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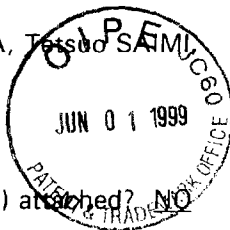
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To the Assistant Commissioner for Patents and Trademarks: Please record this as an original document(s) or copy(ies) thereof.

1. Name of conveying party(ies):

Kenji NAGASHIMA, Yasuhiro TANAKA, Tetsuo SAKAI
Yoichi SAITO and Yasuo NISHIHARA



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

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

Name: Matsushita Electric Industrial Co., Ltd.

Street Address: 1006, Oaza Kadoma, Kadoma-shi,
Osaka-fu, Japan

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

3. Nature of conveyance:

☒ Assignment
Security Agreement
Other

Merger
Change of Name

Execution Date: 4/15/99, 4/19/99, 4/21/99 & 4/27/99

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 No.(s)

09/266,836

B. Patent No.(s)

Additional numbers attached? NO

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

Name: WENDEROTH, LIND & PONACK, L.L.P.

Street Address: 2033 K Street, N.W., Suite 800

City: Washington, State: DC ZIP: 20006

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. § 3.41). \$40.00

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[99-0262*/CRW/177]
Authorized to be charged to deposit account

8. Deposit account number: _____

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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.

Charles R. Watts, Reg. No. 33,142

Name of Person Signing

Charles R. Watts
Signature

June 1, 1999
Date

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

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PATENT
REEL: 009988 FRAME: 0547

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned

Kenji NAGASHIMA, Yasuhiro TANAKA, Tetsuo SAIMI, Yoichi SAITO and

Yasuo NISHIHARA

Insert Name(s)
of Inventor(s)

the undersigned hereby sell(s) and assign(s) to

Matsushita Electric Industrial Co., Ltd.

of 1006, Oaza Kadoma, Kadoma-shi, Osaka-fu, Japan

(hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as

OPTICAL HEAD

Title of
Invention

for which an application for patent in the United States has been executed by the undersigned on

April 15, 1999, April 19, 1999, April 21, 1999 and April 27, 1999

Date of Signing
of Application

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 continuation, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

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

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) 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.

The undersigned hereby grant(s) the firm of WENDEROTH, LIND & PONACK, L.L.P., 2033 K Street, N.W., Suite 800, Washington, DC 20006, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date April 15, 1999, Name of Inventor Kenji Nagashima
Date April 27, 1999, Name of Inventor Yasuhiko Tanaka
Date April 15, 1999, Name of Inventor Tetsuifumi
Date April 19, 1999, Name of Inventor Goichi Saito
Date April 21, 1999, Name of Inventor Y. Nishikawa
Date _____, Name of Inventor _____

(This assignment should preferably be acknowledged before a United States Consul. If not, then the execution by the Inventor(s) should be witnessed by at least two witnesses who sign here.)

Witness Seizon Tsuji
Witness Junichi Murai

ACKNOWLEDGEMENT

_____ } ss

This _____ day of _____, 19_____, before me
personally came the above-named _____

to me personally known as the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth.

SEAL _____
Official Signature

Official Title

The above application may be more particularly identified as follows:

U.S. Application Serial No. 09/266836 Filing Date March 12, 1999
Applicant Reference Number 529342 Atty Docket No. 177/529342
Title of Invention OPTICAL HEAD
