

## 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>ANASTASIOS S. MAURUDIS</td> <td>08/22/1997</td> </tr> <tr> <td>JOHN O. DELLA MORTE, JR.</td> <td>08/22/1997</td> </tr> <tr> <td>JAMES T. DELLA MORTE</td> <td>09/10/1997</td> </tr> </tbody> </table>		Name	Execution Date	ANASTASIOS S. MAURUDIS	08/22/1997	JOHN O. DELLA MORTE, JR.	08/22/1997	JAMES T. DELLA MORTE	09/10/1997		
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<table border="1"> <tr> <td>Name:</td> <td>DSP SOFTWARE ENGINEERING, INC.</td> </tr> <tr> <td>Street Address:</td> <td>165 MIDDLESEX TURNPIKE</td> </tr> <tr> <td>City:</td> <td>BEDFORD</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>01730</td> </tr> </table>		Name:	DSP SOFTWARE ENGINEERING, INC.	Street Address:	165 MIDDLESEX TURNPIKE	City:	BEDFORD	State/Country:	MASSACHUSETTS	Postal Code:	01730
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CORRESPONDENCE DATA											
Fax Number: (978)341-0136 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 978-341-0036 Email: donna.bartolone@hbsr.com Correspondent Name: MARK B. SOLOMON Address Line 1: 530 VIRGINIA ROAD, P.O. BOX 9133 Address Line 2: HAMILTON, BROOK, SMITH & REYNOLDS, P.C. Address Line 4: CONCORD, MASSACHUSETTS 01742-9133											
ATTORNEY DOCKET NUMBER:	2376.1001-001										
NAME OF SUBMITTER:	DONNA BARTOLONE										
Signature:	/Donna Bartolone/										

Date:

10/04/2013

Total Attachments: 3

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Joint

ASSIGNMENT

WHEREAS, we, Anastasios S. Maurudis, John O. Della Morte, Jr. and James T. Della Morte have invented a certain improvement in

METHOD AND APPARATUS FOR ACCURATELY MODELING  
DIGITAL SIGNAL PROCESSORS

described in a U.S. Provisional Application No. 60/050,111, filed in the U.S. Patent Office on June 18, 1997; and

WHEREAS, DSP Software Engineering, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the Commonwealth of Massachusetts, and having a usual place of business at 165 Middlesex Turnpike, Bedford, Massachusetts 01730, desires to acquire an 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 Provisional Application, together with the entire right, title and interest in and to said Provisional 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;

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 nonprovisional 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 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;

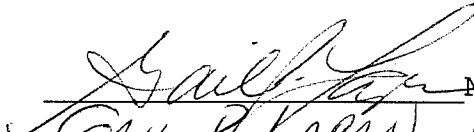
IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor:   
Anastasios S. Maurudis

State/Commonwealth  
of Massachusetts  
County of Middlesex

Then personally appeared before me the above-named Anastasios S. Maurudis and acknowledged that he executed the foregoing instrument as his free act and deed this 22nd day of August, 1997

(SEAL)

 Notary Public  
GAIL R. LAPAN (print name)  
My Commission expires 08/22/97  
12 02 2003

Inventor:

John O. Della Morte, Jr.

State/Commonwealth

of Massachusetts

County of Middlesex

Then personally appeared before me the above-named John O. Della Morte, Jr. and acknowledged that he executed the foregoing instrument as his free act and deed this 22nd day of August, 1997

(SEAL)

Gail W. Lapin Notary Public

GAIL W. LAPIN (print name)

My Commission expires 02/02/2003

Inventor:

James T. Della Morte

State/Commonwealth

of Massachusetts

County of Middlesex

Then personally appeared before me the above-named James T. Della Morte and acknowledged that he executed the foregoing instrument as his free act and deed this 10 day of September, 1997.

(SEAL)

Elizabeth H. Harris Notary Public

Elizabeth H. Harris (print name)

My Commission expires 4/7/2002