

Form PTO-1595 (Rev. 07/05)
OMB No. 0651-0027 (exp. 6/30/2008)U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office**RECORDATION FORM COVER SHEET
PATENTS ONLY**

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

1. Name of conveying party(ies)

Spectrum Astro

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No**2. Name and address of receiving party(ies)**Name: GENERAL DYNAMICS C4 SYSTEMS, INC.

Internal Address: _____

Street Address: 8201 E. McDowell RoadCity: ScottsdaleState: ArizonaCountry: USA Zip: 85257Additional name(s) & address(es) attached? ☐ Yes ☒ No**2. Nature of conveyance/Execution Date(s):**Execution Date(s) August 30, 2001, January 1, 2005

- ☐ Assignment ☒ Merger
- ☐ Security Agreement ☐ Change of Name
- ☐ Government Interest Assignment
- ☐ Executive Order 9424, Confirmatory License
- ☐ Other _____

4. Application or patent number(s):

A. Patent Application No.(s)

☒ This document is being filed together with a new application.

B. Patent No.(s)

6,597,258

6,707,350

6,771,222

Additional numbers attached? ☐ Yes ☒ No**5. Name and address to whom correspondence concerning document should be mailed:**Customer No. 29,906Name: Timothy J. LorenzInternal Address: Ingrassia Fisher & Lorenz, P.C.Street Address: 7150 E. Camelback Rd., Ste. 325City: ScottsdaleState: AZ Zip: 85251Phone Number: (480) 385-5060Fax Number: (480) 385-5061Email Address: tlorenz@iflaw.com**6. Total number of applications and patents involved:**3**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 120.00**

- ☐ 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 _____

Expiration Date _____

b. Deposit Account Number 50-2091

Authorized User Name _____

9. Signature:


Signature

08/10/05

Date

Timothy J. Lorenz (Reg. No. 41,954)

Name of Person Signing

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

13Documents 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, V.A. 22313-1450

CH \$120.00 502091 6597258

Delaware

PAGE 1

The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THAT "GENERAL DYNAMICS C4 SYSTEMS, INC." IS DULY INCORPORATED UNDER THE LAWS OF THE STATE OF DELAWARE AND IS IN GOOD STANDING AND HAS A LEGAL CORPORATE EXISTENCE NOT HAVING BEEN CANCELLED OR DISSOLVED SO FAR AS THE RECORDS OF THIS OFFICE SHOW AND IS DULY AUTHORIZED TO TRANSACT BUSINESS.

THE FOLLOWING DOCUMENTS HAVE BEEN FILED:

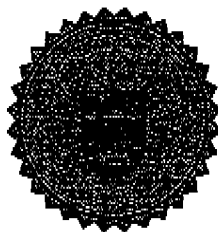
CERTIFICATE OF INCORPORATION, FILED THE FOURTH DAY OF APRIL, A.D. 2002, AT 4:30 O'CLOCK P.M.

CERTIFICATE OF MERGER, FILED THE TWENTY-NINTH DAY OF DECEMBER, A.D. 2004, AT 7:25 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF MERGER IS THE FIRST DAY OF JANUARY, A.D. 2005, AT 12:01 O'CLOCK A.M.

CERTIFICATE OF MERGER, FILED THE TWENTY-NINTH DAY OF DECEMBER, A.D. 2004, AT 7:40 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF MERGER IS THE FIRST DAY OF JANUARY, A.D. 2005, AT 12:01 O'CLOCK A.M.



3510676 8310

050036587

Harriet Smith Windsor
Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 3630962

DATE: 01-20-05

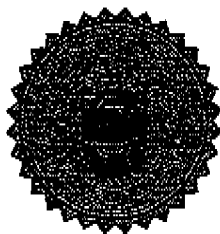
PATENT
REEL: 016630 FRAME: 0088

Delaware

PAGE 2

The First State

AND I DO HEREBY FURTHER CERTIFY THAT THE AFORESAID
CERTIFICATES ARE THE ONLY CERTIFICATES ON RECORD OF THE
AFORESAID CORPORATION.



