

## PATENT ASSIGNMENT

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| 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>John T. Apostolos</td> <td>04/02/2012</td> </tr> <tr> <td>Judy Feng</td> <td>04/02/2012</td> </tr> <tr> <td>William Mouyos</td> <td>04/02/2012</td> </tr> </tbody> </table> |   | Name          | Execution Date | John T. Apostolos   | 04/02/2012 | Judy Feng | 04/02/2012 | William Mouyos | 04/02/2012 |
| Name  | Execution Date                          |               |                |                     |            |           |            |                |            |
| John T. Apostolos   | 04/02/2012                              |               |                |                     |            |           |            |                |            |
| Judy Feng   | 04/02/2012                              |               |                |                     |            |           |            |                |            |
| William Mouyos  | 04/02/2012                              |               |                |                     |            |           |            |                |            |
| RECEIVING PARTY DATA  |   |               |                |                     |            |           |            |                |            |
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| City:   | Windham                                 |               |                |                     |            |           |            |                |            |
| State/Country:  | NEW HAMPSHIRE                           |               |                |                     |            |           |            |                |            |
| Postal Code:  | 03087                                   |               |                |                     |            |           |            |                |            |
| 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>13431477</td> </tr> </tbody> </table>   |   | Property Type | Number         | Application Number: | 13431477   |           |            |                |            |
| Property Type   | Number                                  |               |                |                     |            |           |            |                |            |
| Application Number:   | 13431477                                |               |                |                     |            |           |            |                |            |
| CORRESPONDENCE DATA   |   |               |                |                     |            |           |            |                |            |
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| Correspondent Name:   | David J. Thibodeau, Jr.                 |               |                |                     |            |           |            |                |            |
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| ATTORNEY DOCKET NUMBER:   | 4694.1004-001                           |               |                |                     |            |           |            |                |            |
| NAME OF SUBMITTER:  | Nicole Isabelle                         |               |                |                     |            |           |            |                |            |
| Total Attachments: 3<br>source=46941004001asg#page1.tif<br>source=46941004001asg#page2.tif<br>source=46941004001asg#page3.tif   |   |               |                |                     |            |           |            |                |            |

CH \$40.00 13431477

JointASSIGNMENT

WHEREAS, we, **John T. Apostolos, Judy Feng and William Mouyos**, have invented a certain improvement in **Reconfigurable Chirp Fourier Transform Based Continuous Convolution Processor** described in an application for Patent,

- the specification of which is about to be filed in the United States Patent Office *(use for utility (37 CFR § 1.53(b)) and design filings only)*;
- is about to be filed in the United States Patent Office as a Provisional Application;
- the specification of which is United States Application No. **13/431,477**, filed **March 27, 2012**;
- the specification of which is a Patent Cooperation Treaty Application, International Application No. [    ], filed [    ], which designates the United States of America [and is assigned United States Application No. [    ]];
- which was patented under United States Patent No. [    ].

WHEREAS, **AMI Research & Development, LLC** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **State of New Hampshire**, and having a usual place of business at **P.O. Box 462, Windham, New Hampshire 03087** desires to confirm its interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein; we hereby expressly authorize the filing of an International Patent Application under the Patent Cooperation Treaty which corresponds to and claims the priority of the above-identified application;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of any future applications including substitution, reissue, divisional or continuation applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor's Signature: John T. Apostolos  
John T. Apostolos  
State/Commonwealth of MA  
County of Hampden

On this 2<sup>nd</sup> day of April 2012, before me, the undersigned notary public, personally appeared John T. Apostolos,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

Notary Public SOTERIOS ZAIMES, Notary Public  
My Commission Expires June 17, 2018 (print name)

My Commission expires   /  /  

Soterios Zaimes

Inventor's Signature: \_\_\_\_\_

*Judy Feng*  
Judy Feng

State/Commonwealth  
of MA

County of Hampshire

On this 2nd day of April 2012, before me, the undersigned notary public, personally appeared Judy Feng,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

Notary Public \_\_\_\_\_

**SOTERIOS ZAIMES, Notary Public** (print name)  
My Commission Expires **June 17, 2016**

My Commission expires \_\_\_\_/\_\_\_\_/\_\_\_\_

Inventor's Signature: \_\_\_\_\_

*William Mouyos*

William Mouyos

State/Commonwealth  
of MA

County of Hampshire

On this 2nd day of April 2012, before me, the undersigned notary public, personally appeared William Mouyos,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

Notary Public \_\_\_\_\_

**SOTERIOS ZAIMES, Notary Public** (print name)  
My Commission Expires **June 17, 2016**

My Commission expires \_\_\_\_/\_\_\_\_/\_\_\_\_

*Soterios Zaimes*