

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 70%; text-align: center;">Name</th> <th style="width: 30%; text-align: center;">Execution Date</th> </tr> <tr> <td style="padding: 2px;">Dr. Arthur R. Hammons Jr.</td> <td style="padding: 2px;">11/16/2006</td> </tr> </table>	Name	Execution Date	Dr. Arthur R. Hammons Jr.	11/16/2006							
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%; padding: 2px;">Name:</td> <td style="padding: 2px;">The Johns Hopkins University</td> </tr> <tr> <td style="padding: 2px;">Street Address:</td> <td style="padding: 2px;">34th & Charles Streets</td> </tr> <tr> <td style="padding: 2px;">City:</td> <td style="padding: 2px;">Baltimore</td> </tr> <tr> <td style="padding: 2px;">State/Country:</td> <td style="padding: 2px;">MARYLAND</td> </tr> <tr> <td style="padding: 2px;">Postal Code:</td> <td style="padding: 2px;">21218</td> </tr> </table>	Name:	The Johns Hopkins University	Street Address:	34th & Charles Streets	City:	Baltimore	State/Country:	MARYLAND	Postal Code:	21218	
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: (240)228-5254</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 240-228-5639</p> <p>Email: debbie.auerbach@jhuapl.edu</p> <p>Correspondent Name: Albert J. Fasulo, II</p> <p>Address Line 1: 11100 Johns Hopkins Road</p> <p>Address Line 2: Mail Stop 7-156</p> <p>Address Line 4: Laurel, MARYLAND 20723-6099</p>											
NAME OF SUBMITTER:	Albert J. Fasulo, II										
<p>Total Attachments: 2</p> <p>source=2132-0325781 assignment#page1.tif</p> <p>source=2132-0325781 assignment#page2.tif</p>											

CH \$40.00 11552444

ASSIGNMENT

WHEREAS, Arthur R. Hammons, Jr., hereinafter referred to as the ASSIGNOR, has made an invention as described in a United States patent application entitled:

Space-Time Codes for Linearly Labelled PAM, PSK, QAM and Related Constellations Using Gray Mapping

which application was executed by him on 11/16/06, and

WHEREAS, The Johns Hopkins University, a corporation organized and existing under the laws of the State of Maryland and having its principal place of business at Baltimore, Maryland, hereinafter referred to as the ASSIGNEE, desires to acquire an interest therein;

NOW, THEREFORE, in consideration of his employment by ASSIGNEE, the ASSIGNOR does hereby sell, assign and transfer to the ASSIGNEE the entire right, title and interest in and to said invention in the United States and its territories and possessions and in all foreign countries and the entire right, title and interest in and to said international application and any substitutions, divisions, continuations, or continuations-in-part based upon said application, and in and to any and all Letters Patent, whether original or reissue, which may be granted for said invention in the United States and its territories and possessions and in any and all foreign countries, the invention, said patent application, and any and all such patents to be held and enjoyed by the ASSIGNEE for its own use and benefit and for its legal representatives as fully and entirely as the same would have been held by the ASSIGNOR had this agreement not been made.

THE ASSIGNOR here further agrees to make, execute, and deliver to the ASSIGNEE, its successors, assigns, and legal representatives, upon request but at the expense of the ASSIGNEE, any and all papers, documents, affidavits, statements, or other instruments that may be necessary in the prosecution of the aforesaid application, and of any United States or foreign applications, and of any substitutions, divisions, continuations, or continuations-in-part of said application, or applications for reissues of said Letters Patents, and to aid the ASSIGNEE, its successors, assigns, and legal representatives in every way in protecting the said invention as may be requested, provided, however that they shall not have to pay any expenses arising from extending such assistance.

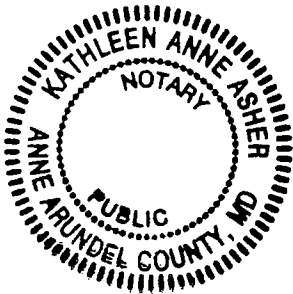
THE ASSIGNOR hereby covenants that he has the right to grant the foregoing assignment.

 SEAL 11/16/06 DATE
Arthur R. Hammons, Jr.

STATE OF MARYLAND
COUNTY OF Anne Arundel

On this 16th day of November, 2006, before me, the undersigned officer, personally appeared the above-named Arthur R. Hammons, Jr., known to me or satisfactorily proven to be the person whose name is subscribed to within the instrument and acknowledged that he executed the same for the purpose therein contained.

In witness hereof I hereunto set my hand and official seal.




Signature

KATHLEEN A. ASHER
Printed Name

Notary Public
My Commission expires June 9, 2010