

PATENT ASSIGNMENT

Electronic Version v1.1
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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>Akbar Sayeed</td> <td>06/10/2009</td> </tr> <tr> <td>Robert Nowak</td> <td>06/17/2009</td> </tr> <tr> <td>Waheed Bajwa</td> <td>06/17/2009</td> </tr> <tr> <td>Jarvis Haupt</td> <td>06/18/2009</td> </tr> </tbody> </table>		Name	Execution Date	Akbar Sayeed	06/10/2009	Robert Nowak	06/17/2009	Waheed Bajwa	06/17/2009	Jarvis Haupt	06/18/2009
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Akbar Sayeed	06/10/2009										
Robert Nowak	06/17/2009										
Waheed Bajwa	06/17/2009										
Jarvis Haupt	06/18/2009										
RECEIVING PARTY DATA											
Name:	Wisconsin Alumni Research Foundation										
Street Address:	614 Walnut Street										
City:	Madison										
State/Country:	WISCONSIN										
Postal Code:	53726										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12390323</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12390323						
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Application Number:	12390323										
CORRESPONDENCE DATA											
Fax Number:	(608)262-6104										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	608-263-7677										
Email:	ntannan@warf.org										
Correspondent Name:	Jessica Wartenweiler										
Address Line 1:	614 Walnut Street										
Address Line 2:	13th Floor										
Address Line 4:	Madison, WISCONSIN 53726										
ATTORNEY DOCKET NUMBER:	P09135US										
NAME OF SUBMITTER:	Jessica Wartenweiler										

CH \$40.00 12390323

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**PATENT
 REEL: 022887 FRAME: 0638**

Total Attachments: 5

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ASSIGNMENT
(Joint Inventors)

I am one of the persons identified as an inventor and who has contributed to a certain new and useful invention (the "Invention"), as set forth in an application for United States Letters Patent, bearing substantially the following title and bearing the following serial number. The application was executed by me, and it was filed on the indicated date:

Title: METHOD FOR PROBING AND LEARNING SPARSE MULTIPATH CHANNELS

Serial Number: 12/390323

Date Filed: February 20, 2009

The assignee under this agreement is hereby authorized to insert the filing date and serial number referred to above, when ascertained.

For good and valuable consideration, I do hereby sell, assign, and transfer to the Wisconsin Alumni Research Foundation (hereinafter "WARF") a non-stock, non-profit Wisconsin corporation, and to its legal representatives, successors, and assigns, my entire right, title and interest in and to the Invention and to all United States and foreign patent applications any of whose claims cover all or part of the Invention, together with all patents resulting from such applications. WARF shall hold such right, title, and interest as fully and completely as they would have been held by me had this assignment and sale not been made.

I agree, upon WARF's request, to execute or assent to such United States and foreign patent applications and to execute all separate assignments and other legal documents that WARF may find necessary or desirable in its exercise of the right, title, and interest assigned above. I also agree to communicate to WARF any facts relating to the Invention or to any of the patent applications or patents contemplated above that may be useful to WARF and to testify as to such facts in any interferences or in litigation, if requested to do so. I shall do all these things without additional compensation but at no expense to me.

Ref: P09135US
Wisconsin Alumni Research Foundation

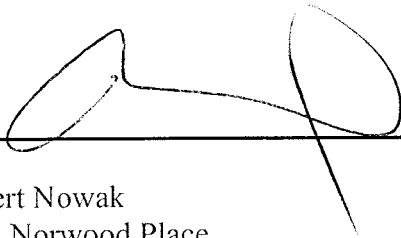
ASSIGNMENT

Wisconsin Alumni Research Foundation

Ref: P09135US

App.#: 12/390323, Filed: February 20, 2009

Inventor: _____



Robert Nowak
2515 Norwood Place
Madison, WI 53726

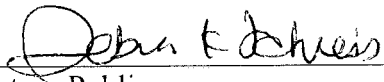
Date: _____

6/17/09

State of Wisconsin)
)ss.
County of Dane)

On this 17 day of June, 2009 before me personally appeared Robert Nowak, known to me to be the person identified above as the "Inventor," who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL



Notary Public

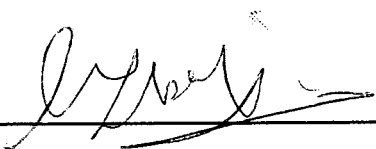
My Commission expires: Oct 31, 2010

ASSIGNMENT

Wisconsin Alumni Research Foundation

Ref: P09135US

App.#: 12/390323, Filed: February 20, 2009

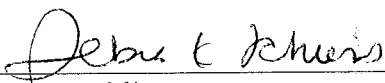
Inventor: 

Date: 06/17/2009

Waheed Bajwa
810 Eagle Heights
Unit C
Madison, WI 53705

State of Wisconsin)
)ss.
County of Dane)

On this 17 day of June, 2009 before me personally appeared Waheed Bajwa, known to me to be the person identified above as the "Inventor," who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL 
Notary Public

My Commission expires: Oct 31, 2010

ASSIGNMENT

Wisconsin Alumni Research Foundation

Ref: P09135US

App.#: 12/390323, Filed: February 20, 2009

Inventor: Jarvis Haupt

Date: 6/18/09

Jarvis Haupt
5354 Congress Ave.
Apt. 1
Madison, WI 53718

State of Wisconsin)
)ss.
County of Dane)

On this 18 day of June, 2009 before me personally appeared Jarvis Haupt, known to me to be the person identified above as the "Inventor," who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL

Debra K Johnson
Notary Public

My Commission expires: Oct 31, 2010