3510676 8310

050036587

Harriet Smith Windsor

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 3630962

DATE: 01-20-05

PATENT
REEL: 016630 FRAME: 0089

Delaware

PAGE 1

The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"SPECTRUM ASTRO, INC.", A NEVADA CORPORATION,

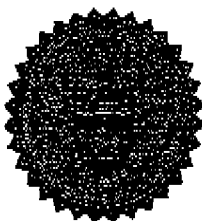
WITH AND INTO "GENERAL DYNAMICS C4 SYSTEMS, INC." UNDER THE NAME OF "GENERAL DYNAMICS C4 SYSTEMS, INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTY-NINTH DAY OF DECEMBER, A.D. 2004, AT 7:40 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF MERGER IS THE FIRST DAY OF JANUARY, A.D. 2005, AT 7:40 O'CLOCK P.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.

3510676 8100M

040951761

*Harriet Smith Windsor*Harriet Smith Windsor, Secretary of State
AUTHENTICATION: 3595137

DATE: 01-04-05

PATENT
REEL: 016630 FRAME: 0090

State of Delaware
Secretary of State
Division of Corporations
Delivered 07:40 PM 12/29/2004
FILED 07:40 PM 12/29/2004
SRV 040931761 - 3510676 FILE

**CERTIFICATE OF MERGER
OF
SPECTRUM ASTRO, INC.,
INTO
GENERAL DYNAMICS C4 SYSTEMS, INC.**

The undersigned corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware, DOES HEREBY CERTIFY THAT:

FIRST: The name and state of incorporation of each of the constituent corporations in the merger is as follows:

Name	State of Incorporation
Spectrum Astro, Inc.	Nevada
General Dynamics C4 Systems, Inc.	Delaware

SECOND: An Agreement and Plan of Merger dated as of December 17, 2004, and effective as of January 1, 2005 (the "Merger Agreement"), by and between General Dynamics C4 Systems, Inc. (the "Corporation"), a Delaware corporation and wholly-owned subsidiary of General Dynamics Government Systems Corporation, a Delaware corporation ("GSC"), and Spectrum Astro, Inc., a Nevada corporation and wholly-owned subsidiary of GSC, pursuant to which Spectrum Astro, Inc., will merge into the Corporation, has been approved, adopted, certified and acknowledged by each of the constituent corporations in accordance with Sections 228 and 252 of the General Corporation Law of the State of Delaware.

THIRD: The surviving corporation will retain the name of the Corporation ("General Dynamics C4 Systems, Inc.").

FOURTH: The Certificate of Incorporation and Bylaws of the Corporation, each as amended through the effective time of the merger, shall remain the Certificate of Incorporation and Bylaws of the surviving corporation without amendment.

FIFTH: The executed Merger Agreement is on file at an office of the surviving corporation, the address of which is:

General Dynamics C4 Systems, Inc.
c/o General Dynamics Corporation
2941 Fairview Park Drive, Suite 100
Falls Church, Virginia 22042

SIXTH: A copy of the Merger Agreement will be furnished by the surviving corporation, on request and without cost, to any stockholder of any constituent corporation.

SEVENTH: Each share of capital stock of Spectrum Astro, Inc. shall be cancelled by virtue of the merger.


EIGHTH: The merger will be effective as of 12:01 a.m. Eastern Standard Time on January 1, 2005.

CHICAGO 1183962_4

IN WITNESS WHEREOF, the Corporation has caused this Certificate of Merger to be duly executed by an authorized officer this 17th day of December, 2004.

GENERAL DYNAMICS C4 SYSTEMS, INC.

By:


Margaret N. House
Secretary



DEAN HELLER
Secretary of State
204 North Carson Street, Suite 1
Carson City, Nevada 89701-4299
(775) 884 5703
Website: secretaryofstate.biz

FILED # C 9743-87

DEC 30 2004

IN THE OFFICE OF
Dean Heller
DEAN HELLER, SECRETARY OF STATE

Articles of Merger
(PURSUANT TO NRS 92A.200)
Page 1

Important: Read attached instructions before completing form.

