



IN THE U.

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TRADEMARK OFFICE

ASSIGNMENT TRANSMITTAL ACCOMPANYING A NEW PATENT APPLICATION

First Named Inventor: Gee L. Lui Attorney Docket Number: D552.Title: Noncoherent Symbol Clock Recovery Subsystem

To: The Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313

Attention: Assignment Branch

Dear Sir: Please record the enclosed assignment.

1. IDENTITY OF PARTY MAKING TRANSFER:Inventor(s): Gee L. Lui and Kuang Tsai2. IDENTITY OF PARTY TO WHOM TRANSFER IS MADE :

Internal Address: The Aerospace Corporation

P.O. Box 92957

Los Angeles, CA 90009

Street Address: The Aerospace Corporation

2350 East El Segundo Boulevard

El Segundo, CA 90245

3. NATURE OF CONVEYANCE: Assignment4. EXECUTION DATES:The enclosed assignment was executed on July 10, 2007.The above mentioned new application filed with the enclosed assignment was executed on July 10, 2007.5. APPLICATIONS AND PATENTS INVOLVED:

The above mentioned new application is the only application or patent involved.

6. FEE DUE: \$40.00 The Commissioner for Patents is authorized to charge assignee's deposit account for the assignment recording fee.7. DEPOSIT ACCOUNT NUMBER: 01-0428 for The Aerospace Corporation.8. ADDRESS TO RETURN ASSIGNMENT AFTER RECORDING BY THE PTO:

Carole A. Mulchinski, M1/040

Office of the General Counsel

The Aerospace Corporation

P.O. Box 92957

Los Angeles, CA 90009

9. SIGNATURE AND STATEMENT:

To the best of my knowledge and belief, the foregoing information is true and correct.

07/19/2007 LMUELLER 00000034 010428 11827237

Respectfully Submitted,

*Derrick Michael Reid*Derrick Michael Reid
Registration No. 32,096The Aerospace Corporation
P.O. Box 92957 M1/040
Los Angeles, CA, 90009 USA
Telephone: (310) 336-6708

PATENT

REEL: 019593 FRAME: 0860

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

U.S. PTO

ASSIGNMENT OF PATENT RIGHTS OF AN INVENTION

11/827237

07/11/2007

FOR U.S. Rights and Foreign Rights for a U.S. Patent Application

First Named Inventor: Gee L. Lui Attorney Docket Number: D552.

Title: Noncoherent Symbol Clock Recovery Subsystem .

WHEREAS: In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

THE ASSIGNOR(S):

1st Named Inventor: Gee L. Lui .

Street Address: 15922 Monroe Street .

City, State, Zip, USA: Westminster, CA 92683 USA .

2nd Named Inventor: Kuang Tsai .

Street Address: 1261 La Limonar Road .

City, State, Zip, USA: Santa Ana, CA 92705 USA .

3rd Named Inventor: N/A .

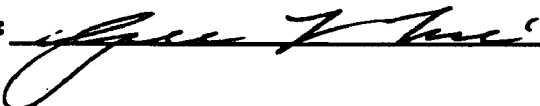
Street Address: .

City, State, Zip, USA: .

HEREBY sells, assigns, grants, and transfers unto the ASSIGNEE: The Aerospace Corporation, M1/040, 2350 East El Segundo Boulevard, El Segundo, CA 90245, USA, and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title, and interest for the United States and its territorial possessions and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the above entitled invention, and which is found in (37 C.F.R. Section 3.21) U.S. patent application executed herewith and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date: 7/10/2007 Signature: .

1st Named Inventor's Name: Gee L. Lui.

Date: 7/10/2007 Signature: .

2nd Named Inventor's Name: Kuang Tsai.

Date: N/A Signature: N/A.

3rd Named Inventor's Name: N/A.