

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT																		
NATURE OF CONVEYANCE:	Corrective Assignment to correct the list of names of conveying parties previously recorded on Reel 027801 Frame 0786. Assignor(s) hereby confirms the eighth and final inventor, Douglas L. McMakin should also be listed.																		
<b>CONVEYING PARTY DATA</b>																			
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Bruce E. Bernacki</td> <td>02/29/2012</td> </tr> <tr> <td>James F. Kelly</td> <td>02/29/2012</td> </tr> <tr> <td>David M. Sheen</td> <td>02/29/2012</td> </tr> <tr> <td>Jonathan R. Tedeschi</td> <td>02/29/2012</td> </tr> <tr> <td>Thomas E. Hall</td> <td>02/29/2012</td> </tr> <tr> <td>Brian K. Hatchell</td> <td>02/29/2012</td> </tr> <tr> <td>Patrick Valdez</td> <td>02/29/2012</td> </tr> <tr> <td>Douglas L. McMakin</td> <td>02/29/2012</td> </tr> </tbody> </table>		Name	Execution Date	Bruce E. Bernacki	02/29/2012	James F. Kelly	02/29/2012	David M. Sheen	02/29/2012	Jonathan R. Tedeschi	02/29/2012	Thomas E. Hall	02/29/2012	Brian K. Hatchell	02/29/2012	Patrick Valdez	02/29/2012	Douglas L. McMakin	02/29/2012
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<b>RECEIVING PARTY DATA</b>																			
<table border="1"> <tr> <td>Name:</td> <td>Battelle Memorial Institute</td> </tr> <tr> <td>Street Address:</td> <td>902 BATTELLE BOULEVARD</td> </tr> <tr> <td>City:</td> <td>RICHLAND</td> </tr> <tr> <td>State/Country:</td> <td>WASHINGTON</td> </tr> <tr> <td>Postal Code:</td> <td>99352</td> </tr> </table>		Name:	Battelle Memorial Institute	Street Address:	902 BATTELLE BOULEVARD	City:	RICHLAND	State/Country:	WASHINGTON	Postal Code:	99352								
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<b>PROPERTY NUMBERS Total: 1</b>																			
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13410923</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13410923														
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<b>CORRESPONDENCE DATA</b>																			
Fax Number:	(503)595-5301																		
Phone:	503-595-5300																		
Email:	ILKA.DALTON@KLARQUIST.COM																		
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>																			
Correspondent Name:	KLARQUIST SPARKMAN, LLP (MDJ)																		
Address Line 1:	121 SW SALMON ST., #1600																		

CH \$40.00 13410923

Address Line 4: PORTLAND, OREGON 97204

ATTORNEY DOCKET NUMBER:

23-88051-01

NAME OF SUBMITTER:

Ilka Dalton

Total Attachments: 10

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**RECORDATION FORM COVER SHEET – PATENTS ONLY**

DIRECTOR OF PATENTS AND TRADEMARKS  
P.O. BOX 1450  
ALEXANDRIA, VA 22313-1450

**1. Total number of pages including cover sheet, attachments and document: 10**

**2. Name of Conveying Party(ies) and Execution Date(s) of Document(s)**  Check here if additional name(s) attached

Name(s): Bruce E. Bernacki, James F. Kelly, David M. Sheen, Jonathan R. Tedeschi, Thomas E. Hall,  
Brian K. Hatchell, Patrick Valdez and Douglas L. McMakin  
Execution Date(s): 02/29/2012

**3. Name and address of receiving party**  Check here if additional name(s) & address(es) are attached

Name Battelle Memorial Institute  
Address 902 BATTELLE BOULEVARD  
City RICHLAND State/Country WA Zip 99352

**4. Nature of Conveyance**

Assignment  Merger  Security Agreement  Name Change  Government Interest Assignment  
 Joint Research Assignment  Executive Order 9424, Confirmatory License  Other:

**5. Total number of applications and patents involved: One**

**6. Total Fee (37 C.F.R. 1.21(h) § 3.41): \$40.00**

Fee is being paid herewith via deposit account 02-4550.  Fee is enclosed.

