FORM PTO-1619A Expires 06/30/99 OMB 0651-0027 02-14-2001



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Corrective Reel #	e Document (For Use ONLY by U.S. Government Agencies) 011190 Frame # 0729 Departmental File Secret File				
Conveying P	onveying Party(ies) Mark if additional names of conveying parties attached Execution Date				
Name (line 1)	Raytheon Optical Systems, Inc. Month Day Year 12291998				
Name (line 2)	a corporation of Delaware				
Second Party Name (line 1)	Month Day Year				
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Receiving Pa	Mark if additional names of receiving parties attached				
Name (line 1)	Raytheon Company If document to be recorded is an assignment and the receiving party is not				
Name (line 2)	a corporation of Delaware domiciled in the United States, an appointment of a domestic				
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Address (line 2)	141 Spring Street Assignment.)				
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Budget Package 0651-0027, Patent and Tracemark Assignment Plackage of No. 1 (a) Information to:

Mail documents to be recorded with required cover sheet(s) information to:

Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

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FORM PTO-16191 Expires 06/30/99 OMB 0651-0027	3	Page 2		U.S. Department of Commerce Patent and Trademark Office PATENT
Correspondent N	lame and Address	Area Code and Teleph	one Number 8055	6622108
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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. Charges to deposit account are authorized, as

Statement and Signature

indicated herein.

William C. Schubert, Reg. 30,102

Name of Person Signing

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PAGE 81

(703) 306-5995 PTAS FAX NO. 700003377 700003377 FORM PTO-1619A U.S. Department : Polant and Trade OMB 0051-0027 PATENT RECORDATION FORM COVER SHEET PATENTS ONLY

E: Please report the attached original document(s) or copy(lee) To: The Commissioner of Patents and Trademarks: Submission Type 🚃 Conveyance Type Now Assignment Security Agreement Resubmission (Non-Recordstion) License Change of Name Document ID# Correction of PTO Error X Morger Other Reef # U.S. Gavernment Corrective Document Reel # Frame # Departmental File Secret File Conveying Party(les) Mark it additional names of conveying parties attached Execution Date Home (Inc 1) Raytheon Optical Systems, Inc. 12291998 Name (line 2) a corporation of Delaware Execution Date Month Day Yes Second Party Name (Inc 1) Name (Ene 2) Receiving Party Mark if additional names of receiving parties attached if document to be recerile to an evaluation and the receiving party is not demicited in the United Name (in 1) Raytheon Company Name the # a corporation of Delaware e, an appek Statos, un el s dern representative is establed. (Dustymation must be a separate desument from April 1997) Address (lim 1) Office of the General Counsel ane) Address (Im 2) 141 Spring Street 02421 Massachusetts Address the ti Lexington Domestic Representative Name and Address Enter for the first Receiving Party only. Name Address time 1) Address (the 3) Address time # Address tine 4 FOR OFFICE USE ONLY regard to guarage approximately 30 minutes per Cover seems and Tradermark Offices, Chief consenses reporting this burden emission to the U.S. Petest and Tradermark Offices, Chief ps, Critics of theregovered and Bulger, Paperson's Reduction Project (MAS-1-0227), Whistin Tradermark Audigmented Provides, CO MOT MICHO REQUESTS TO REGORD AND AUDIGMENTATION CO. K Pickage 0071-0027, Potert a Mell documents to be recorded with required cover sheet(a) information to: Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231 resi .res

