

**Recordation Services**  
Attorney Docket No. **NEC IPS-4996**

Form PTO-1505

## RECORDATION FORM COVER SHEET PATENTS ONLY

U.S. Department of Commerce  
U.S. Patent and Trademark Office

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

1. Name of Conveying Party(ies):  
**NEC Corporation**

2. Name and address of receiving party(ies)  
Name: **NEC Electronics Corporation**  
  
Address: **1753 Shimonumabe  
Nakahara-ku, Kawasaki  
Kanagawa 211-8668, Japan**

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

3. Nature of Conveyance:  
☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other: \_\_\_\_\_  
Execution Date: **November 1, 2002**

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

4. Application number(s) or patent number(s): \_\_\_\_\_

This document is being filed with a new application, the execution date of the application is:

A. Patent Application No(s).  
09/523,665; 09/996,703; 09/739,891;  
08/827,414; 09/782,293; 09/741,375;  
09/848,263; 09/712,220

B. Patent No(s).

Additional numbers attached? ☐ Yes ☒ No

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

**Customer No.: 000466**

**YOUNG & THOMPSON**

**Second Floor**

**745 South 23<sup>rd</sup> Street**

**Arlington, VA 22202**

**Phone: 703-521-2297 / Fax: 703-686-0673**

6. Total number of applications and patents involved: **8**

7. Total fee (37 CFR 3.41)..... **\$320.00**

☐ Enclosed

☒ Authorized to be charged to deposit account

8. Deposit Account No. **25-0120**

(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.*

**Benoit Castel**

Name of Person Signing

  
Signature

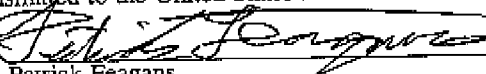
**May 2, 2003**

Date

Total number of pages including cover sheet, attachments, and documents: **10**

### Certificate of Transmission

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office on May 2, 2003.

  
Patrick Feagans

**700029478**

**PATENT  
REEL: 013623 FRAME: 0036**

## *Assignment*

Whereas, NEC Corporation, a Japanese corporation, having a place of business at 7-1, Shiba 5-chome, Minato-ku, Tokyo, Japan, hereinafter called Assignor, is the owner and assignee of record of the pending applications listed on the attached Schedule A; and

Whereas, NEC Electronics Corporation, a Japanese corporation, having a place of business at 1753 Shimonumabe, Nakahara-ku, Kawasaki, Kanagawa 211-8668, Japan, hereinafter called Assignee, desires to acquire the Assignor's entire right, title, and interest in said applications listed on the attached Schedule A;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged;

Assignor hereby sells, assigns and transfers to Assignee, its successors and assigns, its entire right, title and interest including rights to recover for past infringement in the applications listed on the attached Schedule A;

IN WITNESS WHEREOF, Assignor has executed this Assignment by proper persons duly authorized.

NEC Corporation

Date: November 1, 2002



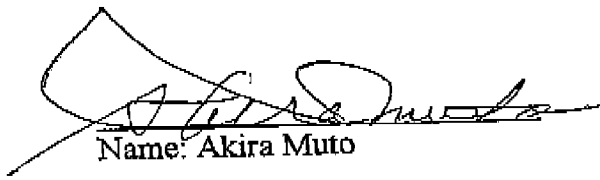
Name: Masao Maruyama

Title: Chief Manager, Planning Division,  
Intellectual Asset Operations Unit

Witness:

November 1, 2002

Date:

  
Name: Akira Muto

## ***Schedule A***

### **Patent Applications**

| <b><u>Serial No.</u></b> | <b><u>File Date</u><br/>(Year/Month/Day)</b> |
|--------------------------|----------------------------------------------|
| 09/096497                | 1998/6/12                                    |
| 09/138573                | 1998/8/24                                    |
| 09/240988                | 1999/2/1                                     |
| 10/001798                | 2001/12/5                                    |
| 09/577964                | 2000/5/25                                    |
| 09/662798                | 2000/9/15                                    |
| 09/686808                | 2000/10/12                                   |
| 10/053650                | 2002/1/24                                    |
| 10/056035                | 2002/1/28                                    |
| 10/096839                | 2002/3/14                                    |
| 09/440939                | 1999/11/16                                   |
| 09/503177                | 2000/2/14                                    |
| 09/472037                | 1999/12/27                                   |
| 09/592865                | 2000/6/13                                    |
| 09/659779                | 2000/9/11                                    |
| 09/597900                | 2000/6/19                                    |
| 09/609257                | 2000/6/30                                    |
| 09/644696                | 2000/8/24                                    |
| 09/764295                | 2001/1/19                                    |
| 09/788569                | 2001/2/21                                    |
| 09/813894                | 2001/3/22                                    |
| 09/768594                | 2001/1/25                                    |
| 09/770459                | 2001/1/29                                    |
| 09/790491                | 2001/2/23                                    |
| 09/803923                | 2001/3/13                                    |
| 09/839119                | 2001/4/23                                    |

