

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;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Steven M. Nowick</td> <td>12/28/2010</td> </tr> <tr> <td>Michael Horak</td> <td>12/23/2010</td> </tr> <tr> <td>Matthew Carlberg</td> <td>01/04/2011</td> </tr> </tbody> </table>		Name	Execution Date	Steven M. Nowick	12/28/2010	Michael Horak	12/23/2010	Matthew Carlberg	01/04/2011				
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>The Trustees of Columbia University in the City of New York</td> </tr> <tr> <td>Street Address:</td> <td>412 Low Memorial Library</td> </tr> <tr> <td>Internal Address:</td> <td>535 West 116th Street</td> </tr> <tr> <td>City:</td> <td>New York</td> </tr> <tr> <td>State/Country:</td> <td>NEW YORK</td> </tr> <tr> <td>Postal Code:</td> <td>10027</td> </tr> </table>		Name:	The Trustees of Columbia University in the City of New York	Street Address:	412 Low Memorial Library	Internal Address:	535 West 116th Street	City:	New York	State/Country:	NEW YORK	Postal Code:	10027
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CORRESPONDENCE DATA													
<p>Fax Number: (212)230-8888</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 2122308800</p> <p>Email: michael.mathewson@wilmerhale.com</p> <p>Correspondent Name: Peter W. Baik</p> <p>Address Line 1: 399 Park Avenue</p> <p>Address Line 2: Wilmer Cutler Pickering Hale and Dorr</p> <p>Address Line 4: New York, NEW YORK 10022</p>													
ATTORNEY DOCKET NUMBER:	19240.790 US2												
NAME OF SUBMITTER:	Peter W. Baik												
Total Attachments: 4													

OP \$40.00 13003196

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PATENT
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ASSIGNMENT

WHEREAS, we, Steven M. Nowick, residing at 350 Westview Avenue, Leonia, New Jersey 07605; Michael Horak, residing at 4294 Bright Bay Way, Ellicott City, Maryland 21042; and Matthew Carlberg, residing at 14842 Mockingbird Drive, Germantown, MD 20874 (collectively the “Assignors”) are the inventors of a certain new and useful invention and discovery entitled “ASYNCHRONOUS DIGITAL CIRCUITS INCLUDING ARBITRATION AND ROUTING PRIMITIVES FOR ASYNCHRONOUS AND MIXED-TIMING NETWORKS” (“the Invention”), which patent application is being filed in the United States Patent and Trademark Office on even date herewith (“the Application”); and

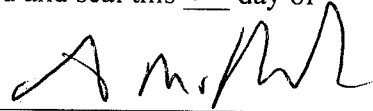
WHEREAS, The Trustees of Columbia University in the City of New York, existing under the laws of the State of New York, having its principal office at 412 Low Memorial Library, 535 West 116th Street, New York, NY 10027, which, together with its successors and assigns, is hereinafter called “Assignee,” is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited.

For valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignors hereby assign to Assignee all of Assignors’ right, title and interest in and to the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any applications and/or patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application; any application that claims priority from the Application (including utility applications, divisionals, continuations, continuations-in-part, international applications and/or any foreign regional and/or national applications), or any application based in whole or in part on any of the foregoing.

Assignors agree that such Assignors and Assignors’ heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignors relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Assignors further agree that such Assignors will, without further compensation to Assignors during the term of such Assignors’ employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required

when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 28th day of December, 2010 (Month/Year)



Steven M. Nowick

On this 28th day of December, 2010 (Month/Year), Steven M. Nowick, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

WITNESS:

Printed Name:

Residential Address:

Martha B. Hefke

Martha B. Hefke

350 Westview Ave
Leonia, NJ 07605

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this ____ day of ____ (Month/Year)

Michael Horak

On this ____ day of ____ (Month/Year), Michael Horak, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

WITNESS:

Printed Name:

Residential Address:

when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this ____ day of _____ (Month/Year)

Steven M. Nowick

On this ____ day of _____ (Month/Year), Steven M. Nowick, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

WITNESS: _____

Printed Name: _____

Residential Address: _____

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 23 day of 12/2010 (Month/Year)


Michael Horak

On this 23rd day of 12/2010 (Month/Year), Michael Horak, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

WITNESS: 

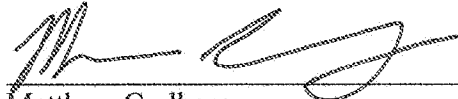
Printed Name: PAUL HOULDSWORTH

Residential Address: 9020 BOWLER DRIVE
FAIRFAX, VA 22031

Assignment

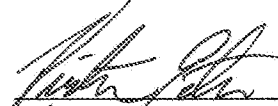
Attorney Docket No.: 19240.790-US2

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 4th day of
January 2011 (Month/Year)


Matthew Carlberg

On this 4th day of January 2011 (Month/Year), Matthew Carlberg, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

WITNESS:


Printed Name: Kirsten Eiler
Residential Address: 200 E 15th St
Apt 12H
New York, NY 10003