

05-17-2001



Form PTO-1595  
(Rev. 03/01)  
OMB No. 0651-0027 (exp. 5/31/2002)

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U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

HE Holdings, Inc., dba Hughes Electronics

5-8-01

Additional name(s) of conveying party(ies) attached?  Yes  No

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

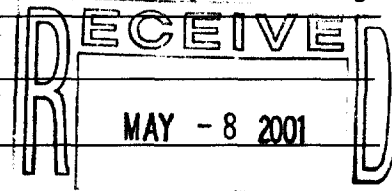
12/17/97

Execution Date: \_\_\_\_\_

2. Name and address of receiving party(ies)

Name: Raytheon Company

Internal Address: Intellectual Property and Licensing



Street Address: \_\_\_\_\_

141 Spring Street

City: Lexington State: MA Zip: 02421-7899

Additional name(s) & address(es) attached?  Yes  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: \_\_\_\_\_

A. Patent Application No.(s)

B. Patent No.(s) 5,607,631; 5,719,975  
5,543,815; 5,398,010; 5,266,961; 5,483,248; 5,583,524;  
5,412,394; 5,349,363; 5,361,076; 5,469,165; 5,380,386

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Raytheon Company

Internal Address: Leonard A. Alkov

Street Address: P.O. Box 902 (E1/E150)

City: El Segundo State: CA Zip: 90245-0902

6. Total number of applications and patents involved: 12

7. Total fee (37 CFR 3.41).....\$ 480.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

50-0616

(Attach duplicate copy of this page if paying by deposit account)

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.

Leonard A. Alkov, 30,021

Name of Person Signing

Signature

05-07-01

Date

Total number of pages including cover sheet, attachments, and documents: 2

Mail documents to be recorded with required cover sheet information to:

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

05/12/2001 LBUPELLER 00000235 500616 5543815  
01 00.581 480.00 CH

PATENT  
REEL: 011796 FRAME: 0010

Office of the Secretary of State

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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.



0472015 8

981318002

A handwritten signature in cursive script, reading "Edward J. Freel".

Edward J. Freel, Secretary of State

AUTHENTICATION: 9259021

DATE: 08-18-98

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:

<u>Name</u>	<u>State of Incorporation</u>
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:

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. (Eastern Time) on December 17, 1997.

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

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: Thomas D. Hyde  
Name: THOMAS D. HYDE  
Title: VICE PRESIDENT AND GENERAL COUNSEL

HE HOLDINGS, INC.

By: J. L. Williamson  
Name: J. L. WILLIAMSON  
Title: ASSIST. SECRETARY

RAYTHEON COMPANY

DELEGATION OF AUTHORITY


PATENT, TRADEMARK, AND COPYRIGHT APPLICATIONS  
AND OTHER DOCUMENTS

I, Glenn H. Lenzen, Jr., Vice President of RAYTHEON COMPANY, pursuant to the authority vested in me by the Board of Directors of RAYTHEON COMPANY, do hereby delegate to Leonard A. Alkov, but without power of redelegation, the authority to execute and deliver for and on behalf of this Company patent applications and trademark, design and copyright applications, as well as any other documents in connection with obtaining and maintaining United States of America and foreign patents, trademark registrations, design registrations, and copyright registrations, and matters similar thereto, however denominated, including specifically but not by way of limitation powers of attorney in connection therewith.


The foregoing delegation of authority, unless earlier rescinded, shall terminate upon notification in writing to the Office of the Secretary.

August 23, 2000

Date

  
Glenn H. Lenzen, Jr.  
Vice President

Specimen signature:

  
Leonard A. Alkov