

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	MERGER
EFFECTIVE DATE:	12/31/2001
CONVEYING PARTY DATA	
Name	Execution Date
Raytheon E-Systems, Inc.	12/19/2001
RECEIVING PARTY DATA	
Name:	Raytheon Company
Street Address:	870 Winter Street
City:	Waltham
State/Country:	MASSACHUSETTS
Postal Code:	02451
PROPERTY NUMBERS Total: 1	
Property Type	Number
Patent Number:	5771439
CORRESPONDENCE DATA	
Fax Number:	(781)522-6465
Phone:	781-522-3051
Email:	kate_e_emerson@raytheon.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Correspondent Name:	Kate Emerson c/o Raytheon Company
Address Line 1:	870 Winter Street
Address Line 4:	Waltham, MASSACHUSETTS 02451
ATTORNEY DOCKET NUMBER:	97E931-US-NP
NAME OF SUBMITTER:	Donald F. Mofford
Total Attachments: 5 source=E-Systems to Raytheon Merger#page1.tif source=E-Systems to Raytheon Merger#page2.tif source=E-Systems to Raytheon Merger#page3.tif source=E-Systems to Raytheon Merger#page4.tif source=E-Systems to Raytheon Merger#page5.tif	

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PATENT
REEL: 026919 FRAME: 0299

State of Delaware
Office of the Secretary of State

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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 OWNERSHIP, WHICH MERGES:

"RAYTHEON E-SYSTEMS, INC.", A DELAWARE CORPORATION,

WITH AND INTO "RAYTHEON COMPANY" UNDER THE NAME OF "RAYTHEON COMPANY", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTIETH DAY OF DECEMBER, A.D. 2001, AT 12 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF OWNERSHIP IS THE THIRTY-FIRST DAY OF DECEMBER, A.D. 2001.

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



Harriet Smith Windsor
Harriet Smith Windsor, Secretary of State

0472015 8100M

AUTHENTICATION: 1521536

010658250

DATE: 12-21-01

PATENT
REEL: 026919 FRAME: 0300

CERTIFICATE OF OWNERSHIP AND MERGER

OF

RAYTHEON E-SYSTEMS, INC.
(a Delaware corporation)

INTO

RAYTHEON COMPANY
(a Delaware corporation)

It is hereby certified that:

1. Raytheon Company (the "Company") is a business corporation of the State of Delaware.

2. The Company is the owner of all of the outstanding shares of the stock of Raytheon E-Systems, Inc., which is also a business corporation of the State of Delaware.

3. On December 19, 2001, the Board of Directors of the Company adopted the following resolutions to merge Raytheon E-Systems, Inc. into the Company:

VOTED: That the Agreement and Plan of Liquidation and Merger heretofore presented to the Board, merging Raytheon E-Systems, Inc. ("RESY") into the Company, be, and it hereby is, adopted and that all of the estate, property, rights, privileges, powers, and franchises of RESY be vested in and held and enjoyed by the Company as fully and entirely and without change or diminution as the same were before held and enjoyed by RESY in its name.

VOTED: That the Company assume all of the obligations of RESY.

VOTED: That the Company shall cause to be executed and filed and/or recorded the documents prescribed by the laws of the State of Delaware and by the laws of any other appropriate jurisdiction and will cause to be performed all necessary acts within the jurisdiction of organization of RESY and of the Company and in any other appropriate jurisdiction.

VOTED: That the effective time of the Certificate of Ownership and Merger setting forth a copy of these resolutions shall be 11:59 p.m. on December 31, 2001, or such other time as the officers of the Company shall deem appropriate, and that, insofar as the General Corporation Law of the State of Delaware shall govern the same, said time shall be the effective liquidation by merger time.

VOTED: That the officers of the Company be, and each of them acting singly hereby is, authorized and directed, in the name and on behalf of the Company, including on behalf of the Company as stockholder RESY, and under its corporate seal, if desired, attested by an appropriate officer, if desired, from time to time to execute, make oath to, acknowledge and deliver any and all such certificates and other instruments and papers, and to do or cause to be done any and all such other acts and things as may be shown by his, her or their judgment necessary or desirable in connection with the foregoing resolutions, such officer's execution and/or performance thereof to be conclusive evidence of such approval and of the authorization thereof by this Board of Directors, and all such actions taken to date by any of the aforesaid officers of the Company be, and they hereby are, ratified, affirmed and approved.

4. The effective time of this Certificate of Ownership and Merger shall be 11:59 p.m. on December 31, 2001.

Executed on December 19, 2001

RAYTHEON COMPANY

By: John W. Kapples /s/
John W. Kapples
Vice President and Secretary

State of Delaware
Office of the Secretary of State

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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 AMENDMENT OF "E-SYSTEMS, INC.", CHANGING ITS NAME FROM "E-SYSTEMS, INC." TO "RAYTHEON E-SYSTEMS, INC.", FILED IN THIS OFFICE ON THE THIRD DAY OF JULY, A.D. 1996, AT 4 O'CLOCK P.M.



Harriet Smith Windsor
Harriet Smith Windsor, Secretary of State

0619629 8100

AUTHENTICATION: 1191377

010287674

DATE: 06-15-01

PATENT
REEL: 026919 FRAME: 0303

STATE OF DELAWARE
SECRETARY OF STATE
DIVISION OF CORPORATIONS
980186670 - 819623

**AMENDMENT TO CERTIFICATE OF INCORPORATION
OF
E-SYSTEMS, INC.**

E-Systems, Inc., a corporation organized and existing under the laws of the State of Delaware, hereby certifies as follows:

1. The name of the Corporation is E-Systems, Inc. (the "Corporation"). The date of filing the Corporation's original Certificate of Incorporation with the Secretary of State of Delaware was December 28, 1964 under the title of LTV ElectroSystems, Inc.

2. That ARTICLE ONE of the Corporation's Certificate of Incorporation is hereby amended as set forth below:

"ARTICLE ONE: The name of the corporation is Raytheon E-Systems, Inc."

3. This Amendment to the Certificate of Incorporation of E-Systems, Inc. was duly adopted by the sole stockholder of the Corporation by written consent dated July 3, 1996 in accordance with Section 242(b) of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, E-Systems, Inc. has caused this Amendment to the Certificate of Incorporation to be signed by its Chairman and Chief Executive Officer on the 3rd day of July, 1996 who acknowledges that the facts stated herein are true.

E-Systems, Inc.

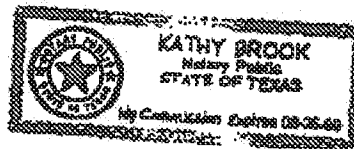
By: *A. Lowell Lawson*
A. Lowell Lawson
Chairman & Chief Executive Officer

ATTESTED:

Michael C. Eberhardt
Michael C. Eberhardt
Secretary

SUBSCRIBED AND SWORN TO
before me this 3rd day of July 1996.

Kathy Brook
Notary Public



My Commission Expires: 6-25-99