

Docket No.:

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

PATENTS ONLY

FORM PTO-1565 (Modified)
(Rev. 03-01)
OMB No. 0651-0027 (exp. 5/31/2002)
P09/REV03

Tab settings → → → ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Electromagnetic Launch Research, Inc.

Additional names(s) of conveying party(ies) Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: **November 22, 1988**

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

Name: **EML Research, Inc.**

Internal Address: _____

Street Address: **2 Fox Road**

City: **Hudson** State: **MA** ZIP: _____

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

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

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s) _____

B. Patent No.(s)
4,691,133

Additional numbers attached? Yes No

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

Name: **H.M. Bedingfield**

Internal Address: **Cantor Colburn, JLP**

Street Address: **55 Griffin Road South**

City: **Bloomfield** State: **CT** ZIP: **06002**

6. Total number of applications and patents involved: **1**

7. Total fee (37 CFR 3.41):.....\$ **40.00**

Enclosed - Any excess or insufficiency should be credited or debited to deposit account


Authorized to be charged to deposit account

8. Deposit account number:
06-1130

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

H.M. Bedingfield, Reg. No. 44,530  **1/13/2003**

Name of Person Signing _____ Signature _____ Date _____

Total number of pages including cover sheet, attachments, and document: **6**

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FORM CD-72-3028-400-80881

The Commonwealth of Massachusetts

OFFICE OF THE MASSACHUSETTS SECRETARY OF STATE

MICHAEL JOSEPH CONNOLLY, Secretary

FEDERAL IDENTIFICATION

ONE ASHBURTON PLACE, BOSTON, MASS. 02108

NO. 04-2766020

ARTICLES OF AMENDMENT

General Laws, Chapter 156B, Section 72

This certificate must be submitted to the Secretary of the Commonwealth within sixty days after the date of the vote of stockholders adopting the amendment. The fee for filing this certificate is prescribed by General Laws, Chapter 156B, Section 114. Make check payable to the Commonwealth of Massachusetts.

We, Harvey S. Levenson, President/Vice President, and Glenn M. Messmer, Clerk/Assistant Clerk of

Electromagnetic Launch Research, Inc.

(Name of Corporation)

located at 2 Fox Road, Hudson, Massachusetts 01749

Name Approved

do hereby certify that the following amendment to the articles of organization of the corporation was duly adopted at a meeting held on November 7, 19 88, by vote of

..... shares of out of shares outstanding,
(Class of Stock)
..... shares of out of shares outstanding, and
(Class of Stock)
..... shares of out of shares outstanding,
(Class of Stock)

CROSS OUT
APPLICATION
CLAIM

being at least a majority of each class outstanding and entitled to vote thereon;¹
two-thirds of each class outstanding and entitled to vote thereon and
of each class or series of stock whose rights are adversely affected
thereby;²

adopted on November 7, 1988 by written consent of its sole shareholder holding 100% of the issued and outstanding capital stock of the corporation.

Article 1: The name by which this corporation shall be known is:
EML Research, Inc.

¹For amendments adopted pursuant to Chapter 156B, Section 70.

²For amendments adopted pursuant to Chapter 156B, Section 71.

Note: If the space provided under any Amendment or item on this form is insufficient, additions shall be set forth on separate 8 1/2 x 11 sheets of paper leaving a left hand margin of at least 1 inch for binding. Additions to more than one Amendment may be continued on a single sheet so long as each Amendment requiring each such addition is clearly indicated.

P.C.

TO CHANGE the number of shares and the par value, if any, of each class of stock within the corporation fill in the following:

The total presently authorized is:

KIND OF STOCK	NO PAR VALUE NUMBER OF SHARES	WITH PAR VALUE NUMBER OF SHARES	PAR VALUE
COMMON			
PREFERRED			

CHANGE the total to:

KIND OF STOCK	NO PAR VALUE NUMBER OF SHARES	WITH PAR VALUE NUMBER OF SHARES	PAR VALUE
COMMON			
PREFERRED			

The foregoing amendment will become effective when these articles of amendment are filed in accordance with Chapter 156B, Section 6 of The General Laws unless these articles specify, in accordance with the vote adopting the amendment, a later effective date not more than thirty days after such filing, in which event the amendment will become effective on such later date.

IN WITNESS WHEREOF AND UNDER THE PENALTIES OF PERJURY, we have hereto signed our names this 18th day of November, in the year 19 88

[Handwritten Signature]

President/Vice President

[Handwritten Signature]

Clerk/Assistant Clerk

PATENT

REEL: 013352 FRAME: 0613

5771

SECRETARY OF
COMMONWEALTH

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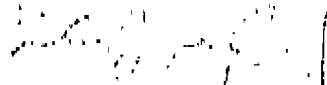
RECEIVED

THE COMMONWEALTH OF MASSACHUSETTS

ARTICLES OF AMENDMENT

(General Laws, Chapter 156B, Section 72)

I hereby approve the within articles of amendment
and, the filing fee in the amount of \$75.00
having been paid, said articles are deemed to have
been filed with me this 22nd
day of November, 1988.

A TRUE COPY ATTEST

MICHAEL JOSEPH CONNOLLY
SECRETARY OF STATE
DATE 11/22/88 BY BJS


MICHAEL JOSEPH CONNOLLY
Secretary of State

TO BE FILLED IN BY CORPORATION
PHOTO COPY OF AMENDMENT TO BE SENT

TO:
..... Glenn M. Merriner, Esq.
..... Kaman Corp., P.O. Box 1
..... Bloomfield, CT 06002
Telephone ... (203) 243-6321

Copy Made