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Docket No.: 00162-1 DIV

U.S. DEPARTMENT OF COMMERCE
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To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
NEC Corporation

6-25-84

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

Name: **NEC Electronics Corporation**

Address: **1753 Shimonumabe, Nakahara-ku**

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

3. Nature of conveyance:

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

City: **Kawasaki** State/Prov.: **Kanagawa**

Country: **JAPAN** ZIP: **211-8668**

Execution Date: **June 22, 2004**

Additional name(s) & address(es) attached? ☐ 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)

10/314,399

December 9, 2002

Additional numbers attached? ☐ Yes ☒ No

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

Name: **Sean M. McGinn, Esq.**

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Country: **USA** ZIP: **22182-3817**

6. Total number of applications and patents involved: **1**

7. Total fee (37 CFR 3.41):.....\$ **40.00**

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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.

Sean M. McGinn

Name of Person Signing

Signature

June 25, 2004

Date

3

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06/29/2004 NSETACHE 00000204 10314399

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PATENT
REEL: 015506 FRAME: 0638

US pending application(s)

PATENT APPLICATION ASSIGNMENT

WHEREAS, NEC Corporation, a Japanese corporation, having its principal place of business at 7-1, Shiba 5-chome, Minato-ku, Tokyo 108-8001, Japan is the owner and assignee of record of the patent application(s) listed below;

WHEREAS, NEC Electronics Corporation, a Japanese corporation, having its principal place of business at 1753 Shimonumabe, Nakahara-ku, Kawasaki, Kanagawa 211-8668, Japan is desirous of obtaining the entire right, title, and interest in the patent application(s) listed below and inventions disclosed therein, and to any United States patents to be obtained therefor;

NOW, THEREFORE, for valuable consideration, receipt of which is hereby acknowledged, NEC Corporation, hereby sells, assigns and transfers to NEC Electronics Corporation, its successors and assigns, the Assignor's entire right, title and interest including rights to recover for past infringement in the below listed patent application(s), the inventions disclosed therein, and to any and all patents for the United States of America, which may be granted thereon, and requests the Director- U.S. Patent and Trademark Office to issue any Letters Patents granted upon the inventions set forth in said Application(s) to the Assignee herein, its successors and assigns; and Assignor will execute without further consideration all papers deemed necessary by the Assignee in connection with said United States patent application(s) when called upon to do so by the Assignee.

Filing Date(Year/Month/Day)

2002/12/9

Serial No.

10/314,399

Note

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

NEC Corporation

Attest:



Sachio Matsubara

Senior Manager, Intellectual Asset Planning Division

Intellectual Asset Operations Unit

Date: June 22, 2004

RECORDED: 06/25/2004

PATENT
REEL: 015506 FRAME: 0639

2004年 6月25日 (金) 9:46 9:45 9:44 9:43 9:42 9:41 9:40 9:39 9:38 9:37 9:36 9:35 9:34 9:33 9:32 9:31 9:30 9:29 9:28 9:27 9:26 9:25 9:24 9:23 9:22 9:21 9:20 9:19 9:18 9:17 9:16 9:15 9:14 9:13 9:12 9:11 9:10 9:09 9:08 9:07 9:06 9:05 9:04 9:03 9:02 9:01 9:00 8:59 8:58 8:57 8:56 8:55 8:54 8:53 8:52 8:51 8:50 8:49 8:48 8:47 8:46 8:45 8:44 8:43 8:42 8:41 8:40 8:39 8:38 8:37 8:36 8:35 8:34 8:33 8:32 8:31 8:30 8:29 8:28 8:27 8:26 8:25 8:24 8:23 8:22 8:21 8:20 8:19 8:18 8:17 8:16 8:15 8:14 8:13 8:12 8:11 8:10 8:09 8:08 8:07 8:06 8:05 8:04 8:03 8:02 8:01 8:00 7:59 7:58 7:57 7:56 7:55 7:54 7:53 7:52 7:51 7:50 7:49 7:48 7:47 7:46 7:45 7:44 7:43 7:42 7:41 7:40 7:39 7:38 7:37 7:36 7:35 7:34 7:33 7:32 7:31 7:30 7:29 7:28 7:27 7:26 7:25 7:24 7:23 7:22 7:21 7:20 7:19 7:18 7:17 7:16 7:15 7:14 7:13 7:12 7:11 7:10 7:09 7:08 7:07 7:06 7:05 7:04 7:03 7:02 7:01 7:00 6:59 6:58 6:57 6:56 6:55 6:54 6:53 6:52 6:51 6:50 6:49 6:48 6:47 6:46 6:45 6:44 6:43 6:42 6:41 6:40 6:39 6:38 6:37 6:36 6:35 6:34 6:33 6:32 6:31 6:30 6:29 6:28 6:27 6:26 6:25 6:24 6:23 6:22 6:21 6:20 6:19 6:18 6:17 6:16 6:15 6:14 6:13 6:12 6:11 6:10 6:09 6:08 6:07 6:06 6:05 6:04 6:03 6:02 6:01 6:00 5:59 5:58 5:57 5:56 5:55 5:54 5:53 5:52 5:51 5:50 5:49 5:48 5:47 5:46 5:45 5:44 5:43 5:42 5:41 5:40 5:39 5:38 5:37 5:36 5:35 5:34 5:33 5:32 5:31 5:30 5:29 5:28 5:27 5:26 5:25 5:24 5:23 5:22 5:21 5:20 5:19 5:18 5:17 5:16 5:15 5:14 5:13 5:12 5:11 5:10 5:09 5:08 5:07 5:06 5:05 5:04 5:03 5:02 5:01 5:00 4:59 4:58 4:57 4:56 4:55 4:54 4:53 4:52 4:51 4:50 4:49 4:48 4:47 4:46 4:45 4:44 4:43 4:42 4:41 4:40 4:39 4:38 4:37 4:36 4:35 4:34 4:33 4:32 4:31 4:30 4:29 4:28 4:27 4:26 4:25 4:24 4:23 4:22 4:21 4:20 4:19 4:18 4:17 4:16 4:15 4:14 4:13 4:12 4:11 4:10 4:09 4:08 4:07 4:06 4:05 4:04 4:03 4:02 4:01 4:00 3:59 3:58 3:57 3:56 3:55 3:54 3:53 3:52 3:51 3:50 3:49 3:48 3:47 3:46 3:45 3:44 3:43 3:42 3:41 3:40 3:39 3:38 3:37 3:36 3:35 3:34 3:33 3:32 3:31 3:30 3:29 3:28 3:27 3:26 3:25 3:24 3:23 3:22 3:21 3:20 3:19 3:18 3:17 3:16 3:15 3:14 3:13 3:12 3:11 3:10 3:09 3:08 3:07 3:06 3:05 3:04 3:03 3:02 3:01 3:00 2:59 2:58 2:57 2:56 2:55 2:54 2:53 2:52 2:51 2:50 2:49 2:48 2:47 2:46 2:45 2:44 2:43 2:42 2:41 2:40 2:39 2:38 2:37 2:36 2:35 2:34 2:33 2:32 2:31 2:30 2:29 2:28 2:27 2:26 2:25 2:24 2:23 2:22 2:21 2:20 2:19 2:18 2:17 2:16 2:15 2:14 2:13 2:12 2:11 2:10 2:09 2:08 2:07 2:06 2:05 2:04 2:03 2:02 2:01 2:00 1:59 1:58 1:57 1:56 1:55 1:54 1:53 1:52 1:51 1:50 1:49 1:48 1:47 1:46 1:45 1:44 1:43 1:42 1:41 1:40 1:39 1:38 1:37 1:36 1:35 1:34 1:33 1:32 1:31 1:30 1:29 1:28 1:27 1:26 1:25 1:24 1:23 1:22 1:21 1:20 1:19 1:18 1:17 1:16 1:15 1:14 1:13 1:12 1:11 1:10 1:09 1:08 1:07 1:06 1:05 1:04 1:03 1:02 1:01 1:00 0:59 0:58 0:57 0:56 0:55 0:54 0:53 0:52 0:51 0:50 0:49 0:48 0:47 0:46 0:45 0:44 0:43 0:42 0:41 0:40 0:39 0:38 0:37 0:36 0:35 0:34 0:33 0:32 0:31 0:30 0:29 0:28 0:27 0:26 0:25 0:24 0:23 0:22 0:21 0:20 0:19 0:18 0:17 0:16 0:15 0:14 0:13 0:12 0:11 0:10 0:09 0:08 0:07 0:06 0:05 0:04 0:03 0:02 0:01 0:00