**7.  Check here if any deficiency/overpayment is authorized to be charged to deposit account 02-4550**

**8. Enter either the Execution date (of the Declaration and Power of Attorney), Application Number, or the Patent Number. Do not enter more than one number for the same patent.**

A.  This document is being filed with a new application. Execution date is: 02/29/2012  
B.  Patent Application No.(s) or Patent No.(s):  
 Check here if additional numbers are attached

**9. Correspondent's name, address, and telephone number**

Michael D. Jones, Ph.D.  
Klarquist Sparkman, LLP  
One World Trade Center, Suite 1600  
121 S.W. Salmon Street  
Portland, Oregon 97204-2988  
Telephone: 503-595-5300  
Facsimile: 503-595-5301

**10.  Please return the attached postcard to confirm that these items have been received.**

**11. Statement and signature** *To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Michael D. Jones, Ph.D.



March 2, 2012

Name of Person Signing

Signature

Date

## ASSIGNMENT

WHEREAS, we, Bruce E. Bernacki, James F. Kelly, David M. Sheen, Jonathan R. Tedeschi, Thomas E. Hall, Brian K. Hatchell, Patrick Valdez, and Douglas L. McMakin (Inventors), have invented a certain invention, entitled PASSIVE MILLIMETER WAVE DIFFERENTIAL INTERFERENCE CONTRAST POLARIMETRY, for which we are making application for Letters Patent of the United States, said application having been executed by us on the 29<sup>th</sup> day of February, 2012, and which application is referred to as "the patent application."

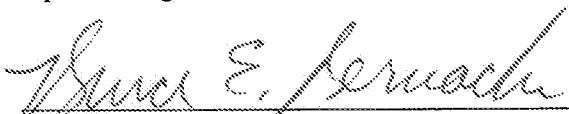
WHEREAS, Battelle Memorial Institute, a corporation organized under the laws of the State of Ohio, having a place of business in the city of Richland, Washington, desires to acquire an interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, the Inventors hereby sell, assign and transfer to Battelle Memorial Institute, the full and exclusive right, title and interest in and to said invention, patent application and patent rights throughout the world, including foreign patent priority rights, the right to file and prosecute International Applications under the Patent Cooperation Treaty, and the right to file and prosecute applications under the European Patent Convention; said invention, patent application and letters patent in this or any foreign country, and all corresponding non-provisional applications, divisions, continuations, continuations-in-part, reissues and extensions thereof, to be held and enjoyed by Battelle Memorial Institute, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted the United States or any foreign country, as fully and entirely as the same would have been held by us had this assignment and sale not been made, and covenant that we have full right so to do, and agree that we will communicate to Battelle Memorial Institute, or its successors and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid Battelle Memorial Institute, its successors and assigns to obtain and enforce proper patent protection for said invention in the United States or any foreign country.

We confirm that at the time the invention was made, we were under an obligation to assign the invention to Battelle Memorial Institute.

We hereby grant the law firm of Klarquist Sparkman, LLP, the power to insert on this Assignment any further information which may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

Executed at the place and date opposite our respective signatures below.


  
Bruce E. Bernacki

At Richland, Washington  
(City and State)

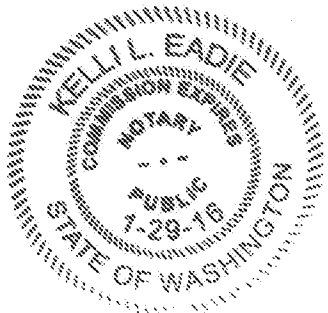
on this 29 day of February, 2012.

STATE OF WASHINGTON )  
) ss.  
COUNTY OF BENTON )

This 29 day of February, 2012, before me personally came the above-named Bruce E. Bernacki, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by Bruce E. Bernacki's own free will for the purpose set forth therein.

  
Notary Public For WASHINGTON  
My commission expires: 1/29/16

[SEAL]



*James F. Kelly*  
James F. Kelly

At Richland, Washington  
(City and State)  
on this 29 day of February, 2012.

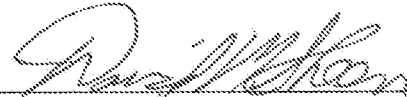
STATE OF WASHINGTON )  
                                  ) ss.  
COUNTY OF BENTON )

This 29 day of February, 2012, before me personally came the above-named James F. Kelly, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by James F. Kelly's own free will for the purpose set forth therein.



[SEAL]

*Kelli L. Eadie*  
Notary Public For WASHINGTON  
My commission expires: 1/29/16



David M. Sheen

At Richland, Washington  
(City and State)

on this 27 day of February, 2012.

