

07-08-2003



Form PTO-1595 (Rev. 10/02) 7-7-03 OMB No. 0651-0027 (exp. 6/30/2005)

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

Tab settings

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

1. Name of conveying party(ies):

Hughes Aircraft Company a Corporation of Delaware

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

3. Nature of conveyance:

- Assignment Merger Security Agreement Change of Name Other

Execution Date: 12-08-1995

2. Name and address of receiving party(ies)

Name: HE Holdings, Inc., a Delaware Corp.

Internal Address: Patents and Licensing

Building CO/CO1

Street Address: 7200 Hughes Terrace

City: Los Angeles State: CA Zip: 9045

Additional name(s) & address(es) attached? Yes No

OFFICE OF PUBLIC RECORDS 2003 JUL -7 AM 10:39 FINANCE SECTION

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) 5,721,009

Additional numbers attached? Yes No

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

Name: RAYTHEON COMPANY

Internal Address: Intellectual Property & Lic.

P.O. Box 902, (EO/EO4/N119)

Street Address: 2000 E. El Segundo Blvd.

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

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

- Enclosed Authorized to be charged to deposit account

8. Deposit account number:

50-2077

DO NOT USE THIS SPACE

9. Signature.

Leonard A. Alkov, 30,021 Name of Person Signing

Signature

July 1, 2003 Date

Total number of pages including cover sheet, attachments, and documents: 10

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

07/07/2003 LMUELLER 00000180 502077 5721009

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PATENT REEL: 014227 FRAME: 0866

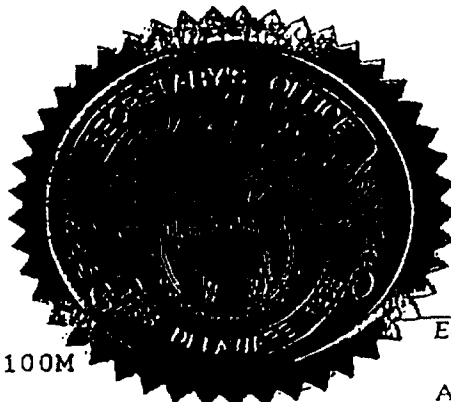
State of Delaware
Office of the Secretary of State

PAGE 1

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:

"HUGHES AIRCRAFT COMPANY", A DELAWARE CORPORATION, WITH AND INTO "HE HOLDINGS, INC." UNDER THE NAME OF "HE HOLDINGS, INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE SIXTEENTH DAY OF DECEMBER, A.D. 1997, AT 12 O'CLOCK P.M.

FAX COPY RECEIVED
FEB 14 2002
TECHNOLOGY CENTER 2800



Edward J. Freel

Edward J. Freel, Secretary of State

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AUTHENTICATION:

11-18-98

DATE:

PATENT
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RICHARDS LAYTON & FINGER

STATE OF DELAWARE
SECRETARY OF STATE
DIVISION OF CORPORATIONS
FILED 12:00 PM 12/16/1997
971430861 - 0472015

CERTIFICATE OF OWNERSHIP AND MERGER

OF

HUGHES AIRCRAFT COMPANY
(a Delaware corporation)

INTO

HE HOLDINGS, INC.
(a Delaware corporation)

(UNDER SECTION 253 OF THE DELAWARE
GENERAL CORPORATE LAW)

It is hereby certified that:

1. HE Holdings, Inc. (the "Corporation") is a corporation of the State of Delaware.
2. The Corporation is the owner of all of the outstanding shares of capital stock of Hughes Aircraft Company, a Delaware corporation (the "Subsidiary").
3. The Corporation hereby agrees to merge the Subsidiary into the Corporation (the "Merger").
4. The following are resolutions adopted by the Board of Directors of the Corporation on December 7, 1997:

"Approval of Merger of Hughes Aircraft Company with and into the Corporation

RESOLVED, that the Hughes Aircraft Company, a Delaware corporation and wholly-owned subsidiary of the Corporation (the "Subsidiary"), be merged with and into the Corporation (the "Sub Merger") pursuant to the provisions of the General Corporation Law of the State of Delaware (the "DGCL"); and

RESOLVED, that the Sub Merger shall be effective on the date (the "Effective Date") of the filing of the Certificate of Ownership and Merger with the Secretary of State of the State of Delaware, substantially in the form attached hereto as Annex 5; and

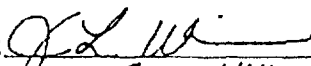
RESOLVED, that pursuant to Section 259 of the DGCL, upon the Effective Date, the separate existence of the Subsidiary shall cease, and the Corporation shall continue its existence as the surviving corporation; and

RESOLVED, that the appropriate officers of the Corporation be, and each of them hereby is, authorized, empowered and directed, in the name and on behalf of the Corporation, to execute and cause to be filed a Certificate of Ownership and Merger with respect to the Sub Merger with the Secretary of State of the State of Delaware."

5. The Merger shall be effective on the date of the filing of this Certificate of Ownership and Merger with the Secretary of State of the State of Delaware.

