

Attorney Docket No. 020859-005210US

Form PTO-1595 (Rev. 06/04)
OMB No. 0651-0027 (exp. 6/30/2005)U.S. DEPARTMENT OF COMMERCE
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1. Name of conveying party(ies)/Execution Date(s):

James Buckwalter

Execution Date(s) 3/21/05 & 3/22/05Additional name(s) of conveying party(ies) attached? ☒ Yes ☐ No**3. Nature of conveyance:**

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)Name: California Institute of Technology

Internal Address: _____

Street Address: 1200 E. California Blvd.City: PasadenaState: CACountry: US Zip: 91125Additional name(s) & address(es) attached? ☐ Yes ☒ No**4. Application or patent number(s):**☐ This document is being filed together with a new application.

A. Patent Application No.(s)

11/012,857

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No**5. Name and address to whom correspondence concerning document should be mailed:**Name: Raymond B. Horn

Internal Address: _____

TOWNSEND AND TOWNSEND AND CREW LLPStreet Address: Two Embarcadero Center,
Eighth FloorCity: San FranciscoState: California Zip: 94111-3834Phone Number: (415) 576-0200Fax Number: (415) 576-0300Email Address: rbh @townsend.com**6. Total number of applications and patents involved:**1**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00**

- ☐ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Informationa. Credit Card Last 4 numbers _____
Expiration Date _____b. Deposit Account Number 20-1430Authorized User Name Townsend andTownsend and Crew LLP**9. Signature:**Raymond B. Horn

Signature

Mar 28, 2005

Date

Raymond B. Horn

Name of Person Signing Atty. Reg. No. 44,773

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

3Documents to be recorded (including cover sheet) should be faxed to (703) 306-5985, or mailed to:
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Form PTO-1595
Recordation Form Cover Sheet
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Page 2

1. Additional name(s) of conveying party(ies):
(Continued from Page 1)

Seyed Ali Hajimiri
Behnam Analui

2. Additional name(s) and address(es) of receiving party(ies):
(Continued from Page 1)

3. Additional application number(s) or patent number(s):
(Continued from Page 1)

A. Patent Application No.(s)

B. Patent No.(s)

60453571 v1

Attorney Docket No.: 020859-005210US
Client Reference No.: 4013

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, James Buckwalter of 202 S. Parkwood Ave., Pasadena, CA 91107; Seyed Ali Hajimiri of 425 San Palo Pl., Pasadena, CA 91107; Behnam Analui of 420 S. Oak Knoll Ave., Apt. 12, Pasadena, CA 91101 hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: DETERMINISTIC JITTER EQUALIZER

Date(s) of execution of Declaration: March 21 & March 22, 2005

Filing Date: December 14, 2004

Application No.: 11/012,857 ; and

WHEREAS, California Institute of Technology in Pasadena, California, located at 1200 E. California Blvd., Pasadena, CA 91125, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

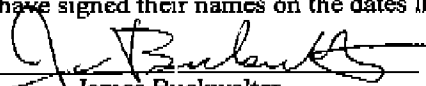
For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, Eighth Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 03/21/05


James Buckwalter

Dated: 03/22/05


Seyed Ali Hajimiri

Dated: 03/21/05


Behnam Analui

60376961 v1