STATE OF WASHINGTON )  
 ) ss.  
COUNTY OF BENTON )

This 27 day of February, 2012, before me personally came the above-named David M. Sheen, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by David M. Sheen's own free will for the purpose set forth therein.



Notary Public For WASHINGTON  
My commission expires: 1/29/16

[SEAL]

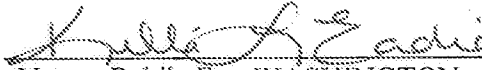


  
Jonathan R. Tedeschi

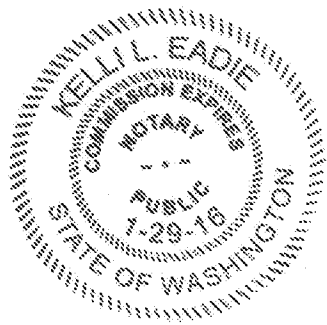
At Richland, Washington  
(City and State)  
on this 29 day of February, 2012.

STATE OF WASHINGTON )  
) ss.  
COUNTY OF BENTON )

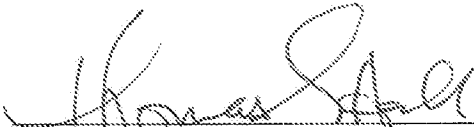
This 27 day of February, 2012, before me personally came the above-named Jonathan R. Tedeschi, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by Jonathan R. Tedeschi's own free will for the purpose set forth therein.

  
Notary Public For WASHINGTON  
My commission expires: 1/29/16

[SEAL]





  
Thomas E. Hall

At Richland, Washington  
(City and State)

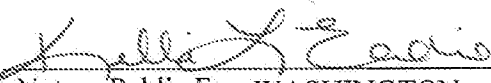
on this 24 day of February, 2012.

STATE OF WASHINGTON )  
) ss.  
COUNTY OF BENTON )

This 24 day of February, 2012, before me personally came the above-named Thomas E. Hall, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by Thomas E. Hall's own free will for the purpose set forth therein.

[SEAL]



  
Notary Public For WASHINGTON  
My commission expires: 7/29/16

*Brian K. Hatchell*

Brian K. Hatchell

At Richland, Washington

(City and State)

on this 29 day of February, 2012.

STATE OF WASHINGTON )

) ss.

COUNTY OF BENTON )

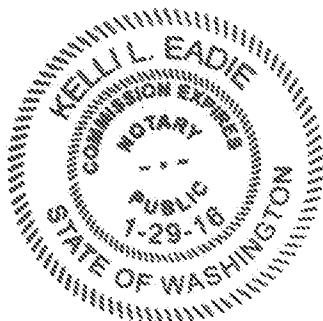
This 29 day of February, 2012, before me personally came the above-named Brian K. Hatchell, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by Brian K. Hatchell's own free will for the purpose set forth therein.

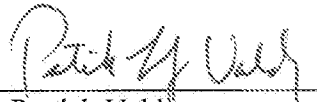
*Kelli L. Eadie*

Notary Public For WASHINGTON

My commission expires: 1/29/16

[SEAL]



  
\_\_\_\_\_  
Patrick Valdez


At Richland, Washington  
(City and State)  
on this 29 day of FEBRUARY, 2012.

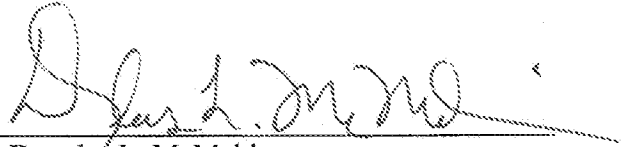
STATE OF WASHINGTON )  
  )    SS.  
COUNTY OF BENTON     )

This 29<sup>th</sup> day of February, 2012, before me personally came the above-named Patrick Valdez, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by Patrick Valdez's own free will for the purpose set forth therein.



[SEAL]


  
\_\_\_\_\_  
Notary Public For WASHINGTON  
My commission expires: 1/29/16

  
Douglas L. McMakin

At Richland, Washington  
(City and State)  
on this 29 day of February, 2012.

STATE OF WASHINGTON )  
  )      ss.  
COUNTY OF BENTON                     )

This 29 day of February, 2012, before me personally came the above-named Douglas L. McMakin, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by Douglas L. McMakin's own free will for the purpose set forth therein.

  
Notary Public For WASHINGTON  
My commission expires: 1/29/16

[SEAL]