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U.S. Department of Common Patent and Trademark Office FORM PTO-1619B Page 2 Deha 10/15/65 ONB 1051-0027 PATENT Correspondent Name and Address Area Code and Telephone Number 8055622108 Raytheon Company Patent Docket Administration Address #m 2) 214a: E0/E1 M/E 2150 Address plan a O. BOX 902 Secundo, California 90245-0902 Pages Enter the total number of pages of the attached conveyance document Including any attachments. Application Number(s) or Patent Number(s) Mark if edulitional numbers attached Enter alther the Patent Application Mumber or the Patent Mumber (DO NOT ENTER SOTH numbers for the same property). Patent Application Number(s) Patent Number(s) 4492669 5020901 4512107 4620794 4550973 4594002 4593107 4857721 4806747 If this document is being filed together with a signed by the first named manufing inventor. Patent Application, enter the date the patent application was Day Patent Cooperation Treaty (PCT) PCT PCT PCT Enter PCT application number only It a U.S. Application Number PCT PCT PCT has not been assigned. Number of Properties # 17 Enter the total number of properties involved. 680 Fee Amount for Properties Listed (37 CFR 3.41): \$ Fee Amount Deposit Account Enclosed Method of Payment: Deposit Account (Enter for payment by deposit account or If additional fees can be charged to the account.) # 500616 Deposit Account Number: X Authorization to charge additional fees: Yes 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. Charges to deposit account are authorized, as indicated herein. William C. Schubert Signature Name of Person Signing

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REEL: 011506 FRAME: 0159

CERTIFICATE OF OWNERSHIP AND MERGER

OF

RAYTHEON OPTICAL SYSTEMS, INC. (a Delaware corporation)

INTO

RAYTHEON COMPANY (a Delaware corporation)

It is hereby certified that:

- 1. Raytheon Company (the "Corporation") is a business corporation of the State of Delaware.
- 2. The Corporation is the owner of all of the outstanding shares of the stock of Raytheon Optical Systems, Inc., which is also a business corporation of the State of Delaware.
- 3. On November 26, 1998, the Board of Directors of the Corporation adopted the following resolutions to merge Raytheon Optical Systems, Inc. into the Corporation:
- VOTED: That the Plan of Liquidation heretofore presented to the Board, merging Raytheon Missile Systems Company; Applied Remote Technology, Inc.; Standard Missile Company, L.L.C.; Raytheon TI Systems, Inc.; Raytheon Tennessee Company; Raytheon Optical Systems, Inc.; Raytheon Systems Mississippi, Inc.; Raytheon Systems Georgia, Inc.; Raytheon Systems South Carolina; Hughes Transportation Control Systems, Inc.; Raytheon Middle East Company and Raytheon Appliances/Amana Receivables Corporation (the "Liquidated Subsidiaries") into this Corporation, be, and it hereby is, adopted.
- That each Agreement and Plan of Merger heretofore presented to the Board, merging Raytheon Training, Inc. Amber Engineering, Inc. and Raytheon Information Systems Company (together with the Liquidated Subsidiaries, the "Subsidiaries") into this Corporation, be, and they hereby are, adopted and that all of the estate, property, rights, privileges, powers, and franchises of the Subsidiaries be vested in and held and enjoyed by this Corporation as fully and entirely and without change or diminution as the same were before held and enjoyed by the Subsidiaries in their name.
- <u>VOTED</u>: That this Corporation assume all of the obligations of the Subsidiaries.
- VOTED: That this Corporation shall cause to be executed and filed and/or recorded the documents prescribed by the laws of the State of Delaware, by the laws of the State of California, and by the laws of any other appropriate jurisdiction and will

ענען נובאא וובקאש שאראר ההתעשר התעצד

NO. 8898 P. 3

PATENT REEL: 011506 FRAME: 0160 cause to be performed all necessary acts within the jurisdiction of organization of the Subsidiaries and of this Corporation and in any other appropriate jurisdiction.

YOTED:

That the effective time of the Certificate of Ownership and Merger setting forth a copy of these resolutions shall be December 29, 1998, or such other time as the officers of the Corporation 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 merger time.

4. The effective time of the merger shall be 11:59 p.m. on December 29, 1998.

Executed on December 29, 1998.

RAYTHEON COMPANY

By: Jud IN her

Assistant Secretary

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PERKERPE COORSET

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State of Delaware

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Office of the Secretary of State

I, EDWARD J. FREEL, 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:

"RATTHEON OPTICAL SYSTEMS, INC.", A DELAMARE CORPORATION,

WITH AND INTO "RAYTHEON COMPANY" UNDER THE NAME OF "RAYTHEON COMPANY", A COMPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTY-NINTH DAT OF DECEMBER, A.D. 1998, AT 10:06 O'CLOCK A.M.

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

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AUTHENTICATION:

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DATE:

12-30-98

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