ABOVE SPACE IS FOR OFFICE USE ONLY

**(Pursuant to Nevada Revised Statutes Chapter 92A)
(excluding 92A.200(4b))
SUBMIT IN DUPLICATE**

- 1) Name and jurisdiction of organization of each constituent entity (NRS 92A.200). If there are more than four merging entities, check box ☐ and attach an 8 1/2" x 11" blank sheet containing the required information for each additional entity.

Spectrum Astro, Inc.

Name of merging entity

Nevada

Jurisdiction

Corporation

Entity type *

Name of merging entity

Jurisdiction

Entity type *

Name of merging entity

Jurisdiction

Entity type *

Name of merging entity

Jurisdiction

Entity type *

and,

General Dynamics C4 Systems, Inc.

Name of surviving entity

Delaware

Jurisdiction

Corporation

Entity type *

* Corporation, non-profit corporation, limited partnership, limited-liability company or business trust.

This form must be accompanied by appropriate fees. See attached fee schedule.

Nevada Secretary of State AM Merger 2003
Revised on: 10/24/03

NV025 - 10/17/2004 CT System Online



DEAN HELLER
Secretary of State
204 North Carson Street, Suite 1
Carson City, Nevada 89701-4298
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Website: secretaryofstate.biz

Articles of Merger
(PURSUANT TO NRS 92A.200)
Page 2

Important: Read attached instructions before completing form.

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- 2) Forwarding address where copies of process may be sent by the Secretary of State of Nevada (if a foreign entity is the survivor in the merger - NRS 92A.190):

Attn: General Dynamics C4 Systems, Inc.

c/o: The Corporation Trust Company

Corporation Trust Center, 1209 Orange Street

Wilmington, DE 19801

- 3) (Choose one)



The undersigned declares that a plan of merger has been adopted by each constituent entity (NRS 92A.200).



The undersigned declares that a plan of merger has been adopted by the parent domestic entity (NRS 92A.180)

- 4) Owner's approval (NRS 92A.200)(options a, b, or c must be used, as applicable, for each entity) (if there are more than four merging entities, check box ☐ and attach an 8 1/2" x 11" blank sheet containing the required information for each additional entity):

- (a) Owner's approval was not required from:

Name of merging entity, if applicable

Name of merging entity, if applicable

Name of merging entity, if applicable

Name of merging entity, if applicable

and, or,

General Dynamics C4 Systems, Inc.

Name of surviving entity, if applicable

This form must be accompanied by appropriate fees. See attached fee schedule.

Nevada Secretary of State Ask Merger 2003
Revised on 10/24/02

NV033 - 10/19/2004 C.T. State Online

DEAN HELLER
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204 North Carson Street, Suite 1
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Website: secretaryofstate.biz

Articles of War
PRESIDENTIAL
Page 3

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(b) The plan was approved by the required consent of the owners of “:

Spectrum Astro, Inc.

Name of merging entity, if applicable

Name of merging entity, if applicable

Name of merging entity, if applicable

Name of merging entity, if applicable

and, or,

Name of surviving entity, if applicable

* Unless otherwise provided in the certificate of trust or governing instrument of a business trust, a merger must be approved by all the trustees and beneficial owners of each business trust that is a constituent entity in the merger.

This form must be accompanied by appropriate fees. See attached fee schedule.

Nevada Secretary of State AM McGarr 2003
Revised 07/10/2003

NV025 - JN182004 C T System Call

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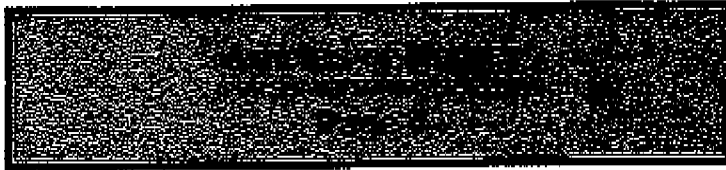
2005-08-10 13:52

CI SYSTEM

312 345 4344 P.05



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Carson City, Nevada 89701-4299
(775) 684 5708
Website: secretaryofstate.biz



Important: Read attached instructions before completing form.

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(c) Approval of plan of merger for Nevada non-profit corporation (NRS 92A.160):

The plan of merger has been approved by the directors of the corporation and by each public officer or other person whose approval of the plan of merger is required by the articles of incorporation of the domestic corporation.

