

VENABLE, BAETJER, HOWARD & CIVILETTI, LLP  
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1c759 U.S. PTO  
09/567586  
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VENABLE  
ATTORNEYS AT LAW

TO THE ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

Attorney Docket: 32307-160513

REQUEST FOR RECORDING AND COVER SHEET UNDER 37 C.F.R. 3.28 AND 3.31

Please record the attached original document.

1. Name of party conveying the interest:

Mitsuhiro MAKIHARA; Fusao SHIMOKAWA; and Makoto SATO

2. Name and address of party receiving the interest:

Nippon Telegraph and Telephone Corporation  
3-1 Ohtemachi 2-chome, Chiyoda-ku  
Tokyo 100-8116, JAPAN

3. Description of the interest conveyed or transaction to be recorded:

☒ Assignment ☐ Other:

4. Application Number:

09/567 586

☒ Document filed together with a patent application executed on  
April 26, 2000.

5. Address correspondence concerning this request to: VENABLE  
P.O. Box 34385, Washington, D.C. 20043-9998.

6. Number of Applications, Patents or Registrations and total fee:

Patents: one patent right @ \$40 Total: \$40.00

7. Date of execution of document: April 26, 2000

8. If document is an assignment of a trademark right to an assignee who  
is not domiciled in the United States, such assignee has designated a  
domestic representative

☐ per attached designation ☐ other:

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

10. Date: May 10, 2000

*Robert J. Frank*  
Name: Robert J. Frank

Registration Number: 19, 2

RJF/njp

05/17/2000 JWSHINS 0000069 09/567586  
02 FC:581

40.00 00

PATENT  
REEL: 010796 FRAME: 0280

**ASSIGNMENT OF APPLICATION  
FOR UNITED STATES LETTERS PATENT**

WHEREAS Mitsuhiro MAKIHARA of Tokyo, Japan, Fusao SHIMOKAWA of Tokyo, Japan  
and Makoto SATO of Ibaraki, Japan

hereinafter (collectively) referred to as the assignor, has invented a certain  
improvement relating to OPTICAL SWITCH

for which said assignor has caused an application for United States Letters Patent  
to be prepared,

- [X] the inventor declaration for said application being executed concurrently  
with the execution of this instrument; said application to be filed in  
the United States Patent and Trademark Office;
- [ ] said application having been filed in the United States Patent and  
Trademark Office on \_\_\_\_\_, Application Number  
[if known] \_\_\_\_\_;
- [ ] said application having been filed under the Patent Cooperation Treaty on  
\_\_\_\_\_, Application No. \_\_\_\_\_, the United  
States of America being designated.

AND WHEREAS NIPPON TELEGRAPH AND TELEPHONE CORPORATION, 3-1 Otemachi  
2-chome, Chiyoda-ku, Tokyo 100-8116, Japan

referred to as the assignee, is desirous of acquiring the entire right, title and  
interest in and to said application, including any and all divisions and  
continuations thereof, and in and to said invention and any and all patents which  
may be granted therefor, including, any and all renewals, reissues and prolongations  
thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00),  
and other good and valuable consideration paid by said assignee to said assignor,  
the receipt of which is hereby acknowledged, said assignor hereby assigns, sells  
and transfers to said assignee, and said assignee's successors and assigns, the  
entire and exclusive right, title and interest in and to said application, including  
any and all divisions and continuations thereof, and in and to said invention and  
any and all patents which may be granted therefor, including any and all renewals,  
reissues and prolongations thereof; said assignee, and said assignee's successors  
and assigns, to have, hold exercise and enjoy the said application, including any  
all divisions and continuations thereof, and the said invention and any all patents  
which may be granted therefor, including any and all renewals, reissues and  
prolongations thereof, with all the rights, powers, privileges and advantages in  
anywise arising from or appertaining thereto, for and during the term or terms  
of any and all such patents when granted, including any and all renewals, reissues  
and prolongations thereof, for the use and benefit of said assignee, and said  
assignee's successors and assigns, in as ample and beneficial a manner as the said  
assignor might or could have held and enjoyed the same, if this assignment had  
not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee,  
or said assignee's successors or assigns, any and all acts relating to the obtaining  
or to the asserting of said patents, including any and all renewals, reissues and  
prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and  
Trademarks to issue Letters Patent on said application, and on any and all divisions  
and continuations thereof, to said assignee, and said assignee's successors and  
assigns, in accordance herewith.

EXECUTED, this 26th day of April, 2000

WITNESSES:

Signature: Hisashi Okamoto  
 Name: Hisashi OKAMOTO  
 Address: c/o NIPPON TELEGRAPH AND  
TELEPHONE CORPORATION,  
20-2 Nishi-Shinjuku 3-chome,  
Shinjuku-ku, Tokyo 163-1419, Japan

ASSIGNOR:

Signature: Mitsuhiro MakiHara  
 Name: Mitsuhiro MAKIHARA

EXECUTED, this 26th day of April, 2000

WITNESSES:

Signature: Hisashi Okamoto  
 Name: Hisashi OKAMOTO  
 Address: c/o NIPPON TELEGRAPH AND  
TELEPHONE CORPORATION,  
20-2 Nishi-Shinjuku 3-chome,  
Shinjuku-ku, Tokyo 163-1419, Japan

ASSIGNOR:

Signature: Fusao Shimokawa  
 Name: Fusao SHIMOKAWA

EXECUTED, this 26th day of April, 2000

WITNESSES:

Signature: Hisashi Okamoto  
 Name: Hisashi OKAMOTO  
 Address: c/o NIPPON TELEGRAPH AND  
TELEPHONE CORPORATION,  
20-2 Nishi-Shinjuku 3-chome,  
Shinjuku-ku, Tokyo 163-1419, Japan

ASSIGNOR:

Signature: Makoto Sato  
 Name: Makoto SATO