FORM PTO-1619A Expires 06/30/99 OMB 0651-0027 11-12-1999



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U.S. Department of Commerce Patent and Trademark Office PATENT

Submission Type	Conveyance Ty	e attached original document(s) or copy(ies).	
المكا		Security Agreement	
<u></u>	Assignment	Security Agreement	
Resubmission (Non-Recordation Document ID#	License	Change of Name	
Correction of PTO Error Reel # Frame # Corrective Document		U.S. Government Use ONLY by U.S. Government Agencies)	
Reel # Frame #		Departmental File Secret File	
Conveying Party(ies)	Mark if addition	nal names of conveying parties attached Execution Da Month Day	
Name (line 1) HE Holdings, In	c. dba Hughes Electronic	cs 12171997	
Name (line 2) a corporation of	of Delaware		
Second Party Name (line 1)		Execution Dat Month Day	
Name (line 2)			
Receiving Party		Mark if additional names of receiving parties attached	
Name (line 1) Raytheon Com	pany	If document to be is an assignment	
Name (line 2) a corporation	of Delaware	receiving party is a domiciled in the U States, an appoint of a domestic	
Address (line 1) Office of the	Office of the General Counsel representative is att		
Address (line 2) 141 Spring S	treet	separate documer Assignment.)	
Address (line 3) Lexington	Massachuset		
Domestic Representative Nam	ne and Address Ente	Zip Code or for the first Receiving Party only.	
Name			
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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-1619B Expires 06/30/99 OMB 0651-0027	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT
Correspondent Name and Address	S Area Code and Telephone Number	8055622108
Name Ravtheon Company		
Address (line 1) Patent Docket Ad	ministration	
Address (line 2) Loc: EO Bldg.	E1 M/S E150	
Address (line 3) P. O. Box 902		
Address (line 4) El Segundo, Cali	fornia 90245-0902	
Pages Enter the total number of including any attachmen	pages of the attached conveyance docutes.	# 3
Application Number(s) or Patent N	umber(s) Mark	if additional numbers attached
	he Patent Number (DO NOT ENTER BOTH numbe	* * *
Patent Application Number(s)	Pate	ent Number(s)
08797767		
If this document is being filed together with a year.		
If this document is being filed together with a <u>new</u> P signed by the first named executing inventor.	ratent Application, enter the date the patent applica	ation was Month Day Year
Patent Cooperation Treaty (PCT)		
Enter PCT application number	PCT PCT	PCT
only if a U.S. Application Number has not been assigned.	ber PCT PCT	PCT
Number of Properties Enter the	total number of properties involved.	# 1
Fee Amount Fee Amount	nt for Properties Listed (37 CFR 3.41):	\$: 40
Deposit Account	Deposit Account	
(Enter for payment by deposit account or if a	additional fees can be charged to the account.)	# 500616
	Deposit Account Number:	# 500616
6	Authorization to charge additional fees:	Yes X No
Statement and Signature		
To the best of my knowledge and attached copy is a true copy of the indicated herein.	belief, the foregoing information is true e original document. Charges to depos	and correct and any it account are authorized, as
William C. Schubert	William Cherlin	11-05-99
Name of Person Signing	Signature	Date

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RICHARDS LAYTON & FINGER

R STATE OF DELAWARE \$\alpha 002\$
SECRETARY OF STATE
DIVISION OF CORPORATIONS
FILED 03:20 PM 12/17/1997
971434564 - 0472015

CERTIFICATE OF MERGER

OF

RAYTHEON COMPANY

WITH AND INTO

HE HOLDINGS, INC.

Under Section 251

of

the Delaware General Corporation Law

THE UNDERSIGNED, HE Holdings, Inc. ("Defense") and Raytheon Company ("Raytheon"), in connection with the merger of Raytheon 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

Delaware

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:

Doc. VI.A.12

"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. (Bastarn Time) on December 17, 1997.

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

SEVENTH: 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 WHEREOF, the undersigned corporations have duly executed this Certificate this 17th day of December 1997.

RAYTHEON COMPANY

Name: THOMAS D. WYDE

Title: VICE PRESIDENT AND CENERAL

COUNSE L

HE HOLDINGS, INC.

Nage: J. L. Williamsen

Title: Assist. SECESTARY

REEL: 010367 FRAME: 0955

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.

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REEL: 010367 FRAME: 0956