

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Rajendra KUMAR</td> <td>05/31/2012</td> </tr> </tbody> </table>		Name	Execution Date	Rajendra KUMAR	05/31/2012						
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>THE AEROSPACE CORPORATION</td> </tr> <tr> <td>Street Address:</td> <td>2310 East El Segundo Boulevard</td> </tr> <tr> <td>City:</td> <td>El Segundo</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>90245</td> </tr> </table>		Name:	THE AEROSPACE CORPORATION	Street Address:	2310 East El Segundo Boulevard	City:	El Segundo	State/Country:	CALIFORNIA	Postal Code:	90245
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CORRESPONDENCE DATA											
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
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ATTORNEY DOCKET NUMBER:	D709										
NAME OF SUBMITTER:	Malvern U. Griffin III										
Total Attachments: 3 source=Assignment_1#page1.tif source=Assignment_1#page2.tif source=Assignment_1#page3.tif											

CH \$40.00 13486597

ASSIGNMENT

WHEREAS, I, **RAJENDRA KUMAR**, a citizen of the UNITED STATES OF AMERICA, residing at 13910 Rose Street, Cerritos, CA 90703, USA, invented certain inventions and improvements disclosed in a non-provisional application entitled "**Systems and Methods for Fast and Precise Frequency Estimation**," filed with the United States Patent and Trademark Office on June 1, 2012, and assigned U.S. Application Serial No. 13/486,597, and Attorney Docket No. 11390-0075 (D709); and *(We hereby authorize Sutherland Asbill & Brennan LLP to insert necessary information above.)*

WHEREAS, **THE AEROSPACE CORPORATION**, a California non-profit corporation having a principal place of business at 2310 East El Segundo Boulevard, El Segundo, CA 90245 is desirous of acquiring an interest in the same;

NOW, THEREFORE, for and in consideration of Five Dollars (\$5.00) and other good and valuable consideration, the receipt and sufficiency of which we hereby acknowledge, I, **RAJENDRA KUMAR**, by these presents do sell, assign and transfer unto **THE AEROSPACE CORPORATION**, the full, exclusive and entire right, title, and interest in and to said applications, in and to any divisions, continuations, continuations in parts, and reissues thereof, and in and to all inventions and improvements disclosed and described in said applications, preparatory to obtaining Letters Patent of the United States therefor; and I hereby request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States resulting from said applications, or from a division, continuation, continuation in part, or reissue thereof, to **THE AEROSPACE CORPORATION**, as the assignee, for its interest and for the sole use and benefit of **THE AEROSPACE CORPORATION**, and its assigns and legal representatives;

For the same consideration, I, by these presents do sell, assign, and transfer to **THE AEROSPACE CORPORATION**, the full, exclusive, and entire right, title and interest in and to any foreign application or applications corresponding to any of said applications, in whole or in part, in countries other than the United States, in and to any Letters Patent and similar protective rights granted on said foreign applications, and in and to the right to claim any applicable priority rights arising from or required for said foreign applications under the terms of any applicable conventions, treaties, statutes, or regulations; said foreign applications to be filed and issued in the name of **THE AEROSPACE CORPORATION**, or its designee insofar as permitted by applicable law.

AND, for the same consideration, I agree to sign all lawful papers, execute all division, continuing, continuation in part, reissue and other applications, make all assignments and rightful oaths, and generally do everything possible to aid **THE AEROSPACE CORPORATION**, its successors, assigns, and nominees, to obtain and enforce proper protection, including the right to sue for patent infringement, for all said inventions and improvements in all countries throughout the world.

INVENTOR 1

Rajendra Kumar
Rajendra Kumar

Date: 5-31-12

WITNESS: Narain Chhabra

Date: 5-31-12

WITNESS: PV Chhabra

Date: 5/31/12

OR

USE SECTION BELOW ONLY IF SIGNING IN PRESENCE OF A NOTARY

Date: _____

Rajendra Kumar

STATE OF _____)

ss.

COUNTY OF _____)

On _____ before me, Carole Ann Mulchinski, Notary Public, personally appeared **Rajendra Kumar** who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

(Seal)

Notary Public