

03-21-2002

A79154

Form PTO-1595 (modified)

RE

T

U.S. DEPARTMENT OF COMMERCE

(Rev. 03/01)

102026440

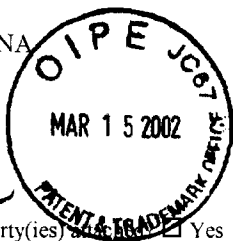
U.S. Patent and Trademark Office

OMB No. 0651-0027

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Anand RAGHUNATHAN  
 Ganesh LAKSHMINARAYANA  
 Nachiketh POTLAPALLY  
 Michael S. HSIAO  
 Srimat T. CHAKRADHAR



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

NEC USA, INC.  
 4 Independence Way  
 Princeton, New Jersey 08540

Additional name(s) of conveying party(ies) ☐ Yes ☒ No

## 3. Nature of conveyance:

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

Execution Date: February 13, 2002; February 15, 2002;  
 February 7, 2002; February 12, 2002; February 7, 2002,  
 respectively

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:

A. Patent Application No.(s)

10/013,496

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

SUGHRUE MION, PLLC  
 2100 Pennsylvania Avenue, N.W.  
 Suite 800  
 Washington, D.C. 20037-3213

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

1

## 7. Total fee (37 CFR 3.41):

\$40.00

- ☒ Enclosed. Please charge any underpayment in connection  
 with this Assignment to Deposit Account No. 19-4880.  
☐ Authorized to be charged to deposit account

## 8. Deposit account number:

19-4880

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

DO NOT USE THIS SPACE

## 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.

Chidambaram Subramanian

Reg. No. 43,355

March 15, 2002

Date

Total number of pages including cover sheet, attachments, and documents: 4

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks  
 Box Assignment  
 Washington, D.C. 20231

03/20/2002 LMUELLER 00000130 10013496

01 FC:581

40.00 00

PATENT  
 REEL: 012685 FRAME: 0360

**ASSIGNMENT**  
(from Inventor to NEC USA, Inc.)

**WHEREAS**, We, Anand RAGHUNATHAN, Ganesh LAKSHMINARAYANA, Nachiketh POTLAPALLY, Michael S. HSIAO and Srimat T. CHAKRADHAR

hereinafter called assignors, have invented certain improvements in

**POWER MODE BASED MACRO-MODELS FOR  
POWER ESTIMATION OF ELECTRONIC CIRCUITS**

and have executed an application for Letters Patent of the United States of America therefor on December 13, 2001; and

**WHEREAS**, NEC USA, Inc.  
4 Independence Way  
Princeton, New Jersey 08540


(assignee) desires to acquire the entire right, title, and interest in the application and invention for the United States of America, and to any United States patents to be obtained therefrom;

**NOW THEREFORE**, for valuable consideration, receipt whereof is hereby acknowledged,

We, the above named assignors, hereby sell, assign and transfer to the above-named assignee, its successors and assigns, the entire right, title, and interest in the invention disclosed therein for the United States of America, and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and we hereby agree that we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

We hereby authorize and request our attorneys, SUGHRUE MION, PLLC, of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3202 to insert here in parentheses (Application Number 10/013,496, filed December 13, 2001 the filing date and application number of said application when known.


Date: 2/13/2002

  
\_\_\_\_\_  
Anand RAGHUNATHAN

NOTARY

State of New Jersey)  
County of Mercer ) ss:

On this 13 day of February 2002, before me personally came Anand Raghunathan, to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

  
\_\_\_\_\_  
Notary  
ANN K. MEIGHAN  
Notary Public of New Jersey  
My Comm. Exp. March 12, 2003

Date:

2/15/2002

Ganesh LAKSHMINARAYANA

NOTARY

State of New Jersey)  
County of Monmouth ss:

On this 15<sup>th</sup> day of February 2002, before me personally came Ganesh Lakshminarayana, to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Notary

Judith Rogerson

JUDITH ROGERSON  
NOTARY PUBLIC

STATE OF NEW JERSEY

MY COMMISSION EXPIRES AUG. 6, 2006

Date:

02/07/02

Nachiketh POTLAPALLY

P. Nachiketh

NOTARY

State of New Jersey)  
County of Mercer ss:

On this 7 day of February 2002, before me personally came Nachiketh Potlapally, to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Notary

Ann K. Meighan

ANN K. MEIGHAN

Notary Public of New Jersey

My Comm. Exp. March 12, 2003

Date:

2/12/02

Michael S. HSIAO

Michael S. Hsiao

NOTARY

State of ~~New Jersey~~ Virginia  
County of Montgomery ss:

On this 12 day of February, before me personally came Michael S. Hsiao, to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Notary

Kimberly K. Medley

5/31

PATENT

REEL: 012685 FRAME: 0362

Date: Feb 07, 02

S.T. Chakradhar  
Srimat T. CHAKRADHAR

NOTARY

State of New Jersey)  
County of Morris) ss:

On this 7 day of February 2002 before me personally came Srimat T. Chakradhar, to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Ann K. Meighan  
Notary  
ANN K. MEIGHAN  
Notary Public of New Jersey  
My Comm. Exp. March 12, 2003