

12-15-06



R SHEET

103352568

To the Director of the U.S. Patent and Trademark Office, or to the address(es) below:

1. Name of conveying Party(ies)/Execution Date:

WALID KHAIRY MOHAMED AHMED  
12/15/2006

QING LI  
12/15/2006

Additional name(s) of conveying party(ies) attached?

Yes  No

2. Name and Address of receiving Party(ies):

Name: M/A COM, INC.  
Internal Address:  
Street Address: 1011 Pawtucket Blvd.  
City: Lowell  
State: MA  
Country: U.S.A. Zip: 01854



Additional name(s) and addresses attached?  Yes  No

3. Nature of Conveyance:

Execution Date(s): 12/15/2006

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

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 of party to whom correspondence concerning document should be mailed:

BRINKS HOFER GILSON & LIONE  
P.O. BOX 10395  
CHICAGO, IL 60610  
(312) 321-4200  
(312) 321-4299 Fax

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40

- Authorized to be charged by credit card.
- Authorized to be charged to Deposit Account No. 23-1925.
- Enclosed
- None required (government interest not affecting title)

8. Payment Information:

- a.  Credit Card: Last 4 Numbers  
Expiration Date
- b.  Charge fee and/or any Deficiencies to Deposit Account Number: 23-1925  
Authorized User Name: Brinks Hofer Gilson & Lione

9. Signature:

Charles M. McMahon  
Signature  
Name of Person Signing

12/15/06  
Date

Total number of pages including cover sheet, attachments, and documents: 7

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

12/21/2006 DBYRME 00000072 11639999  
01 FC:8021 40.00 DP

**ASSIGNMENT**

We, Walid Khairy Mohamed Ahmed and Qing Li, who reside at 76 Cheyenne Street, Tinton Falls, New Jersey 07712, and 8 Young Way, Bridgewater, New Jersey 08807, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled

**METHOD AND APPARATUS FOR A NONLINEAR FEEDBACK CONTROL SYSTEM**

which application was executed by the inventors on the date of execution of this assignment, and is identified by Attorney Docket Number E-MO-00102 (BHGL NO. 12766/15), and

and M/A-COM, Inc., a Florida corporation, 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 thereof 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 on 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 in my/our name(s) or in the name of Assignee or otherwise 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 of 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 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 signatures, hereinbelow.

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

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
(Date)

\_\_\_\_\_  
Walid Khairy Mohamed Ahmed (Date)  
(Inventor)

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
(Date)

[Signature]  
(Witness)

12/15/06  
(Date)

[Signature]  
Qing Li  
(Inventor)

12/15/2006  
(Date)

[Signature]  
(Witness)

12/15/06  
(Date)

Docket No. E-MO-00102  
(BHGL No. 12766/15)

ASSIGNMENT

We, Walid Khairy Mohamed Ahmed and Qing Li, who reside at 76 Cheyenne Street, Tinton Falls, New Jersey 07712, and 8 Young Way, Bridgewater, New Jersey 08807, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled

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2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in my/our name(s) or in the name of Assignee or otherwise 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 of 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;

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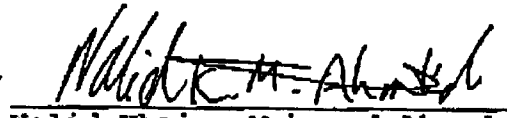
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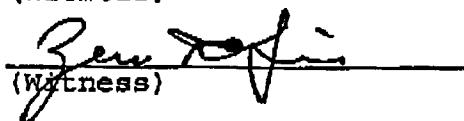
In testimony whereof I/we have affixed my/our signature(s).

  
(Witness)

12/15/06  
(Date)

  
Walid Khairy Mohamed Ahmed  
(Inventor)

12/15/2006  
(Date)

  
(Witness)

12/15/06  
(Date)

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
(Date)

\_\_\_\_\_  
Qing Li  
(Inventor)

\_\_\_\_\_  
(Date)

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
(Date)

ASSIGNMENT

- Page 3 -