To the Assistant Commissioner for Patents and Trademarks:         Please record the attached original documents or copy thereof.       ATTORNEY DOCKET NO. 100374-14         1. Name of conveying party(ies):       a)         a) HE Holdings, Inc.       0         b)       e)       c)         c)       0         c)       0         dditional name(s) of conveying party(ies):       Name: Raytheon Company         Street Address:       141 -20 - 1998         MA       Zip: 02173         Street Address:       100908563	RECORDATION FORM COVER SHEET	
Please record the attached original documents or copy thereof.       ATTORNEY DOCKET NO. 100374-14         1. Name of conveying party(ies):       a)	PATENTS ONLY	
a) HE Holdings, Inc.       d)         b)	To the Assistant Commissioner for Patents and Trademarks: Please record the attached original documents or copy thereof. ATTORNEY DOCKET NO. 100374-14	
b)		2. Name and address of receiving party(ies):
Additional name(s) of conveying party(ies) attached?Yes _X_No       Street Address: <u>141 Spring Street</u>	a) <u>HE Holdings, Inc.</u> d)	Name: Dauthean Company
Additional name(s) of conveying party(ies) attached?Yes _X_No       Street Address: <u>141 Spring Street</u>	b) b) b)	Name: <u>Raymeon Company</u>
party(ies) attached? Yes Yes No     11-20-1998 MA Zip: 02173     3. Nature of conveyance: Image: 00008563   Assignment 100908563   Assignment Additional name(s) & address(es)   attached? Yes   Yes X   No Additional name(s) & address(es)   attached? Yes   Yes X   No Additional name(s) & address(es)   attached? Yes   Yes X   No B. Patent No. (s)   08/785,183 City: Boston   Street Address: One International Place   City: Boston   State: MA   Zip: 02110-2699   9/198   DROWEN 6000168 0878183   Cistatement and signature.   To the bits of on houlds deares its   02000   Cistatement and signature.   To the bits of on houlds deares its   04000   Do NOT USE THIS SPACE   9. Statement and signature.   To the bits of on houlds deares its   100000   11-20-1998		Street Address: <u>141 Spring Street</u>
11-20-1998       MA		
3. Nature of conveyance:	party(ies) attached? Yes _X_ No	City: <u>Lexington</u>
Assignment       100908563         Assignment       100908563         Assignment       100908563         Additional name(s) & address(es)       attached? Yes No         Other	11-20-1998 <u>MA</u> Zip: <u>02173</u>	
X       Merger       100908563         Additional name(s) & address(es)       attached?       Yes         X       No       Additional name(s) & address(es)         Attached?       Yes       X         No       No       Statched?       Yes         Application number(s) or patent number(s):       If this document is being filed together with a new application, the execution date of the application is:       B. Patent No. (s)       08/785,183         A       Patent Application No.(s)       B. Patent No. (s)       6. Total number of applications and patents involved?       1         Name:       Judith C. Crowley       1       7. Total fee (37 CFR 3.41)       \$40.00         Nutter, McClennen & Fish, LLP       X       Enclosed	3. Nature of conveyance:	
		i de la constante de
Other         Execution Date:      December 17, 1997	Security Agreement	
Execution Date:       December 17, 1997		attached? Yes X No
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is:		
If this document is being filed together with a new application, the execution date of the application is:		
A. Patent Application No.(s) 08/785,183       B. Patent No. (s)         Additional numbers attached?       Yes X No         5. Name and address of party to whom correspondence concerning document should be mailed:       6. Total number of applications and patents involved?         Name:       Judith C. Crowley Nutter, McClennen & Fish, LLP       7. Total fee (37 CFR 3.41)         Street Address: One International Place       Authorized to be charged to Deposit Account No. 141449         City: Boston State: MA       Zip: 02110-2699         79/1998 DMGUYEN 00000168 08785183       BO NOT USE THIS SPACE         9. Statement and signature. To the best of my knowledge and beligf, the foregoing information is true and correct and any attached copy is a true copy of the original document.         Judith C. Crowley Name of Attorney       Judith C. Crowley Signature		
08/785,183         Additional numbers attached?       Yes X_No         5. Name and address of party to whom correspondence concerning document should be mailed:       6. Total number of applications and patents involved?         Name:       Judith C. Crowley       1         Name:       Judith C. Crowley       7. Total fee (37 CFR 3.41)       \$40.00         Nutter, McClennen & Fish, LLP       X_Enclosed	date of the application is:	