|           |            |
|-----------|------------|
| 09/864445 | 2001/5/25  |
| 10/014379 | 2001/12/14 |
| 10/055976 | 2002/1/28  |
| 10/014575 | 2001/12/14 |
| 10/001796 | 2001/12/5  |
| 09/902608 | 2001/7/12  |
| 09/475067 | 1999/12/30 |
| 09/605737 | 2000/6/29  |
| 09/621552 | 2000/7/21  |
| 09/722281 | 2000/11/28 |
| 09/879087 | 2001/6/13  |
| 09/691100 | 2000/10/19 |
| 09/626149 | 2000/7/26  |
| 09/641954 | 2000/8/21  |
| 09/855723 | 2001/5/16  |
| 09/137239 | 1998/8/20  |
| 09/921789 | 2001/8/6   |
| 09/640178 | 2000/8/17  |
| 09/876987 | 2001/6/11  |
| 09/906064 | 2001/7/17  |
| 09/904460 | 2001/7/16  |
| 09/303556 | 1999/5/3   |
| 09/820783 | 2001/3/30  |
| 09/649046 | 2002/6/26  |
| 09/956142 | 2001/9/20  |
| 09/782311 | 2001/2/14  |
| 09/963533 | 2001/9/27  |
| 09/983712 | 2001/10/25 |
| 10/105375 | 2002/3/26  |
| 10/061305 | 2002/2/4   |
| 10/046155 | 2002/1/16  |
| 09/985808 | 2001/11/6  |
| 10/156812 | 2002/5/30  |
| 10/166303 | 2002/6/11  |

|                      |            |
|----------------------|------------|
| 09/527212            | 2000/3/16  |
| 08/827414            | 1997/3/27  |
| 08/740394            | 1996/10/29 |
| 09/199057            | 2001/7/3   |
| 09/085025            | 1998/5/28  |
| 09/208310            | 2000/6/2   |
| 09/314158            | 1999/8/19  |
| 09/974808            | 2001/10/12 |
| 09/686970            | 2000/10/12 |
| 09/176913            | 1998/10/22 |
| 09/285793            | 1999/4/5   |
| 09/241609            | 1999/2/2   |
| 09/924472            | 2001/8/9   |
| 09/703866            | 2000/11/2  |
| 09/921882            | 2001/8/6   |
| 09/771586            | 2001/1/30  |
| 09/290259            | 1999/4/13  |
| 09/287583            | 1999/4/6   |
| 09/794910            | 2001/2/28  |
| <del>10/056015</del> | 2002/1/28  |
| 09/361984            | 1999/7/28  |
| 09/453459            | 1999/12/2  |
| 09/842141            | 2001/4/26  |
| 09/815060            | 2001/3/23  |
| 09/953267            | 2001/9/17  |
| 09/444371            | 1999/11/22 |
| 09/767945            | 2001/1/24  |
| 09/433969            | 1999/11/4  |
| 09/431172            | 1999/11/1  |
| 09/466186            | 2002/1/14  |
| 09/456880            | 1999/12/8  |
| 09/453061            | 1999/12/2  |
| 09/764880            | 2001/1/23  |
| 09/626117            | 2000/7/26  |

|           |            |
|-----------|------------|
| 09/615328 | 2000/7/12  |
| 09/498468 | 2000/4/2   |
| 10/040364 | 2002/1/9   |
| 09/599503 | 2000/6/23  |
| 09/756744 | 2001/1/10  |
| 09/534296 | 2000/3/23  |
| 09/560337 | 2000/4/28  |
| 09/697508 | 2000/10/27 |
| 09/562899 | 2000/5/2   |
| 09/605740 | 2000/6/29  |
| 09/546528 | 2000/4/10  |
| 09/761693 | 2001/1/18  |
| 10/112715 | 2002/4/2   |
| 09/573537 | 2000/5/19  |
| 09/603927 | 2000/6/27  |
| 09/860632 | 2001/5/21  |
| 09/692471 | 2000/10/20 |
| 09/616947 | 2000/7/14  |
| 09/661323 | 2000/9/13  |
| 10/212739 | 2002/8/7   |
| 09/689881 | 2000/10/13 |
| 10/132213 | 2002/4/26  |
| 09/715092 | 2000/11/20 |
| 09/670540 | 2000/9/27  |
| 09/678608 | 2000/10/4  |
| 09/678101 | 2000/10/4  |
| 09/666091 | 2000/9/21  |
| 09/745725 | 2000/12/26 |
| 09/705880 | 2000/11/6  |
| 09/716464 | 2000/11/21 |
| 09/712220 | 2000/11/15 |
| 09/828943 | 2001/4/10  |