Name of merging entity, if applicable

Name of merging entity, if applicable

Name of merging entity, if applicable

Name of merging entity, if applicable

and, or,

Name of surviving entity, if applicable

This form must be accompanied by appropriate fees. See attached fee schedule.

Nevada Secretary of State AM Merger 2003
Revised 07/10/2003

XV025 - 10/12/2004 CI System Online

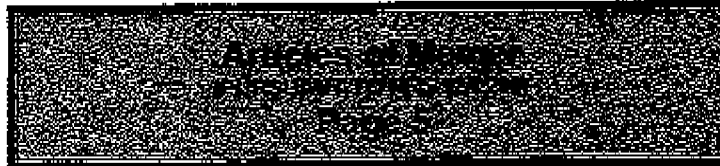
REC-30-2004 13:52

CT SYSTEM

312 345 4344 P.06



DEAN HELLER
Secretary of State
 204 North Carson Street, Suite 1
 Carson City, Nevada 89701-4299
 (775) 684 5708
 Website: secretaryofstate.biz



Important: Read attached instructions before completing form.

ABOVE SPACE IS FOR OFFICE USE ONLY

- 5) Amendments, if any, to the articles or certificate of the surviving entity. Provide article numbers, if available. (NRS 92A.200)*:

None

- 6) Location of Plan of Merger (check a or b):

☐ (a) The entire plan of merger is attached;

or,

☒ (b) The entire plan of merger is on file at the registered office of the surviving corporation, limited-liability company or business trust, or at the records office address if a limited partnership, or other place of business of the surviving entity (NRS 92A.200).

- 7) Effective date (optional)**: January 1, 2005, 12:01 a.m. Eastern Time

* Amended and restated articles may be attached as an exhibit or integrated into the articles of merger. Please entitle them "Restated" or "Amended and Restated," accordingly. The form to accompany restated articles prescribed by the secretary of state must accompany the amended and/or restated articles. Pursuant to NRS 92A.180 (merger of subsidiary into parent - Nevada parent owning 90% or more of subsidiary), the articles of merger may not contain amendments to the constituent documents of the surviving entity except that the name of the surviving entity may be changed.

** A merger takes effect upon filing the articles of merger or upon a later date as specified in the articles, which must not be more than 90 days after the articles are filed (NRS 92A.240).

This form must be accompanied by appropriate fees. See attached fee schedule.

Nevada Secretary of State All Merger 2003
 Revised on: 10/24/03

NV025-10/18/2004 CT System Defines

DEC-30-2004 13:52

CI SYSTEM

312 343 4344 P.07



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204 North Carson Street, Suite 1
Carson City, Nevada 89701-4299
(775) 684 5703
Website: secretaryofstate.nv.gov



Important: Read attached instructions before completing form.

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- 8) Signatures – Must be signed by: An officer of each Nevada corporation; All general partners of each Nevada limited partnership; All general partners of each Nevada limited partnership; A manager of each Nevada limited-liability company with managers or all the members if there are no managers; A trustee of each Nevada business trust (NRS 92A.230) (If there are more than four merging entities, check box ☐ and attach an 8 1/2" x 11" blank sheet containing the required information for each additional entity.):

Spectrum Astro, Inc.

Name of merging entity

Magaret R. Blum
Signature

Secretary

Title

12 / 17 / 04
Date

Name of merging entity

Signature

Title

Date

Name of merging entity

Signature

Title

Date

Name of merging entity

Signature

Title

Date

General Dynamics C4 Systems, Inc.

Name of surviving entity

Magaret R. Blum
Signature

Secretary

Title

12 / 17 / 04
Date

* The articles of merger must be signed by each foreign constituent entity in the manner provided by the law governing it (NRS 92A.230). Additional signature blocks may be added to this page or as an attachment, as needed.

IMPORTANT: Failure to include any of the above information and submit the proper fees may cause this filing to be rejected.

This form must be accompanied by appropriate fees. See attached fee schedule.

Nevada Secretary of State All Merger 2243
Revised 06-1002493

NV025 - 10/12/2004 CT System Update

TOTAL P.07