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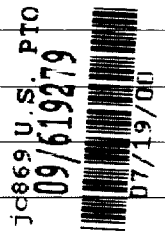
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): 7-19-00
IKUO NAKANO

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

Name: **SHARP KABUSHIKI KAISHA**

Address: 22-22 Nagaike-cho, Abeno-ku



Additional names(s) of conveying party(ies) Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

City: **Osaka** State/Prov.: _____

Country: **Japan** ZIP: _____

Execution Date: **June 29, 2000**

Additional name(s) & address(es) Yes No

4. Application number(s) or registration numbers(s): 09/619279

If this document is being filed together with a new application, the execution date of the application is: **June 29, 2000**

Patent Application No. _____ Filing date _____

B. Patent No.(s) _____

Additional numbers Yes No

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

Name: **David G. Conlin**

Registration No. **27026**

Address: **Dike, Bronstein, Roberts & Cushman,**

Intellectual Property Practice Group

EDWARDS & ANGELL, LLP, 130 Water Street

City: **Boston** State/Prov.: **MA**

Country: **USA** ZIP: **02109**

6. Total number of applications and patents involved: **1**

7. Total fee (37 CFR 3.41):.....\$ **40.00**

Enclosed - Any excess or insufficiency should be credited or debited to deposit account **40E**

Authorized to be charged to deposit account

8. Deposit account number:

04-1105

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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.

David G. Conlin (Reg. No. 27026)

Name of Person Signing

Signature

July 19, 2000

Date

2

Total number of pages including cover sheet, attachments, and

A S S I G N M E N T

We Ikuo NAKANO

and _____
for good and valuable consideration from SHARP KABUSHIKI KAISHA
_____, a Japanese corporation,
having its principal place of business in Osaka, Japan
hereinafter called the Assignee, receipt of which is hereby acknowledged, do hereby
sell, assign and transfer unto the Assignee, its successors and assigns, the entire
right, title and interest in, to and under an application for Letters Patent of the
United States Serial No. _____, filed on _____ * signed by us
for Improvements in LENS, OPTICAL PICKUP DEVICE, AND METHOD FOR
DETECTING LENS INCLINATION

including all priority rights ensuing therefrom, and the inventions and any of them
therein set forth and described, and any and all Letters Patent of the United States
and of countries foreign thereto which may be granted thereon or therefor, together
with the right to apply for such Letters Patent.

And for the above consideration we agree promptly upon request of the Assignee,
its successors or assigns, to execute and deliver without further compensation any
power of attorney, assignment, application, whether original, divisional, continuation
or reissue, or other papers which may be necessary or desirable fully to secure to the
Assignee, its successors and assigns, the inventions and any of them described in said
application and all patent rights therein, in the United States and in any country
foreign thereto.

The undersigned hereby grant(s) the law firm of Dike, Bronstein, Roberts &
Cushman 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
U.S. Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, I, Ikuo NAKANO, hereunto set my
hand and seal this 29th day of June, 2000, I, _____,
_____, hereunto set my hand and seal this _____ day of _____,
_____, and I, _____, hereunto set my hand and seal
this _____ day of _____.

Ikuo Nakano

Commonwealth [State] of _____ ss.
County of _____

Before me this _____ day of _____, 19____, personally appeared
_____, who is to me personally known, and acknowledged
the foregoing instrument of assignment to be [her] his free act and deed.

Notary Public

Commonwealth [State] of _____ ss.
County of _____

Before me this _____ day of _____, 19____, personally appeared
_____, who is to me personally known, and acknowledged
the foregoing instrument of assignment to be [her] his free act and deed.

Notary Public

*Where the application is assigned before it is filed,
and hence has no Serial No., this shall be left blank.