08/785,183       Additional numbers attached?Yes _X_No         5. Name and address of party to whom correspondence concerning document should be mailed:       6. Total number of applications and patents involved?1         Name:       Judith C. Crowley       1         Name:       Judith C. Crowley       7. Total fee (37 CFR 3.41)         Nutter, McClennen & Fish, LLP       7. Total fee (37 CFR 3.41)         Street Address: One International Place	A Patent Application No. (s) B Patent No. (s)	
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Nutter, McClennen & Fish, LLP      X_Enclosed         Street Address: One International Place      Authorized to be charged to Deposit Account No. 141449         City: Boston       State: MA       Zip: 02110-2699         State: MA       Zip: 02110-2699       8. Deposit Account No. 141449 (Attach duplicate copy of this page if paying by Deposit Account)         State: MA       Zip: 02110-2699       DO NOT USE THIS SPACE		
Street Address: One International Place		
Street Address: One International Place       Deposit Account No. 141449         City: Boston       State: MA Zip: 02110-2699         State: MA Zip: 02110-2699       8. Deposit Account No. 141449 (Attach duplicate copy of this page if paying by Deposit Account)         19/1998 DWGUYEN 00000168 08785183       9. ONOT USE THIS SPACE         9. Statement and signature.       E         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.         Judith C. Crowley       Marth C. Crowley         Name of Attorney       Signature	Nutter, McClennen & Fisn, LLP	
City: Boston       State: MA       Zip: 02110-2699       8. Deposit Account No. 141449 (Attach duplicate copy of this page if paying by Deposit Account)         19/1998 DNGUYEN 00000168 08785183       40.00 DP       DO NOT USE THIS SPACE       E         9. 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.         Judith C. Crowley       Judith C. Crowley       Judith C. Crowley         Name of Attorney       Signature       Judith C. Crowley	Street Address: One International Place	U
State: MA       Zip: 02110-2699         9/1998 DNGUYEN       00000168         00000168       08785183         6:581       40.00 OP         DO NOT USE THIS SPACE         9. 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.         Judith C. Crowley         Name of Attorney         Signature         Signature		Deposit Account No. 141449
19/1998 DNGUYEN 00000168 08785183       duplicate copy of this page if paying by Deposit Account)         FC:581       40.00 0P       DO NOT USE THIS SPACE       E         9. 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.         Judith C. Crowley       Judith C. Crowley       Judith C. Crowley         Name of Attorney       Signature       Judith C. Crowley	•	8. Deposit Account No. 141449 (Attach
C:581       40.00 OP       DO NOT USE THIS SPACE       E         9. 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.         Judith C. Crowley       Judith C. Crowley       Judith C. Crowley         Name of Attorney       Signature       Judith C. Crowley		
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Name of Attorney Signature Date		correct and any attached copy is a true copy of the original document.
Name of Attorney Signature Date	Judith C. Crowley	+1 ( ( $-G$ ) $-G$ ) $-G$
547152 1.WP6 Total number of pages including cover sheet: 4		Date Date
	547152_1.WP6	Total number of pages including cover sheet: 4

PATENT REEL: 9588 FRAME: 0539

# 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

AUTHENTICATION:

DATE:

9024655

PATENT REEL: 9588 FRAME: 0540

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## CERTIFICATE OF MERGER

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RAYTHEON COMPANY

#### WITH AND INTO

#### HE HOLDINGS, INC.

### Under Section 251

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## 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

AB 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 HB 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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## "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. (Bastern 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 By: Name: Thomas D yde

TICLO: VICE PRESIDENT AND GENERAL COUNSEL

HE HOLDINGS, INC.

By: C Name: J.L. Willi Mondan Title: AssisT. Socker Aly

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at

# **RECORDED: 11/16/1998**