

01-12-1999



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jc518 U.S. PTO
09/21/98
12/23/98

RECORDATIC
PATENT APPLIC

TO THE ASSISTANT COMMISSIONER OF PATENTS AND
SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCL

1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):

1. MOROOKA, Masaru

- 3.
- 4.
- 5.
- 6.
- 7.
- 8.

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? YES NO

2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: OLYMPUS OPTICAL CO., LTD.

ADDRESS: 43-2, Hatagaya 2-Chome, Shibuya-Ku, Tokyo 151-0072 Japan

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? YES NO

3. NATURE OF CONVEYANCE (DOCUMENT):

(Submit herewith only one document for recordation—multiple copies of same Assignment signed by different inventors is one document)

ASSIGNMENT OF WHOLE PART INTEREST

EXEC. DATE: December 15, 1998

- CHANGE OF NAME
- VERIFIED TRANSLATION
- SECURITY
- MERGER
- OTHER:

EXECUTION DATE(S) ON THE DECLARATION IF FILED HERewith: (**NOTE:** IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) December 15, 1998

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? YES NO

| A. PAT. APP. NO.(S) series code/serial no | M# | 1 st INVENTOR if not in item 1 | B. PATENT NO(S) | M# | 1 st INVENTOR if not in item 1 |
|---|--------|--|-----------------|----|--|
| 09219362 | 259368 | | | | |
| NEW APPLICATION | 259368 | | | | |

5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:

Pillsbury Madison & Sutro LLP
Intellectual Property Group
 1100 NEW YORK AVENUE, N.W.
 NINTH FLOOR, EAST TOWER
 WASHINGTON, D.C. 20005-3918

6. NUMBER INVOLVED:
APPLNS 1 + PATS _____ = TOTAL 1

7. AMOUNT OF FEE ENCLOSED: (Code 581)
ABOVE TOTAL x \$40 = \$40

5.5 ATTY DKT:

| | |
|------------|--------------|
| PMS 259368 | OL 77998N-US |
| MATTER NO. | CLIENT REF. |

8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975

| | | |
|-------------------------|------------|------------|
| UNDER ORDER NO | 9523 | 259368 |
| dup. sheet not required | CLIENT NO. | MATTER NO. |

01/08/1999 STURBANTO 00000014 09219362

01 C:581 40.00 DP

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.

G. Perry 28458
Signature

| | |
|---|---|
| 10. Total number of pages including this cover sheet, attachments and document (do not file dup. Cover sheet) | 2 |
|---|---|

Attorney: G. Lloyd Knight

Reg. No. 17,698

Atty/Sec: GLK/mhn

Date: December 23, 1998

TEL: (202) 861-3090

FAX: (202) 822-0944

FILE WITH PTO RETURN RECEIPT (PAT-103A)

Please return signed/recorded to:
Cushman Darby & Cushman
Ninth Floor
1100 New York Avenue, N.W.
Washington, D.C. 20005-3918

For Inventions made outside USA
executed with application
Atty. Dkt. 259368 / OL77998N-IIS
M# / Client Ref.

USA Patent Appln.
Sole or Joint

98P02204
(659998N-25)

ASSIGNMENT

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit:

- (1) Masaru MOROOKA (4) _____
- (2) _____ (5) _____
- (3) _____ [] x box if continued on page 2

Insert Name(s)
of inventors

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

OLYMPUS OPTICAL CO., LTD. of 43-2,
Hatagaya 2-Chome, Shibuya-Ku, TOKYO 151-0072
JAPAN

Insert Name(s)
of Assignee(s)
and Address(es)

(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof; and all resulting patents, known as

Title of
Invention

ZOOM OPTICAL SYSTEM

NOTE-->>>
(Complete line
A, B and/or C)

- (A) for which the undersigned executed an application for Letters Patent of the United States of America [] even date herewith
- (B) [] on _____
- (C) in U.S. Appln No. _____ / _____ filed _____

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

NOTE-->>>

The undersigned hereby authorize(s) Cushman, Darby & Cushman of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

| <u>INVENTOR(S)</u> | <u>DATE SIGNED</u> | <u>WITNESS(ES)</u> |
|--|----------------------|---|
| 1) <u>Masaru Morooka</u> Name: Masaru MOROOKA | <u>Dec. 15, 1998</u> | <u>Takamichi Koyama</u> Takamichi KOYAMA |
| 2) _____ Name: _____ | _____ | _____ |
| 3) _____ Name: _____ | _____ | _____ |
| 4) _____ Name: _____ | _____ | _____ |
| 5) _____ Name: _____ | _____ | _____ |

IF ADDITIONAL INVENTORS, check box [] and continue on page 2