



07-14-2003



102494612

FORM PTO-1595 (Rev. 10/02)

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

Docket No.: 60188-370

PATENTS ONLY

To the Honorable Commissioner for Patents and Trademarks: Please record the attached original documents or copy thereto:

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| <p>1. Name of Conveying Party(ies): 7.9.03 Yoshifumi NAKAMURA, Ryuichi SAHARA, Nozomi SHIMOISHIZAKA, Kazuyuki KAINOU, Keiji MIKI, Kazumi WATASE, Yasutake YAGUCHI</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> | <p>2. Name and address of receiving party(ies): Name: MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. Address: 1006, Oaza Kadoma Kadoma-shi Osaka 571-8501, Japan</p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> |
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3. Nature of Conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other Request For Correction of Notice of Recordation of Assignment Document

Execution Date: November 15, 2002, respectively

4. Application number(s) or patent number(s):
 If the document is being filed together with a new application, the execution date of the application is:

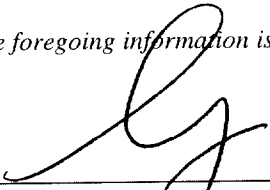
| | |
|---|-------------------------|
| <p>A. Patent Application No(s). 10/307,450</p> | <p>B. Patent No(s).</p> |
|---|-------------------------|

Additional numbers attached? Yes No

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| <p>5. Name and address of party to whom correspondence concerning document should be mailed: Name: MCDERMOTT, WILL & EMERY Internal Address: Street Address: 600 13th Street, N.W. City: Washington State: D. C. Zip: 20005-3096</p> | <p>6. Total number of applications and patents involved: 1</p> <p>7. Total fee (37 CFR 3.41) \$40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: 500417</p> |
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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.

Michael E. Fogarty, 36,139  July 9, 2003

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| Name and Registration No. of Person Signing | Signature | Date |
| Total number of pages including cover sheet: | | 1 |

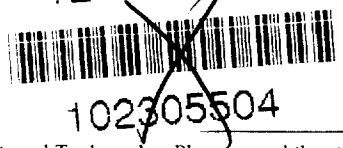
OMB No. 0651-0027 (exp. 6/30/2005)

07/14/2003 LABELLER 00000023 500417 10307450
01 FC:8021 40.00 BA

PATENT REEL: 014249 FRAME: 0183

12-06-2002

Form PTO-1595 (Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002)



U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

Attorney Docket No. 740819-924

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

1. Name of conveying parties: Yoshifumi NAKAMURA, Ryuichi SAHARA, Nozomi SHIMOISIZAKA, Kazuyuki KAINOU, Keiji MIKI, Kazumi WATASE, Yasutake YAGUCHI

2. Name and address of receiving party(ies) Name: Matsushita Electric Industrial Co., Ltd. Internal Address: Street Address: 1006, Oaza Kadoma, City: Kadoma-shi State: Osaka Zip: Country: Japan Postal Code: 571-8501

Additional name(s) of conveying party(ies) attached? [] Yes [X] No 3. Nature of conveyance: MRD 12/2/02 [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other Execution Date: November 15, 2002

Additional name(s) & address(es) attached? [] Yes [X] 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: November 15, 2002 A. Patent Application No.(s) 10307450 B. Patent No.(s) Additional numbers attached? [] Yes [] No

5. Name and address of party to whom correspondence concerning document should be mailed: Attorney Name: Donald R. Studebaker Firm Name: Nixon Peabody LLP Internal Address: Suite 800 Street Address: 8180 Greensboro Drive, City: McLean State: VA Zip: 22102

7. Total number of applications and patents involved: 1 8. Total fee (37 CFR 3.41).....\$40.00 [X] Enclosed [] Authorized to be charged to deposit account

6. Submission Type [X] New [] Resubmission (Non-Recordation) Document ID# [] Correction of PTO Error Reel # Frame # [] Corrective Document Reel # Frame #

9. Deposit account number: 19-2380 (Attach duplicate copy of this page if paying by deposit account)

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10. 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. Donald R. Studebaker Signature Date December 2, 2002 Name of Person Signing Total number of pages including cover sheet, attachments, and documents: 3

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

12/03/2002 HLE333 00000060 10307450 02 FC:8021 40.00 OP

NVA190389.1

PATENT REEL: 014249 FRAME: 0184

10/307450 12/02/02

Attorney Docket No. _____

ASSIGNMENT

WHEREAS, Yoshifumi NAKAMURA, Ryuichi SAHARA, Nozomi SHIMOISHIZAKA, Kazuyuki KAINOU, Keiji MIKI, Kazumi WATASE, Yasutake YAGUCHI

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in _____

_____ for which the undersigned has (have):

- (a) filed an application for Letters Patent of the United States of America on _____ having Serial No. _____; or
- (b) executed an application for Letters Patent of the United States of America on the date(s) indicated below; and

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

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents do sell, assign and transfer unto the Assignee the full and exclusive right to the said invention in the United States of America and its territories and for all foreign countries, dependencies and possessions and the entire right, title and interest in and to the application and any and all Letters Patent(s) which may be granted therefor in the United States of America and its territories, dependencies and possessions, and in and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or any continuation, division or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims under or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent(s) to the Assignee and to vest all rights therein hereby conveyed to the Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States of America resulting from said application or any division or divisions or continuing or reissue applications thereof to the Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

This Assignment has been executed by the undersigned on the date(s) indicated.

Date: Nov. 15, 2002, *Yoshifumi Nakamura*
Yoshifumi NAKAMURA

Date: Nov. 15, 2002, *Ryuichi Sahara*
Ryuichi SAHARA

Date: Nov. 15, 2002, *Nozomi Shimoishizaka*
Nozomi SHIMOISHIZAKA

Date: Nov. 15, 2002, *Kazuyuki Kainou*
Kazuyuki KAINOU

Date: Nov. 15, 2002, *Keiji Miki*
Keiji MIKI

Date: Nov. 15, 2002, *Kazumi Watase*
Kazumi WATASE

Date: Nov. 15, 2002, *Yasutake Yaguchi*
Yasutake YAGUCHI

Date: _____, _____