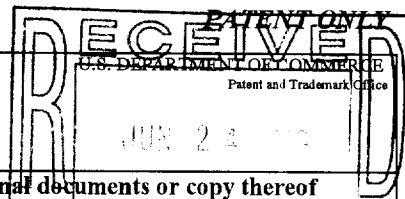


06-28-1999



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ER SHEET



To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof

1. Name of conveying party(ies):

Toshiharu KurosawaAdditional name(s) of conveying party(ies) attached? ☐ YES ☒ NO

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Correction of Assignment Recordation
 (previously recorded at Reel __, Frame __).
☐ Other

Execution Date: 6/14/99

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

Name: Matsushita Electric Industrial Co. Ltd.Internal Address: 1006 OazaStreet Address: Kadoma-shiCity: Osaka ZIP: 571 Country: JapanAdditional name(s) & address(es) attached? ☐ YES ☒ NO

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: 6/14/99A. Patent Application Number(s) 09/282,723

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: Kenneth N. NigonInternal Address: Ratner & PrestiaStreet Address: Suite 301, One Westlakes, Berwyn, P.O. Box 980City: Valley Forge State: PA ZIP: 19482-09806. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41): \$ 40.00☒ Enclosed☐ Authorized to be charged to deposit account8. Deposit account number: 18-0350

(Attach duplicate copy of this page if paying by deposit account.)

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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.*Kenneth N. Nigon

Name of Person Signing

31,549

Registration. No.

Signature

June 21, 1999

Date

Total number of pages including cover sheet, attachments, and document: 3

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ASSIGNMENT

WHEREAS, I/we, Toshiharu Kurosawa, care/of Matsushita Electric Industrial Co., Ltd. Document Technology Development Center of 3-1-1, Yagumonakamachi, Moriguchi; Osaka JAPAN, (hereinafter referred to as "**ASSIGNOR**") have made an invention entitled COMPACT OPTICAL WAVEGUIDE Serial No. 09/282,723 filed March 31, 1999 for which the **ASSIGNOR** executed an application for United States Letters Patent;

WHEREAS, the **ASSIGNEE**, Matsushita Electric Industrial Co., Ltd. of 1006 Oaza, Kadoma-shi, Osaka 571 Japan a corporation organized and existing under and by virtue of the laws of the Country of 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 One Dollar (\$1.00) and of other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned, intending to be legally bound, does hereby sell, assign and transfer to the **ASSIGNEE** the **ASSIGNOR'S** entire right, title and interest, for the United States of America, its territories and possessions, and for all foreign countries, in said invention, including said patent application, all divisions and continuations thereof, all rights to claim priority based thereon, all rights to file foreign applications on said invention, and all letters patent and reissues thereof, issuing for said invention in the United States of America and in any and all foreign countries.

It is agreed that **ASSIGNOR** shall be legally bound, upon request and at the expense of the **ASSIGNEE** or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the undersigned 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 and do such other acts as may be necessary and 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.

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.

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

ASSIGNOR #1:

Typed Name: Toshiharu Kurosawa

Toshiharu Kurosawa

Signature

Date: June 14, 1999