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June 3, 1998

FILED
JUN -8 PM 4:03
DIVISION OF CORPORATIONS
TALLAHASSEE, FLORIDA

Department of State
Division of Corporations
P.O. Box 6327
Tallahassee, FL 32314

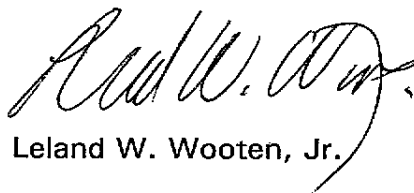
Re: Full Spectrum Research & Manufacturing, Inc.

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-06/08/98--01083--002
*****70.00 *****70.00

Enclosed please find original Articles of Incorporation and Certificate of Designation Registered Agent/Registered Office for the above corporation and check in the amount of \$70.00. Also enclosed is a photocopy of the same which I would appreciate your date stamping and returning to me in the enclosed self-addressed, stamped envelope.

FROM: Leland W. Wooten, Jr., Esquire
670 N. Courtenay Parkway, Suite 7
Merritt Island, FL 32953
(407) 452-3720

Very truly yours,


Leland W. Wooten, Jr.

LWW:cf
Enc.

Corp\Secret.Sta

6-10-98
AM

ARTICLES OF INCORPORATION
OF
FULL SPECTRUM RESEARCH & MANUFACTURING, INC.

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DIVISION OF CORPORATIONS
TALLAHASSEE, FLORIDA

The undersigned incorporator, for the purpose of forming a corporation under the Florida Business Corporation Act, hereby adopts the following Articles of Incorporation:

ARTICLE I - NAME

The name of the corporation is:

FULL SPECTRUM RESEARCH & MANUFACTURING, INC.

ARTICLE II - DURATION

This corporation shall have perpetual existence.

ARTICLE III - PURPOSE

The purpose for which the corporation is organized is to engage in laser cutting and welding, prototype development and feasibility studies, and to transact any other lawful business for which corporations may be incorporated under the Florida Business Corporation Act.

ARTICLE IV - CAPITAL STOCK

The aggregate number of shares which the corporation is authorized to issue is 10,000. Such shares shall be a single class of common stock of a par value of \$1.00.

ARTICLE V - PREEMPTIVE RIGHTS

Every shareholder, upon the sale for cash of any new stock of this corporation of the same kind, class or series as that which he already holds, shall have the right to purchase his prorata share (as nearly as may be done without issuance of fractional shares) at the price at which it is offered to others.

ARTICLE VI - INITIAL REGISTERED OFFICE AND AGENT

The street address of the principal office and the initial registered office of this corporation is: 1345 Cepheus Ct., Merritt Island, FL 32953, and the name of the initial registered agent of this corporation at that address is: BRIAN E. MALIN, SR.

ARTICLE VII - INITIAL BOARD OF DIRECTORS

This corporation shall have two directors initially. The number of Directors may be either increased or diminished from time to time by the By-Laws, but shall never be less than one. The names and addresses of the persons who are to serve as members of the initial Board of Directors are:

- | | | | |
|-----|---|-----|---|
| (1) | BRIAN E. MALIN, SR.
1345 Cepheus Ct.
Merritt Island, FL 32953 | (2) | KENNETH W. LOWE
2117 Settlers Trail
Orlando, FL 32937 |
|-----|---|-----|---|

ARTICLE VIII - INCORPORATORS

The name and address of the person signing these Articles are:

- | | |
|---|---|
| BRIAN E. MALIN, SR.
1345 Cepheus Ct.
Merritt Island, FL 32953 | KENNETH W. LOWE
2117 Settlers Trail
Orlando, FL 32837 |
|---|---|

ARTICLE IX - EXAMINATION OF
CORPORATE RECORDS

The Board of Directors from time to time shall determine whether and to what extent, and at which times and places, and under what conditions and regulations, the accounts and books of the corporation, or any of them, shall be open to the inspection of the shareholders, and no shareholder shall have any right to inspect any document of the corporation, except as conferred by statute or authorized by the Board of Directors, or by resolution by the shareholders.

