| FORM PTO-1595 (modified) | | 03-17-2 | ንሰበበ | U.S. | DEPARTMENT OF COMMERCE |
|--|---|--|--|----------------------|--|
| (Rev 6-93) | RE(| 03-17-2 | 2000 | SHEET | Patent and Trademark Office |
| | | 1881 1884 1884 1885 1885 1885 1886 1881 1886 1886 1886 1886 | | | |
| To the Commissioner of P | atents an | 101291 | 459 | red original docum | nents or copies thereof. |
| 1. Name of conveying part | y(ies): | | 2. Name and a | address of receiving | g party(ies): |
| Shigeki YAMANO | | | NEC CORPO 7-1, Shib Tokyo, JA | a 5-chome, Minato | 1c639 U.S. PTC 09/520238 |
| MRD 3-7-2000 | | | | | · - |
| Additional conveying party(| ies) NO | | | | |
| 3. Nature of conveyance: | | | | | |
| | GNMENT | | | | |
| Execution Date: | | | A 1 12.2 | () 0 11 () | |
| 4. Application number(s) or | y 28, 2000 | 07/0). | Additional nam | ne(s) & address(es) | attached? NO |
| 4. Application number(s) of | patem numb | G(5). | | | |
| If this is being filed toge | ther with a ne | w application, the | e execution date | of the application i | s: February 28, 2000 |
| A. Patent Applicat | ion Number(s |): | B. Pate | ent Number(s): | |
| 5/2000 DBUTLER 00000043 095202 5. Name and address of pa | rty to whom | | | or of applications | |
| ^{୮C:5} ଧoncerning document sh | ould be mailed | d: | O. Total numb | er of applications/p | patents involved: 1 |
| David A. Blumenth | al | | 7. Total fee (3 | 37 C.F.R. § 3.41): | \$40.00 |
| Washington Harbou | ır | | | | |
| 3000 K Street, N.W., Suite 500 Washington, D.C. 20007-5109 | | 00 | Charge to deposit account | | |
| | | 8. Deposit account number: 19-0741 | | | |
| | | DO NOT USE | THIS SPACE | | |
| is a true copy of the original fees which may be required haren (· Uu | nowledge and I document. In this matter Hersee | The Commissioner | r is hereby author atified denosit ac | rized to charge any | and any attached copy y additional recordation March 7, 2000 |
| David A. Blument | | <u> </u> | | 11200 | 19101011 7, 2000 |
| Name of person sig | ning | | Signature | 41,548 | Date |
| | Total | number of pages | including cover | sheet, attachments | s, and document: 2 |
| | | | | | |

03/ 02

ASSIGNMENT

U.S. Rights--Sole 71285/99 NE- 996-US (PHID) 系涛特許事務 所

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

name and address of assignee

NEC Corporation

7-1, Shiba 5-chome, Minato-ku,

Tokyo, Japan (hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and

possessions in and to this invention relating to

title of invention

QOS-BASED VIRTUAL PRIVATE NETWORK USING ATM-BASED INTERNET VIRTUAL CONNECTIONS

as set forth in this United States Patent Application

check one

| XI executed concurrently herewith | |
|-----------------------------------|-------|
| executed on | |
| □ Serial No. | Filed |

in and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made:

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention;

Each of the undersigned hereby grants the firm of FOLEY & LARDNER the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

| NAMES AND SIGNATURES OF INVENTORS | | | | | | |
|-----------------------------------|-------------------------------|-----------------|--|--|--|--|
| Name: Shigeki YAMANO | Signature: Shizeki Yamano (3) | Date:02/28/2000 | | | | |
| Name: | Signature: | Date: | | | | |
| Name: | Signature: | Date: | | | | |
| Name: | Signature: | Date: | | | | |
| NAMES AND SIGNATURES OF WITNESSES | | | | | | |
| Name: | Signature: Bunitake Watanobe | Date:02/28/2000 | | | | |
| Name: | Signature: | Date:02/28/2000 | | | | |

Note: Prima facie evidence of execution may optionally be obtained by execution of this document before a U.S. Consul or before a local officer authorized to administer oaths whose authority is proved by a certificate from a U.S. Consul.

RECORDED: 03/07/2000

PATENT REEL: 010607 FRAME: 0325