

10-31-2005

**RECORDATION F  
PATEI**



103109982

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

10-24-05

**1. Name of conveying party(ies)**

Paul John Schwab  
Kristi Dhimiter Pance  
Neil James Craig

Additional name(s) of conveying party(ies) attached?  Yes  No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) August 9, 2005

- Assignment  Merger
- Security Agreement  Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other

**2. Name and address of receiving party(ies)**

Name: M/A-Com, Inc.

Internal Address: \_\_\_\_\_

Street Address: 1101 Pawtucket Blvd.

City: Lowell

State: MA

Country: USA Zip: 01854

Additional name(s) & address(es) attached?  Yes  No

113002 U.S. PTO  
11/25/05  
102405

**4. Application or patent number(s):**

This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?  Yes  No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Synnestvedt & Lechner LLP

Internal Address: 2600 Aramark Tower

Street Address: 1101 Market Street

City: Philadelphia

State: PA Zip: 19107-2950

Phone Number: 215-923-4455

Fax Number: 302-633-2776

Email Address: \_\_\_\_\_

**6. Total number of applications and patents involved:**

one (1)

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00**

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers 1163

Expiration Date 07/06

b. Deposit Account Number \_\_\_\_\_

Authorized User Name Synnestvedt & Lechner

**9. Signature:**

*Theodore Naccarella*  
Signature

October 24, 2005

Date

Theodore Naccarella Reg. No. 33,023

Name of Person Signing

Total number of pages including cover

3

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

10/27/2005 MBERHE 00000025 11257371

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40.00 DP

**ASSIGNMENT**

I/We, Paul John Schwab, Kristi Dhimiter Pance and Neil James Craig,

who reside(s) at 5 Delta Drive, Nashua, New Hampshire 03060; 9 Tudor Terrace, Auburndale, MA 02466; and 7 Pine Grove Avenue, Nashua, New Hampshire 03060,

have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled

**ELECTRONICALLY TUNABLE DIELECTRIC RESONATOR CIRCUITS**

which application was executed by the inventor on the date of execution of this assignment, and is identified by Attorney Docket Number E-MO-00047,

and M/A-Com, Inc.

whose address is 1011 Pawtucket Blvd., Lowell, MA 01854

and which, together with its successors and assigns is hereinafter called "Assignee", is desirous of acquiring the title, rights, benefits and privileges hereinafter recited, and of confirming the same or any part heretofore acquired by Assignee.

Now, therefore, for valuable consideration furnished by Assignee to me/us, receipt and sufficiency of which I/we hereby acknowledge, I/we hereby, without reservation:

1. Assign and convey to and confirm in Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent in said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and convention applications based in whole or in part upon said inventions or discoveries or upon said applications, and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents of the United States of America and the empowered officials if all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

4. Warrant that I/we have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use

or sell anything embodying or utilizing any of said inventions or discoveries; and that I/we have good right to assign the same to Assignee without encumbrance;

5. Bind my/our heirs and legal representatives, as well as myself/ourselves, to do, upon Assignee's request and at its expense, but without additional consideration to me/us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held have been held and enjoyed by me/us or my/our heirs or representatives if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me/us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in my/our control or in the control of my/our heirs or legal representatives and which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

The effective date of this instrument is the latest date accompanying signature(s), herein below.

In testimony whereof, I/we have affixed our signature(s).

Paul John Schwab  
Paul John Schwab

10/14/2005  
Date

Ronald F. Hebert  
Witness

10/14/2005  
Date

Kristi Dhimiter Pance  
Kristi Dhimiter Pance

October 14th 2005  
Date

Ronald F. Hebert  
Witness

10/14/2005  
Date

Neil James Craig  
Neil James Craig

10/14/2005  
Date

Ronald F. Hebert  
Witness

10/14/2005  
Date