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PATENTS ONLYU.S. DEPARTMENT OF COMMERCE
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Seyed-Ali Hajimiri, Ph.D., Ichiro Aoki,
David B. Rutledge, Ph.D., & Scott David KeeAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: 12/27/01

2. Name and address of receiving party(ies)

Name: California Institute of Technology

Internal Address: 1200 East California Blvd.

Pasadena, California 91125

Street Address: 1200 East California Blvd.

City: Pasadena State: CA Zip: 91125

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

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: 12/27/01

A. Patent Application No.(s) _____

B. Patent No.(s) _____

Additional numbers attached? ☐ Yes ☒ No

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

Name: Christopher J. Rourk

Internal Address: _____

Akin Gump Strauss Hauer & Feld, LLP

P.O. Box 688, Dallas, Texas 75313-0688

Street Address: 1700 Pacific Avenue

Suite 4100

City: Dallas State: TX Zip: 75201-4675

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:

01-0657

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9. Signature.

Christopher J. Rourk

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and documents: 5

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40.00 US

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231PATENT
REEL: 014715 FRAME: 0170

ASSIGNMENT

WHEREAS, Scott David Kee, 1831 Reiter Drive, Pasadena, California 91106, Ichiro Aoki, 52 West Pamela Road, Arcadia, California 91007, Seyed-Ali Hajimiri, 686 South Arroyo Parkway, #33, Pasadena, California 91105 and David B. Rutledge, 1770 Orangewood Street, Pasadena, California 91106-3521, Assignors, have invented a new and useful invention entitled CLASS E/F SWITCHING POWER AMPLIFIERS for which an application for United States Letters Utility Patent was filed by them on October 9, 2001, Serial No. 09/974,557 and executed by them on or about the same date as this Assignment; and

WHEREAS, Assignors believe themselves to be the original, first and joint inventors of the invention disclosed and claimed in the application for Letters Patent; and

WHEREAS, CALIFORNIA INSTITUTE OF TECHNOLOGY, having a place of business at 1200 East California Boulevard, Pasadena, California 91125, Assignee, desires to acquire by formal, recordable assignment the entire right, title and interest in and to the invention, the application, and any Letters Patent that might be granted for the invention in the United States and throughout the world;

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) and of other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors hereby sell, assign and transfer to Assignee, the entire right, title and interest in and to the invention, the application, and any Letters Patent that might be granted for the invention in the United States and throughout the world, including the right to file foreign applications directly in the name of Assignee and to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties or otherwise.

Further, Assignors agree that, upon request and without further compensation, but at no expense to Assignors, they and their legal representatives and assigns will perform all lawful acts, including the execution of papers and the giving of testimony, that might be necessary or desirable for obtaining, sustaining, reissuing or enforcing Letters Patent in the United States and throughout the world for the invention, and for perfecting, recording or maintaining the title of Assignee, its successors and assigns, to the invention, the application, and any Letters Patent granted for the invention in the United States and throughout the world.

Assignors represent and warrant that they have not granted and will not grant to others any rights inconsistent with any of the terms, conditions, or provisions of this Assignment.

Assignors authorize and request the Commissioner of Patents and Trademarks of the United States and of all foreign countries to issue any Letters Patent granted for the invention, whether on the application or on any subsequently filed division, continuation, continuation-in-part or reissue application, to Assignee, its successors and assigns, as the assignee of the entire interest in the invention.

IN WITNESS WHEREOF, Assignors have executed this Assignment.

Assignors

Date: 01/10/02

[Signature]
Scott David Kee

Date: 01/02/02

[Signature]
Ichiro Aoki

Date: 01, 02, 02

[Signature]
Seyed-Ali Hajimiri

Date: 12/27/01

[Signature]
David B. Rutledge

State of California
County of Los Angeles) ss.

On this 10th day of January, in the year of 2002, before me personally appeared **Scott David Kee**, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to this instrument, and acknowledged to me that he executed it.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year of this certificate first above written.

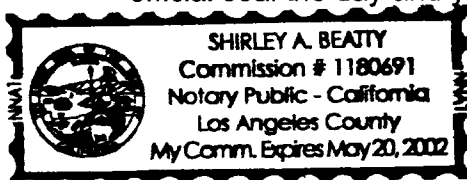
[Signature]
Notary Public in and for Said
County and State



State of California)
County of Los Angeles) ss.

On this 2nd day of Jan., in the year of 2002, before me personally appeared **Ichiro Aoki**, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to this instrument, and acknowledged to me that he executed it.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year of this certificate first above written.

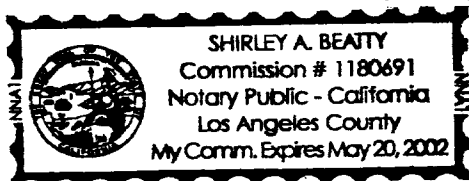


Shirley A. Beatty
Notary Public in and for Said
County and State

State of California)
County of Los Angeles) ss.

On this 2nd day of Jan, in the year of 2002, before me personally appeared **Seyed-Ali Hajimiri**, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to this instrument, and acknowledged to me that he executed it.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year of this certificate first above written.



Shirley A. Beatty
Notary Public in and for Said
County and State

State of California)
County of Los Angeles) ss.

On this 27th day of Dec., in the year of 2001, before me personally appeared **David B. Rutledge**, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to this instrument, and acknowledged to me that he executed it.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year of this certificate first above written.

Shirley A. Beatty
Notary Public in and for Said
County and State

