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FORM PTO-1595 (Rev. 6-93) OMB No. 0651-0011 (Rev. 4/94)

COVER SHEET

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

MEED 12-30-98

12/30/98 09/223656

1. Name of conveying party(ies): Wataru Odajima Shin-ya Hasegawa

2. Name and address of receiving party(ies) Name: Fujitsu Limited Internal Address:

3. Nature of conveyance: [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other Execution Date: 12-15-98

Street Address: 1-1 Kamikodanaka 4-chome Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 Japan 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: 12-15-98 A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? [] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Patrick G. Burns Internal Address: GREER, BURNS & CRAIN, LTD. 233 S. Wacker Drive, Suite 8660 Chicago, IL 60606 Street Address: 233 S. Wacker Drive Suite 8660 City: Chicago State: IL ZIP: 60606

6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41).....\$ 40.00 [X] Enclosed [X] Authorized to be charged to deposit account Only in the event proper payment is not enclosed. 8. Deposit account number: 07-2069 (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. Patrick G. Burns Signature Date: 12-30-98 Total number of pages including cover sheet, attachments, and document: 3

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(Form PTO-1595-Recordation Form Cover Sheet [16-5]-page 1 of 3)

PATENT REEL: 9695 FRAME: 0736

0671.62620

UTILITY PATENT

ASSIGNMENT

FOR VALUE RECEIVED, the receipt of which is hereby acknowledged, the following inventor or inventors (hereinafter called "ASSIGNOR")

Name: Wataru Odajima
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Name: Shin-ya Hasegawa
Address: c/o Fujitsu Limited
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hereby assigns, transfers and sets over to:

Name: Fujitsu Limited
Address: 1-1, Kamikodanaka 4-chome
Nakahara-ku, Kawasaki-shi,
Kanagawa 211-8588 Japan

(hereinafter called "ASSIGNEE"), the entire worldwide right, title and interest in and to the invention known as:

OPTICAL APPARATUS, TRACKING APPARATUS AND OPTICAL DISK APPARATUS

for which a United States Patent Application was executed on even date herewith or, if not so executed, was:

- (a) executed on _____; or
- (b) filed on _____,
Serial No. ____/_____;

and all rights and privileges under any Letters Patent which may be granted thereon, including all rights, if any, to sue for past infringement.

(1) The ASSIGNOR agrees without charge to said ASSIGNEE but at its expense (a) to execute (i) all necessary papers to be used in connection with this application and any additional, continuing, or divisional applications, as the ASSIGNEE may deem necessary or expedient, (ii) all papers in connection with any interference or other legal or quasi-legal proceedings relating to this application or any additional, continuing, or divisional application thereof; (b) to cooperate with ASSIGNEE in every way possible in obtaining evidence and going forward in any such proceedings; and (c) to perform all other affirmative acts which may be necessary or desirable to obtain a grant of a valid patent for said invention.

(2) ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States to issue any and all Letters Patent that may be granted upon any

patent application or any additional, continuing or divisional applications thereof to the ASSIGNEE, its successors and assigns.

(3) ASSIGNOR hereby covenants and warrants that he has full right to convey the entire right, title and interest by this instrument, free of any encumbrances and that no other agreement has been or will be executed in conflict herewith.

(4) ASSIGNOR hereby grants to the law firm of GREER, BURNS & CRAIN, LTD. of Chicago, Illinois, authority and power to insert on this instrument any further identification which may be necessary or desirable for purposes of recordation in the United States Patent and Trademark Office or a Patent Office of any foreign country.

Date December 15, 1998

Signature of inventor Wataru Odajima

Date December 15, 1998

Signature of inventor Shuji Hasegawa