

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Kyle J. Bunch	11/09/2010
Douglas L. McMakin	11/10/2010
RECEIVING PARTY DATA	
Name:	Battelle Memorial Institute
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Internal Address:	M/S K1-53
City:	Richland
State/Country:	WASHINGTON
Postal Code:	99352
PROPERTY NUMBERS Total: 4	
Property Type	Number
Patent Number:	7548185
Application Number:	12944927
PCT Number:	US0636973
Application Number:	12170944
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ATTORNEY DOCKET NUMBER:	14695-E CIP2

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REEL: 025350 FRAME: 0391

NAME OF SUBMITTER:

Allan C. Tuan

Total Attachments: 5

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ASSIGNMENT OF PATENT RIGHTS

Kyle J. Bunch
Douglas L. McMakin

To
Battelle Memorial Institute

WHEREAS, we, Glen E. Fryxell of Kennewick, County of Benton, State of Washington, William D. Samuels of Richland, County of Benton, State of Washington; hereinafter INVENTORS, have made certain inventions related to, **Holographic Imaging Based on Time-Domain Data of Natural-Fiber-Containing Materials**, including those, described and claimed in various disclosures including:

U.S. Patent No. 7,548,185, issued June 16, 2009, Entitled: Interlaced Linear Array Sampling Technique for Electromagnetic Wave Imaging

PCT Application No. PCT/US06/36973, filed September 22, 2006, Entitled: Interlaced Linear Array Sampling Technique for Electromagnetic Wave Imaging

U.S. Continuation-in-Part Patent Application No. 12/170,944, filed July 10, 2008, Entitled: Holographic Imaging of Natural-Fiber-Containing Materials

U.S. Continuation-in-Part Patent Application No. 12/944,927, filed November 12, 2010, Entitled: Holographic Imaging Based on Time-Domain Data of Natural-Fiber-Containing Materials

For which we are about to make application for Letters Patent of the United States; collectively referred to hereinafter as INVENTIONS;

WHEREAS Battelle Memorial Institute, a corporation of Ohio, organized and existing under the laws of the State of Ohio, and having a place of business in the City

of Richland, Washington, is desirous of acquiring all right, title, and interest in the said INVENTIONS and in all patents or patent applications sought or obtained therefor;

NOW, THEREFORE, be it known to all those who may be concerned, that for and in consideration of the sum of One Dollar (\$1.00) each, and other good and valuable considerations, the receipt of which is hereby acknowledged, We the INVENTORS have each sold, assigned, and transferred, and by these presents do sell, assign and transfer unto the said Battelle Memorial Institute, the entire right, title, and interest in and to the INVENTIONS shown, described, or claimed herein, and the full and exclusive right, title, and interest to any and all patents and patent applications that show, describe or claim said INVENTIONS including but not limited to those applications referenced herein, and in and to any extensions, continuations, including continuations in part, reissues, divisions, or renewals thereof; and We each do hereby authorize and request the Commissioner of Patents or other proper Officer, to issue such Letters Patent, or any of them to the said Battelle Memorial Institute, as the assignee of my entire right, title, and interest in and to the same for the sole use and benefit of the said Battelle Memorial Institute, and its successors or assigns.

We each further covenant and agree that we each will, at the request and expense of the said Battelle Memorial Institute, execute such other and further assurances of title as may be necessary or proper to fully convey the interest herein sought to be conveyed; and that each of us will, at the request and expense of the said Battelle Memorial Institute, execute such application papers as may be desired by the said Battelle Memorial Institute, for the filing of any division or renewal of the application herein conveyed, or for reissues or extensions (including continuations or continuations in part applications), or any Letters Patent that may be granted upon said application, and will

execute such Supplemental Oaths and Preliminary Statements, or other papers as desired by the said Battelle Memorial Institute.

We each further assign unto the said Battelle Memorial Institute, the whole right, title, and interest to the invention disclosed in the application throughout all countries foreign to the United States, and do hereby authorize the said Battelle Memorial Institute to apply for patents therefor in its own name in countries where such procedure is proper and to claim the benefit of International Conventions and agree to execute applications of the said invention in the several countries where it is necessary that the same be executed by the inventors, and to execute assignments of such applications and the patents to be obtained therefor to the said Battelle Memorial Institute, the assignee herein, as well as all other necessary papers.

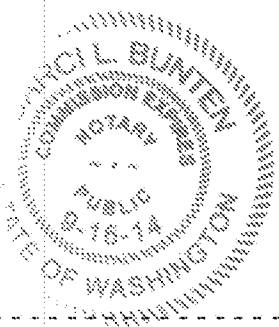
Executed at Richland, State of Washington, this 9th day of November, 2010.

[Signature]
Kyle J. Bunch

STATE OF WASHINGTON)
) ss.
County of Benton)

This 9th day of November, 2010, before me personally came the above-named Kyle J. Bunch who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

[Signature]
Notary Public for the State of Washington.
My commission expires: 9/16/14.



[SEAL]

Executed at Richland, State of Washington, this 10 day of November, 2010.

Douglas L. McMakin
Douglas L. McMakin

STATE OF WASHINGTON)
) ss.
County of Benton)

This 10 day of November, 2010, before me personally came the above-named Douglas L. McMakin who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.



Darcil L. Buntin
Notary Public for the State of Washington.
My commission expires: 9/16/14