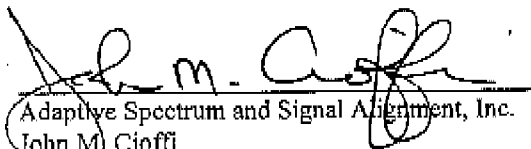
(Atty. Docket No. 0101-p25), filed January 28, 2006, which bears United States Application No. 11/341,969.

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 foreign applications and patents and the right to claim priority from the above-referenced application.
- 2) Authorize and request the 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:  Date: 2-17-06  
 Typed Name: John M. Cioffi

Assignee - Signature:  Date: 2-17-06  
 Assignee: Adaptive Spectrum and Signal Alignment, Inc.  
 By: John M. Cioffi  
 Title: CEO

## ASSIGNMENT OF PATENT APPLICATION

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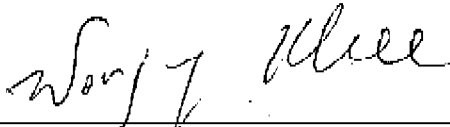
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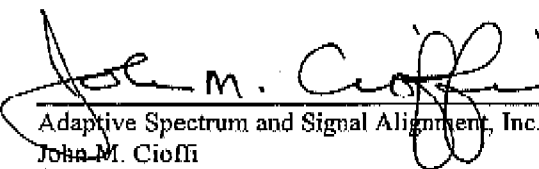
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Signed on the date indicated beside my signature.

Inventor - Signature:  Date: 2-17-06  
 Typed Name: Wonjong Rhoo

Assignee - Signature:  Date: 2-17-06  
 Assignee: Adaptive Spectrum and Signal Alignment, Inc.  
 By: John M. Cioffi  
 Title: CEO

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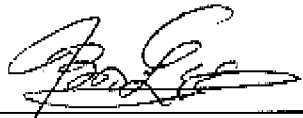
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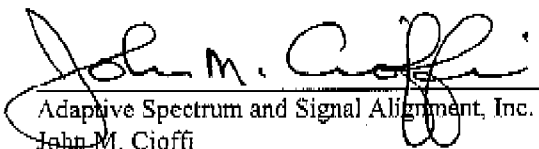
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Signed on the date indicated beside my signature.

Inventor - Signature:   
 Typed Name: Bin Lee Date: 2-17-06

Assignee - Signature:   
 Assignee: Adaptive Spectrum and Signal Alignment, Inc.  
 By: John M. Cioffi  
 Title: CEO Date: 2-17-06

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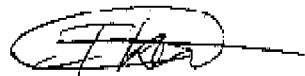
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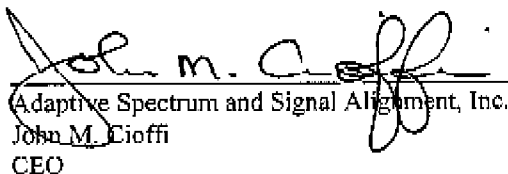
Signed on the date indicated beside my signature.

Inventor - Signature: \_\_\_\_\_  
 Typed Name: Iker Almandoz



Date: 2-17-06

Assignee - Signature: \_\_\_\_\_  
 Assignee: \_\_\_\_\_  
 By: \_\_\_\_\_  
 Title: \_\_\_\_\_

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

Date: 2-17-06

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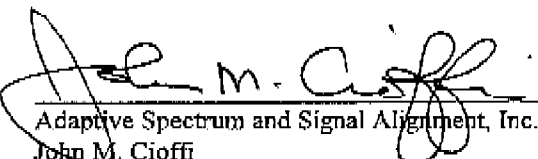
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Inventor - Signature:  Date: 2-17-06  
 Typed Name: Georgios Ginis

Assignee - Signature:  Date: 2-17-06  
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 By: John M. Cioffi  
 Title: CEO