

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Roberto G. Rojas</td><td>07/28/2008</td></tr><tr><td>Bryan D. Raines</td><td>07/28/2008</td></tr><tr><td>Khaled A. Obeidat</td><td>07/28/2008</td></tr></tbody></table>		Name	Execution Date	Roberto G. Rojas	07/28/2008	Bryan D. Raines	07/28/2008	Khaled A. Obeidat	07/28/2008		
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Khaled A. Obeidat	07/28/2008										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>The Ohio State University</td></tr><tr><td>Street Address:</td><td>1960 Kenny Road</td></tr><tr><td>City:</td><td>Columbus</td></tr><tr><td>State/Country:</td><td>OHIO</td></tr><tr><td>Postal Code:</td><td>43210-1063</td></tr></table>		Name:	The Ohio State University	Street Address:	1960 Kenny Road	City:	Columbus	State/Country:	OHIO	Postal Code:	43210-1063
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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>12139424</td></tr></tbody></table>		Property Type	Number	Application Number:	12139424						
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Application Number:	12139424										
CORRESPONDENCE DATA											
Fax Number: (614)792-5536 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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ATTORNEY DOCKET NUMBER:	OSU1159-217B										
NAME OF SUBMITTER:	Jeffrey C. Norris, Reg. No. 42,039										
Total Attachments: 2 source=SignedAssignment_OSU1159-217B#page1.tif											

CH \$40.00 12139424

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PATENT  
REEL: 021374 FRAME: 0922



## ASSIGNMENT

This assignment is made by Roberto G. Rojas, a U.S. citizen, residing at 2330 Haverford Road, Upper Arlington, Ohio 43220 USA; Bryan D. Raines, a U.S. citizen, residing at 5508 Mesa Ridge Lane, Columbus, Ohio 43231 USA; and Khaled A. Obeidat, a Jordanian citizen, residing at 616 Riverview Drive, Apt. ~~E~~<sup>F</sup>, Columbus, Ohio 43202 USA ("ASSIGNORS") to The Ohio State University, a non-profit organization organized under the laws of the State of Ohio and having an office at 1960 Kenny Road, Columbus, Ohio 43210-1063 USA ("ASSIGNEE").

110-08  
7-28-08

FOR AT LEAST ONE U.S. DOLLAR (\$1.00) AND FOR OTHER GOOD AND VALUABLE CONSIDERATION, the receipt of which is hereby acknowledged, ASSIGNORS do hereby sell, assign and transfer to ASSIGNEE the entire right, title and interest, together with all rights of priority, in and to the invention entitled IMPLEMENTATION OF ULTRA WIDE BAND (UWB) ELECTRICALLY SMALL ANTENNAS BY MEANS OF DISTRIBUTED NON FOSTER LOADING, as described and/or claimed in an application for patent of the United States of America, Application No. 12/139,424, filed June 13, 2008. ASSIGNORS further do hereby sell, assign and transfer to ASSIGNEE the entire right, title and interest, together with all rights of priority, in and to ASSIGNORS' invention as described and/or claimed in any and all applications for patents based on the invention, including divisionals, continuations, renewals, substitutes and reissues thereof, and all rights of priority resulting from any of these patent applications, as well as all foreign counterparts and extensions thereof, together with all patents issuing on any of these applications for the full terms of all of the patents which may be granted on the invention.

ASSIGNORS HEREBY AUTHORIZE ASSIGNEE to make applications for, to prosecute such applications, and to receive patents for the invention in the United States and any foreign countries, in ASSIGNEE's name.

ASSIGNORS HEREBY PROMISE AND AGREE that ASSIGNORS will execute or procure any further necessary assurance of title to the invention and any patents which may issue on the invention. ASSIGNORS will, at any time, upon the request and without further consideration, but at the expense of ASSIGNEE, deliver any testimony in any legal proceedings and execute all papers and do all other things that may be necessary or desirable to perfect the title to the invention, or any patents which may be granted therefor, in ASSIGNEE, its successors, assigns, or other legal representatives. ASSIGNORS will, at any time, upon the request and at the expense of ASSIGNEE, execute any continuations, divisionals, reissues, or any other additional applications for patents for the invention or any part or parts thereof and any patents issuing thereon are hereby assigned to ASSIGNEE. ASSIGNORS will make all rightful oaths, and do all lawful acts required for procuring and enforcing any of the patents, without further compensation, but at the expense of ASSIGNEE, its successors, assigns or other legal representatives.

PATENT

REEL: 021374 FRAME: 0924

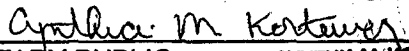
ASSIGNORS HEREBY AUTHORIZE AND REQUEST the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States for the invention, resulting from any of the aforesaid applications to the ASSIGNEE.

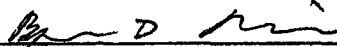
  
Roberto G. Rojas, ASSIGNOR

STATE OF Ohio :  
COUNTY OF Franklin : SS.

Before me personally appeared Roberto G. Rojas, to me known to be the same person described in and who executed the foregoing instrument, and acknowledged that he executed the same, of his own free will and for the purposes set forth.

Sworn to before me and subscribed in my presence this 28<sup>th</sup> day of July, 2008.

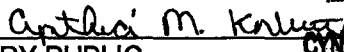
  
NOTARY PUBLIC **CYNTHIA M. KORTEWEG**  
Notary Public, State of Ohio  
My Commission Expires 01-28-2013

  
Bryan D. Raines, ASSIGNOR

STATE OF Ohio :  
COUNTY OF Franklin : SS.

Before me personally appeared Bryan D. Raines, to me known to be the same person described in and who executed the foregoing instrument, and acknowledged that she executed the same, of her own free will and for the purposes set forth.

Sworn to before me and subscribed in my presence this 28<sup>th</sup> day of July, 2008.

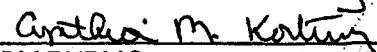
  
NOTARY PUBLIC **CYNTHIA M. KORTEWEG**  
Notary Public, State of Ohio  
My Commission Expires 01-28-2013

  
Khaled A. Obeidat, ASSIGNOR

STATE OF Ohio :  
COUNTY OF Franklin : SS.

Before me personally appeared Khaled A. Obeidat, to me known to be the same person described in and who executed the foregoing instrument, and acknowledged that he executed the same, of his own free will and for the purposes set forth.

Sworn to before me and subscribed in my presence this 28<sup>th</sup> day of July, 2008.

  
NOTARY PUBLIC **CYNTHIA M. KORTEWEG**  
Notary Public, State of Ohio  
My Commission Expires 01-28-2013