IN WITNESS WHEREOF, the undersigned, for the purpose of effectuating the Merger, pursuant to the DGCL, under penalties of perjury does hereby declare and certify that this is the act and deed of the Corporation and the facts stated herein are true and accordingly has hereunto signed this Certificate of Ownership and Merger as of the 16th day of December 1997.

HE HOLDINGS, INC.

By: 
Name: J. L. Williamson
Title: ASSISTANT SECRETARY

CERTIFICATE OF AMENDMENT
OF
CERTIFICATE OF INCORPORATION
OF
HUGHES AIRCRAFT COMPANY

Hughes Aircraft Company, a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware, does hereby certify:

FIRST: That the sole stockholder of the Corporation did consent to and adopt the following resolution setting forth a proposed amendment to the Certificate of Incorporation of the Corporation:

RESOLVED, That Article 1 of the Certificate of Incorporation of this corporation is hereby amended to read as follows:

"1. The name of the corporation is HE Holdings, Inc."

SECOND: That this amendment was duly adopted in accordance with the provisions of Section 242 of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, said corporation has caused this certificate to be signed by its Chairman of the Board and attested by its Secretary this 8th day of December, 1995.

HUGHES AIRCRAFT COMPANY

By: *M. T. Smith*
M. T. Smith
Chairman of the Board

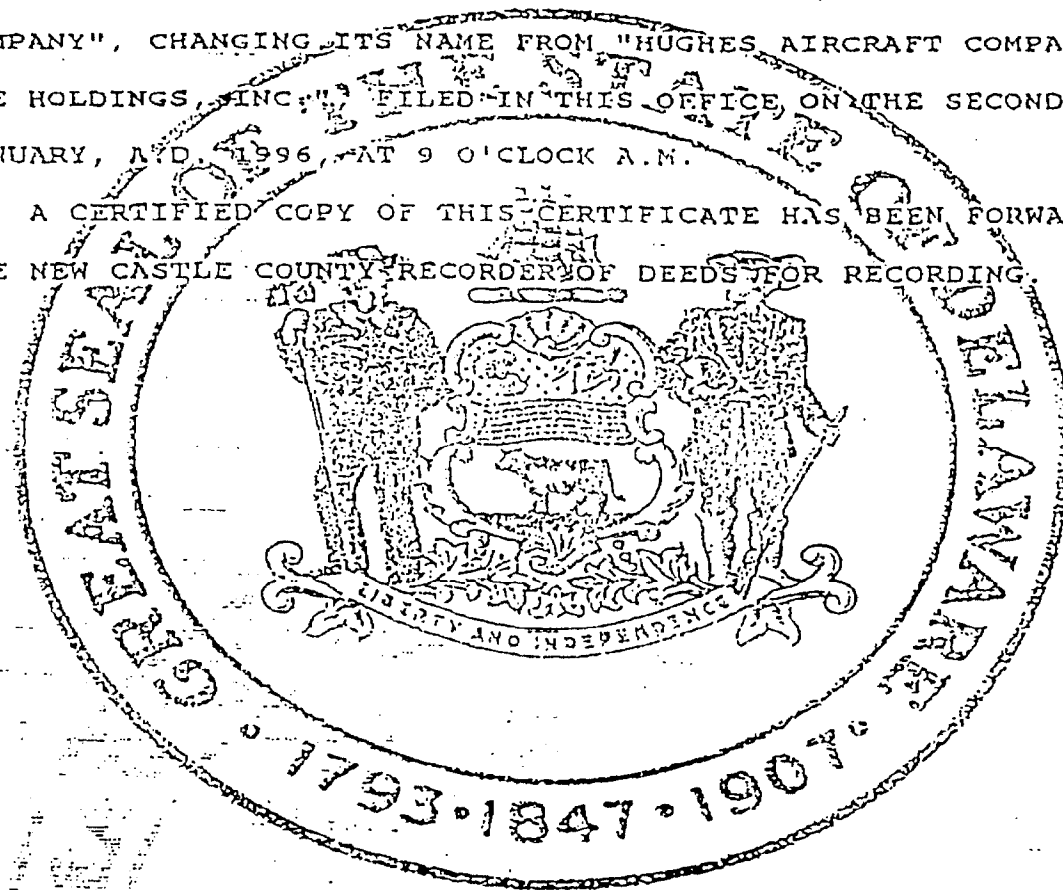
Attest:

By: *R. M. Hall*
R. M. Hall
Secretary

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 AMENDMENT OF "HUGHES AIRCRAFT COMPANY", CHANGING ITS NAME FROM "HUGHES AIRCRAFT COMPANY" TO "HE HOLDINGS, INC." FILED IN THIS OFFICE ON THE SECOND DAY OF JANUARY, A.D. 1996, AT 9 O'CLOCK A.M.

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



Edward J. Freel

Edward J. Freel, Secretary of State

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AUTHENTICATION:

7774686

DATE:

01-02-96