

03-22-2002

Pocket No. 18807-81301

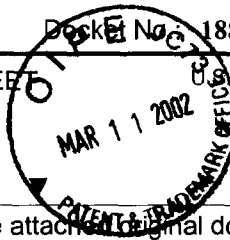
FORM PTO-1595 (Modified)  
(Rev. 03-01)  
OMB No. 0651-0027 (exp. 5/31/2002)  
P08A/REV03



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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

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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):

**Ichiro Aoki**  
**Seyed-Ali Hajimiri**  
**David B. Rutledge**  
**Scott David Kee**

3-11-02

## 2. Name and address of receiving party(ies):

Name: **California Institute of Technology**Address: **1200 East California Boulevard**

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ OtherExecution Date: **12/26/01 and 01/10/02**

Additional name(s) &amp; address(es)

☐ Yes ☒ No

## 4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is:

Patent Application No.

Filing date

B. Patent No.(s)

**09/974,578****October 9, 2001**

Additional numbers

☐ Yes ☒ No

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

Name: **Edward G. Poplawski**Registration No. **33,439**Address: **Sidley Austin Brown & Wood LLP****555 West Fifth Street, 40th Floor****03/21/2002 TDIAZ1 00000164 501597 09974578****01 FC:581 40.00 CH**City: **Los Angeles**State/Prov.: **CA**Country: **USA**ZIP: **90013-1010**

## 6. Total number of applications and patents involved:

**1**7. Total fee (37 CFR 3.41):.....\$ **40.00**☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account☒ Authorized to be charged to deposit account

## 8. Deposit account number:

**50-1597**

(Attach duplicate copy of this page if paying by deposit account)

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## 9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

**Edward G. Poplawski (Reg. 33,439)**
**2-24-02**

Name of Person Signing

Signature

**5**

Date

Total number of pages including cover sheet, attachments, and

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

PATENT

REEL: 012695 FRAME: 0504

## ASSIGNMENT

WHEREAS, Ichiro Aoki, 52 West Pamela Road, Arcadia, California 91007, Seyed-Ali Hajimiri, 686 South Arroyo Parkway, #33, Pasadena, California 91105, David B. Rutledge, 1770 Orangewood Street, Pasadena, California 91106-3521, and Scott David Kee, 1831 Reiter Drive, Pasadena, California 91106, Assignors, have invented a new and useful invention entitled DISTRIBUTED CIRCULAR GEOMETRY POWER AMPLIFIER ARCHITECTURE for which an application for United States Letters Utility Patent was filed by them on October 9, 2001, Serial No. 09/974,578 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.

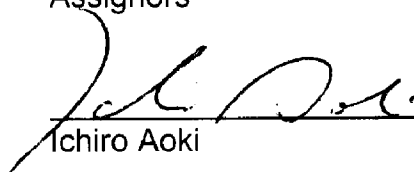
Assignors represent and warrant that they have not granted and will not grant to others any rights inconsistent with any of the terms, conditions, or provisions of this Assignment.

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

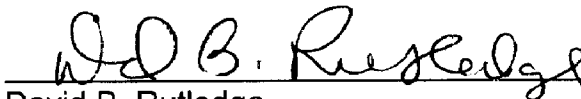
Date: 12/26/01

  
Ichiro Aoki


Date: 12/26/01

  
Seyed-Ali Hajimiri

Date: 12/26/01

  
David B. Rutledge

Date: 01/10/02

  
Scott David Kee

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State of California )  
County of Los Angeles ) ss.

On this 26<sup>th</sup> day of Dec., in the year of 2001, 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 26<sup>th</sup> day of Dec., in the year of 2001, 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 26<sup>th</sup> 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

State of California )  
County of Los Angeles ) ss.

On this 10<sup>th</sup> 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.



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