



03-19-2003

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Atty Docket No.: 232391US3DES

FORM PTO-1595
1-31-92

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Shinichi TAKAGI, Hiroshi ARUGA, Kiyohide SAKAI

2. Name and address of receiving party(ies):
Name: Mitsubishi Denki Kabushiki Kaisha
Address: 2-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo,
100-8310 Japan

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of Conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: February 12, 2003

Additional name(s) and address(es) attached? Yes 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: 1

A. Patent Application No.(s)
29/173,481

B. Patent No.(s)

Additional numbers attached? Yes No

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



22850

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6. Total applications and patents involved: 1

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

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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.

C. Irvin McClelland
Name of Person Signing

Joseph A. Scafetta Jr.
Signature

March 13, 2003
Date

Registration Number: 21,124

Joseph A. Scafetta, Jr.
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Total number of pages including this cover sheet: 3

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PATENT
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Assignment of Application

WHEREAS, I (WE) Shinichi TAKAGI, Hiroshi ARUGA, and Kiyohide SAKAI, all of:
c/o MITSUBISHI DENKI KABUSHIKI KAISHA
2-3, Marunouchi 2-Chome, Chiyoda-Ku,
Tokyo, 100-8310 Japan

INSERT NAMES AND RESIDENCE ADDRESS OF THE INVENTORS:

_____, respectively,
 have invented certain new and useful improvements in: OPTICAL MODULE

INSERT TITLE OF INVENTION:

For which an application for Letters Patent was executed on _____
 (Application No. 29/173,481, filed December 31, 2002), and

INSERT DATE INVENTORS SIGNED DECLARATION:

WHEREAS, MITSUBISHI DENKI KABUSHIKI KAISHA

INSERT NAME AND ADDRESS OF COMPANY OR OTHER ASSIGNEE

(hereinafter referred to as "ASSIGNEE") having places of business at: 2-3, Marunouchi 2-Chome, Chiyoda-Ku, Tokyo, 100-8310 Japan is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

10/01

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: Feb. 12, 2003

Shinichi Takagi
(Signature of Inventor) Shinichi TAKAGI

Date: Feb. 12, 2003

Hiroshi Aruga
(Signature of Inventor) Hiroshi ARUGA

Date: Feb. 12, 2003

Kiyohide Sakai
(Signature of Inventor) Kiyohide SAKAI

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

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