

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	MERGER						
EFFECTIVE DATE:	12/16/1997						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Hughes Aircraft Company</td> <td>12/16/1997</td> </tr> </tbody> </table>		Name	Execution Date	Hughes Aircraft Company	12/16/1997		
Name	Execution Date						
Hughes Aircraft Company	12/16/1997						
RECEIVING PARTY DATA							
Name:	HE Holdings, Inc.						
Street Address:	7200 Hughes Terrace						
City:	Los Angeles						
State/Country:	CALIFORNIA						
Postal Code:	90045						
PROPERTY NUMBERS Total: 2							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Patent Number:</td> <td>5586204</td> </tr> <tr> <td>Patent Number:</td> <td>5608331</td> </tr> </tbody> </table>		Property Type	Number	Patent Number:	5586204	Patent Number:	5608331
Property Type	Number						
Patent Number:	5586204						
Patent Number:	5608331						
CORRESPONDENCE DATA							
Fax Number:	5128538801						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	5128538800						
Email:	dddeluca@intprop.com						
Correspondent Name:	Dawn DeLuca						
Address Line 1:	1120 South Capital of Texas Highway						
Address Line 2:	Building 2, Suite 300						
Address Line 4:	Austin, TEXAS 78746						
ATTORNEY DOCKET NUMBER:	6657-82400						
NAME OF SUBMITTER:	Dean M. Munyon						
Signature:	/Dean M. Munyon/						

CH \$80.00 5586204

Date:

04/08/2013

Total Attachments: 3

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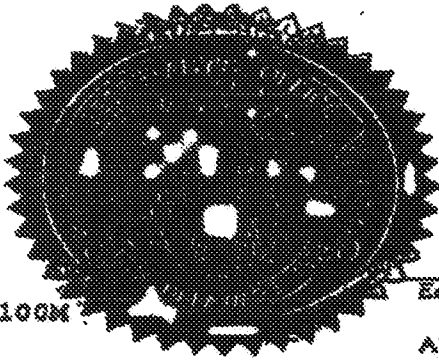
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State of Delaware
Office of the Secretary of State

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.



Edward J. Freel

Edward J. Freel, Secretary of State

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881444070

AUTHENTICATION:

9413672

DATE:

11-18-98

STATE OF DELAWARE
SECRETARY OF STATE
DIVISION OF CORPORATIONS
FILED 12:50 PM 12/18/1997
971430861 - 0472913

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

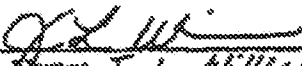
RESOLVED, that pursuant to Section 239 of the DGCL, upon the Effective Date, the separate existence of the Subsidiary shall cease, and the Corporation shall continue its existence as the surviving corporation; and

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 hereto 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