FORM PTO-1619A Expires 06/30/99 OMB 0651-0027 RECORI TO: The Commissioner of Patents and Tradema	PATENTS ON	ILY	U.S. Department of Commerce Patent and Trademark Office PATENT VAY U.S. Department of Commerce Patent and Trademark Office PATENT VAY U.S. Department of Commerce Patent and Trademark Office VAY U.S. Department of Commerce Patent and Trademark Office PATENT VAY U.S. Department of Commerce Patent and Trademark Office PATENT VAY U.S. Department of Commerce Patent and Trademark Office PATENT VAY U.S. Department of Commerce Patent and Trademark Office PATENT VAY VAY VAY U.S. Department of Commerce Patent and Trademark Office VAY VAY U.S. Department of Commerce Patent and Trademark Office VAY VAY U.S. Department of Commerce Patent and Trademark Office VAY VAY U.S. Department of Commerce Patent and Trademark Office VAY VAY U.S. Department of Commerce Patent and Trademark Office VAY VAY U.S. Department of Commerce Patent and Trademark Office VAY VAY U.S. Department of Commerce VAY VAY U.S. Department of Commerce VAY VAY VAY VAY VAY VAY VAY VAY
Submission Type	Conveyance Ty	rpe	
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Correction of PTO Error Reel # Frame #	X Merger	U.S. Governmen	
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Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

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

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

S95019/he.ray/WJHamilton

Name of Person Signing Signature Date	
William C. Schubert Name of Person Signing Signature Date	
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.	
Authorization to charge additional fees: Yes No No	
(Enter for payment by deposit account or if additional fees can be charged to the account.) Deposit Account Number: # 500616	
Method of Payment: Enclosed Deposit Account X Deposit Account	
Fee Amount for Properties Listed (37 CFR 3.41): \$ 40	
Number of Properties Enter the total number of properties involved. # 1	
Enter PCT application number only if a U.S. Application Number PCT	
Patent Cooperation Treaty (PCT)	
If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.	
5723866	
Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property). Patent Application Number(s) Patent Number(s)	
Application Number(s) Mark if additional numbers attached	
Pages Enter the total number of pages of the attached conveyance document including any attachments. # 3	
Address (line 4) El Segundo, California 90245-0902	
Address (line 3) P. O. Box 902	
Address (line 2) Bldg. RE/R11 M/S M365	
Address (line 1) Patent Docket Administration	
Name Raytheon Company Area Code and Telephone Number 8055622108	
OMB 0651-0027	
FORM PTO-1619B Expires 06/30/99 Page 2 U.S. Department of Commerce Patent and Trademark Office	7

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PATENT REEL: 009950 FRAME: 0368 فهجر المهزرة فتحدد

RICEUPES LAYTON & FINGER

STATE OF DELAMAR OF STATE DIVISION OF CORPORATIONS FILED 03:20 PM 12/17/1997 971434564 - 0472015

CERTIFICATE OF MERGER

OB

RAYTHEON COMPANY

WITH AND INTO

HE HOLDINGS, INC.

Under Section 251

OI

the Delaware General Corporation Law

THE UNDERSIGNED, HE Holdings, Inc. ("Defense") and Raythson Company ("Raythson"), in connection with the merger of Raythson with and into Defense (the "Merger"). hereby certify as follows:

FIRST: The name and the state of incorporation of each of the constituent corporations are:

Name

State of Incorporation

HE Holdings, Inc.

Delaware

Raytheon Company

Delavare

SECOND: An agreement and plan of merger relating to the Merger (the 'Agreement of Merger') has been approved, adopted, certified, executed and acknowledged by each of the constituent corporations in accordance with Section 251 of the Delaware General Corporation Law.

THIRD: The name of the surviving corporation of the Merger is HE Holdings. Inc.

FOURTH: The Certificate of Incorporation of the surviving corporation shall be the Amended and Restated Certificate of Incorporation of HE Holdings, Inc. as filed with the Secretary of State of Delaware on December 12, 1997; provided, however, that Article I thereof shall be amended and restated as of the effectiveness of the Merger to read as follows:

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PATENT REEL: 009950 FRAME: 0369

'Article I Name

The name of the corporation (which is hereafter referred to as the "Corporation") is Raytheon Company."

FIFTH: The merger shall be effective at and as of 5:00 p.m. (Hastern Time) on December 17, 1997.

SIXTH: The executed Agreement of Margar is on file at the principal place of business of the surviving corporation at 141 Spring Street, Lexington, Massachusetts 02173.

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

IN WITNESS WHERROF, the undersigned corporations have duly executed this Certificate this 17th day of December 1997.

RAYTHEON COMPANY

Name: Thimas D Wide

TICLE: VICE PRESIDENT AND CENERAL

HE HOLDINGS, INC.

av:

Name: J.L. Williamson Title: Asyst. Sockeracy

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MINISTON OF CORPORATIONS + CT-WILM

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PATENT REEL: 009950 FRAME: 0370

State of Delaware

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 MERGER, WHICH MERGES:

"RAYTHEON COMPANY", A DELAWARE CORPORATION,

WITH AND INTO "HE HOLDINGS, INC." 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 SEVENTEENTH DAY OF DECEMBER, A.D. 1997, AT 3:20

O'CLOCK P.M.



Edward J. Freel, Secretary of State

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AUTHENTICATION:

DATE:

9114923

06-02-98

PATENT REEL: 009950 FRAME: 0371

RECORDED: 05/12/1999