ARTICLE X - OFFICERS NOT REQUIRED
TO BE SHAREHOLDERS

No contract or other transaction between the Corporation and any other corporation, in the absence of fraud, shall be affected or invalidated by the fact that any one or more of the Directors of the corporation is or are interested in, or is a director or officer, or are directors or officers, of such other corporation, and any Director or Directors, individually or jointly, may be a party or parties to, or may be interested in, any such contract or transaction of the corporation, or in which the corporation is interested, and each and every person who may become a director of the corporation is hereby relieved from any liability that might otherwise exist from his contracting with the corporation for the benefit of himself or any firm, association or corporation in which he may in anywise be interested. Any director of the corporation may vote upon any contract or other transaction between the corporation and any subsidiary or controlled company without regard to the fact that he also is a director of such subsidiary or controlled company.

ARTICLE XI - INDEMNIFICATION

The corporation shall indemnify any Officer or Director or any former Officer or Director, to the full extent permitted by law.

ARTICLE XII - AMENDMENT

This corporation reserves the right to amend or repeal any provision contained in these Articles of Incorporation, or any amendment hereto, and any right conferred upon the Shareholders is subject to this reservation.

IN WITNESS WHEREOF, the undersigned subscribers have executed these Articles of Incorporation this 3rd day of June, 1998.



BRIAN E. MALIN, SR.

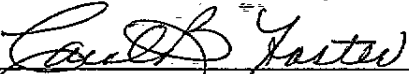


KENNETH W. LOWE

STATE OF FLORIDA
COUNTY OF BREVARD

BEFORE ME, a Notary Public authorized to take acknowledgments in the State and County set forth above, personally appeared BRIAN E. MALIN, SR., who by me being duly sworn, who is personally known to me or who produced a Florida driver's license as identification, and who executed the foregoing Articles of Incorporation.

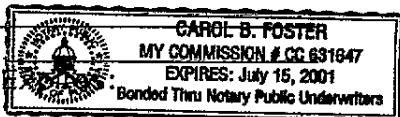
IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, in the State and County aforesaid, this 3rd day of June, 1998.



NOTARY PUBLIC, STATE OF FLORIDA

Printed Name of Notary:

Commission No.
My Commission



STATE OF FLORIDA
COUNTY OF BREVARD

BEFORE ME, a Notary Public authorized to take acknowledgments in the State and County set forth above, personally appeared KENNETH W. LOWE, who by me being duly sworn, who is personally known to me or who produced a Florida driver's license as identification, and who executed the foregoing Articles of Incorporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, in the State and County aforesaid, this 3rd day of June, 1998.

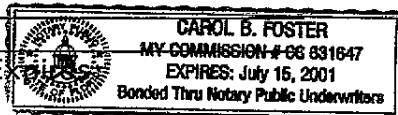
Carol B. Foster

NOTARY PUBLIC, STATE OF FLORIDA

Printed Name of Notary:

Commission No.

My Commission Expires



CERTIFICATE OF DESIGNATION
REGISTERED AGENT/REGISTERED OFFICE

FILED
98 JUN -8 PM 4:03
DIVISION OF CORPORATIONS
TALLAHASSEE, FLORIDA

Pursuant to the provisions of section 617.05 Florida Statutes, the undersigned corporation, organized under the laws of the State of Florida, submits the following statement in designating the registered office/registered agent, in the state of Florida.

1. The name of the corporation is: FULL SPECTRUM RESEARCH & MANUFACTURING, INC.
2. The name and address of the registered agent and office is:

BRIAN E. MALIN, SR.
1345 Cepheus Ct.
Merritt Island, FL 32953

SIGNATURE _____



TITLE Incorporator/Director

DATE ~~May~~ June 3, 1998

HAVING BEEN NAMED AS REGISTERED AGENT AND TO ACCEPT SERVICE OF PROCESS FOR THE ABOVE STATED CORPORATION AT THE PLACE DESIGNATED IN THIS CERTIFICATE, I HEREBY ACCEPT THE APPOINTMENT AS REGISTERED AGENT AND AGREE TO ACT IN THIS CAPACITY. I FURTHER AGREE TO COMPLY WITH THE PROVISIONS OF ALL STATUTES RELATING TO THE PROPER AND COMPLETE PERFORMANCE OF MY DUTIES, AND I AM FAMILIAR WITH AND ACCEPT THE OBLIGATIONS OF MY POSITION AS REGISTERED AGENT.

SIGNATURE _____



BRIAN E. MALIN, SR.
REGISTERED AGENT

DATE ~~May~~ June 3, 1998