|           |            |
|-----------|------------|
| 09/715000 | 2000/11/20 |
| 10/212234 | 2002/8/6   |
| 09/739891 | 2000/12/20 |
| 09/741375 | 2000/12/21 |
| 09/852735 | 2001/5/11  |
| 09/899274 | 2001/7/6   |
| 09/883370 | 2001/6/19  |
| 09/832842 | 2001/4/12  |
| 09/782293 | 2001/2/14  |
| 10/068893 | 2002/2/11  |
| 09/797589 | 2001/3/5   |
| 09/848263 | 2001/5/4   |
| 09/838186 | 2001/4/20  |
| 09/803904 | 2001/3/13  |
| 09/947343 | 2001/9/7   |
| 09/826006 | 2001/4/5   |
| 09/825331 | 2001/4/4   |
| 09/822237 | 2001/4/2   |
| 09/883373 | 2001/6/19  |
| 09/871652 | 2001/6/4   |
| 09/956143 | 2001/9/20  |
| 09/991691 | 2001/11/26 |
| 10/061283 | 2002/2/4   |
| 10/026683 | 2001/12/27 |
| 09/987928 | 2001/11/16 |
| 10/125370 | 2002/4/19  |
| 10/004859 | 2001/12/7  |
| 09/992027 | 2001/11/26 |
| 10/006367 | 2001/12/10 |
| 10/025469 | 2001/12/26 |
| 09/996703 | 2001/11/30 |
| 10/196430 | 2002/7/17  |
| 10/112716 | 2002/4/2   |
| 10/170650 | 2002/6/14  |

|           |            |
|-----------|------------|
| 10/167442 | 2002/6/13  |
| 09/653361 | 2000/8/31  |
| 10/090626 | 2002/3/6   |
| 08/758821 | 1996/12/4  |
| 09/263828 | 1999/3/8   |
| 09/908940 | 2001/7/20  |
| -----     |            |
| 09/739788 | 2000/12/20 |
| 09/748208 | 2000/12/27 |
| 10/058771 | 2002/1/30  |
| 10/206058 | 2002/7/29  |
| 09/383207 | 1999/8/26  |
| 09/671368 | 2000/9/28  |
| 09/722014 | 2000/11/27 |
| 09/729198 | 2000/12/5  |
| 09/774041 | 2001/1/31  |
| 09/797990 | 2001/3/5   |
| 10/197814 | 2002/7/19  |
| 09/716940 | 2000/11/22 |
| 09/523665 | 2000/3/10  |
| 09/811397 | 2001/3/20  |
| 09/939672 | 2001/8/28  |
| 09/759466 | 2001/1/16  |
| 09/977386 | 2001/10/16 |
| 09/866617 | 2001/5/30  |
| 09/968020 | 2001/10/2  |
| 10/202872 | 2002/7/26  |
| 10/195064 | 2002/7/15  |
| 09/841115 | 2001/4/25  |
| 10/134482 | 2002/4/30  |
| 09/252664 | 1999/2/19  |
| 09/330080 | 1999/6/11  |
| 09/968003 | 2001/10/2  |

|           |            |
|-----------|------------|
| 09/953948 | 2001/9/18  |
| 10/083611 | 2002/2/27  |
| 09/803094 | 2001/3/12  |
| 09/640180 | 2000/8/17  |
| 09/865543 | 2001/5/29  |
| 10/197670 | 2002/7/18  |
| 09/303573 | 1999/5/3   |
| 09/389496 | 1999/9/3   |
| 09/817061 | 2001/3/27  |
| 09/768589 | 2001/1/25  |
| 09/939675 | 2001/8/28  |
| 09/917758 | 2001/7/31  |
| 10/183668 | 2002/6/28  |
| 10/167510 | 2002/6/13  |
| 10/206055 | 2002/7/29  |
| 10/196240 | 2002/7/17  |
| 09/725120 | 2000/11/29 |
| 09/577592 | 2000/5/25  |
| 09/588357 | 2000/6/7   |
| 09/644695 | 2000/8/24  |
| 09/642806 | 2000/8/22  |
| 09/664061 | 2000/9/18  |
| 09/678609 | 2000/10/4  |
| 09/770458 | 2001/1/29  |
| 10/131486 | 2002/4/25  |
| 09/779627 | 2001/2/9   |
| 09/841096 | 2001/4/25  |
| 09/878197 | 2001/6/12  |
| 09/932875 | 2001/8/21  |
| 09/920754 | 2001/8/3   |
| 09/938662 | 2001/8/27  |
| 10/073168 | 2002/2/13  |
| 10/062663 | 2002/2/5   |

|           |            |
|-----------|------------|
| 10/147903 | 2002/5/20  |
| 10/106495 | 2002/3/27  |
| 09/640179 | 2000/8/17  |
| 10/102686 | 2002/3/22  |
| 09/618099 | 2000/7/17  |
| 09/739890 | 2000/12/20 |
| 09/912595 | 2001/7/26  |
| 10/086870 | 2002/3/4   |
| 10/106491 | 2002/3/27  |
| 10/156833 | 2002/5/30  |