

1201 New York Avenue, N.W. Suite 1000
Washington, DC
(202) 962-4800
www.venable.com

OFFICES IN

WASHINGTON, D.C.
MARYLAND
VIRGINIA



05-17-2002



102093739



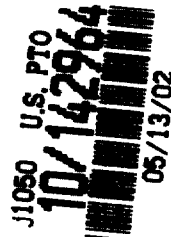
26694

PATENT TRADEMARK OFFICE

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

Attorney Docket: 32307-180984

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: 5-13-02
Masahiro SASAURA; Kazuo FUJIURA; Koji ENBUTSU; Tadayuki IMAI; Shogo YAGI; Takashi KURIHARA; Makoto ABE; Seiji TOYODA; and Eishi KUBOTA
2. Name and address of party receiving the interest:
NIPPON TELEGRAPH AND TELEPHONE CORPORATION
3-1, Otemachi, 2-chome, Chiyoda-ku, Tokyo 100-8116
JAPAN
3. Description of the interest conveyed or transaction to be recorded:
 Assignment Other:
4. Application Number:
 Document filed together with a patent application executed on 10,142,964
May 8, 2002
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 @ \$40 Total: \$40.00
7. Date of execution of document: May 8, 2002
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 13, 2002

Name: Jeffrey W. Gluck
Registration Number: 44,457

JWG/njp

40.00 DP
05/15/2002 MBIZINES 00900020 10142964
04 FEB 581

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

WHEREAS 1) Masahiro SASAURA, 2) Kazuo FUJIURA, 3) Koji ENBUTSU, 4) Tadayuki IMAI, 5) Shogo YAGI, 6) Takashi KURIHARA, 7) Makoto ABE, 8) Seiji TOYODA and 9) Eishi KUBOTA, all of Ibaraki, Japan

hereinafter (collectively) referred to as the assignor, has invented a certain improvement relating to OPTICAL WAVEGUIDE AND METHOD OF MANUFACTURE

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

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 continuous 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 and 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 8th day of May, 2002

WITNESSES:

Signature: Takumi Nittono
 Name: Takumi NITTONO
 Address: c/o NTT Intellectual
Property Center, 9-11,
Midori-cho 3-chome, Musashino-shi,
Tokyo 180-8585, Japan

ASSIGNOR:

Signature: M. Sasaura
 Name: Masahiro SASAURA

EXECUTED, this 8th day of May, 2002

WITNESSES:

Signature: Takumi Nittono
 Name: Takumi NITTONO
 Address: c/o NTT Intellectual
Property Center, 9-11,
Midori-cho 3-chome, Musashino-shi,
Tokyo 180-8585, Japan

ASSIGNOR:

Signature: Kazuo Fujiura
 Name: Kazuo FUJIURA

EXECUTED, this 8th day of May, 2002

WITNESSES:

Signature: Takumi Nittono
 Name: Takumi NITTONO
 Address: c/o NTT Intellectual
Property Center, 9-11,
Midori-cho 3-chome, Musashino-shi,
Tokyo 180-8585, Japan

ASSIGNOR:

Signature: Koji Enbutsu
 Name: Koji ENBUTSU

EXECUTED, this 8th day of May, 2002

WITNESSES:

Signature: Takumi Nittono
 Name: Takumi NITTONO
 Address: c/o NTT Intellectual
Property Center, 9-11,
Midori-cho 3-chome, Musashino-shi,
Tokyo 180-8585, Japan

ASSIGNOR:

Signature: Tadayuki Imai
 Name: Tadayuki IMAI

EXECUTED, this 8th day of May, 2002

WITNESSES:

Signature: Takumi Nittono
 Name: Takumi NITTONO
 Address: c/o NTT Intellectual
Property Center, 9-11,
Midori-cho 3-chome, Musashino-shi,
Tokyo 180-8585, Japan

ASSIGNOR:

Signature: Shogo Yagi
 Name: Shogo YAGI

EXECUTED, this 8th day of May, 2002

WITNESSES:

Signature: Takumi Nittono
 Name: Takumi NITTONO
 Address: c/o NTT Intellectual
Property Center, 9-11,
Midori-cho 3-chome, Musashino-shi,
Tokyo 180-8585, Japan

ASSIGNOR:

Signature: Takashi Kurihara
 Name: Takashi KURIHARA

EXECUTED, this 8th day of May, 2002

WITNESSES:

Signature: Takumi Nittono
 Name: Takumi NITTONO
 Address: c/o NTT Intellectual
Property Center, 9-11,
Midori-cho 3-chome, Musashino-shi,
Tokyo 180-8585, Japan

ASSIGNOR:

Signature: Makoto Abe
 Name: Makoto ABE

EXECUTED, this 8th day of May, 2002

WITNESSES:

Signature: Takumi Nittono
 Name: Takumi NITTONO
 Address: c/o NTT Intellectual
Property Center, 9-11,
Midori-cho 3-chome, Musashino-shi,
Tokyo 180-8585, Japan

ASSIGNOR:

Signature: Seiji Toyoda
 Name: Seiji TOYODA

EXECUTED, this 8th day of May, 2002

WITNESSES:

Signature: Takumi Nittono
 Name: Takumi NITTONO
 Address: c/o NTT Intellectual
Property Center, 9-11,
Midori-cho 3-chome, Musashino-shi,
Tokyo 180-8585, Japan

ASSIGNOR:

Signature: Eishi Kubota
 Name: Eishi KUBOTA