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1. Name of conveying party(ies):

Masahiro Hiraka
Shigeo Furukawa

Additional name(s) of conveying party(ies) attached? YES NO

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

Name: Matsushita Electric Industrial Co., Ltd.

Internal Address:

Street Address: 1006, Oaza Kadoma,
Kadoma-shi

City: Osaka

State:

Zip: 571-8501

Country: Japan

Additional name(s) & address(es) attached? YES NO

3. Nature of Conveyance:

- Assignment Merger
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- Other

Execution Date: October 21, 2003

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

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application Number(s) 10/432,920

B. Patent Number(s) _____

Additional number(s) attached? YES NO

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

Name: Lawrence E. Ashery
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Street Address: Suite 301
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Suite 1100, P.O. Box 1596
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ZIP: 19899

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.

Lawrence E. Ashery 34,515

Name of Person Signing

Registration No.

Signature

Date

Lawrence E. Ashery
11/17/03

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No legalization required

ASSIGNMENT

WHEREAS, the ASSIGNOR, comprising the following named inventor(s)

Inventor(s):

**ASSIGNOR(s)/
INVENTOR(s)**

- 1. **Masahiro Hiraka**
- 2. **Shigeo Furukawa**

has made an invention entitled: **OPTICAL WAVEGUIDE AND METHOD FOR FABRICATING THE SAME**

and has executed an application for Letters Patent of the United States concurrently herewith;

WHEREAS, the ASSIGNEE

**ASSIGNEE
(Full Name
and address)**

Matsushita Electric Industrial Co., Ltd.
1006, Oaza Kadoma, Kadoma-shi, Osaka, 571-8501 Japan

is desirous of acquiring the entire interest in and to said invention and the Letters Patent to be obtained therefor,

NOW, THEREFORE, in consideration of the payment by ASSIGNEE to ASSIGNOR of a sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR, intending to be legally bound, hereby sells, assigns and transfers to ASSIGNEE, its successors and assigns the full and exclusive right, title and interest in and to said invention, all applications for Letters Patent for said invention, including all divisions and continuations thereof, all rights to claim priority based thereon, and all Letters Patent, including reissues, to be obtained therefor, including any and all foreign patent rights in this invention corresponding thereto.

ASSIGNOR hereby warrants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

ASSIGNOR agrees it shall be legally bound, upon request of the ASSIGNEE or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the ASSIGNOR has knowledge or possession, relating to the making and practice of said invention, to testify in

any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the ASSIGNEE, and to execute all instruments proper to carry out the intent of this instrument.

If the invention requires a biological deposit, ASSIGNOR also grants to ASSIGNEE such control over any deposit made by ASSIGNOR as may be necessary to the validity of the patent rights assigned herein.

ASSIGNOR authorizes ASSIGNOR's attorney to insert at the end hereof the serial number and filing date of the aforesaid application for United States Letters Patent and/or the Attorney docket or file designation for this application.

If the ASSIGNOR includes more than one individual, these obligations shall apply to these individuals both individually and collectively.

IN WITNESS WHEREOF, this Assignment is executed on the date indicated below.

	(Typed or Printed Name)	(Signature)	(Date)
SIGNATURE(S)	1. <u>Masahiro Hiraka</u>	<i>Masahiro Hiraka</i>	October 21, 2003
	2. <u>Shigeo Furukawa</u>	<i>Shigeo Furukawa</i>	October 21, 2003

Application for United States Letters Patent

Serial No. 10/432,920 Filed: May 28, 2003

Attorney Docket No. MAT-8407US