

07-28-1998



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BOX ASSIGNMENTS
PATENT 2565-120P

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: SHIMIZU et al.

SERIAL NO.: 09/052,072

GROUP: 2753

FILED: March 31, 1998

EXAMINER: Not Assigned

FOR: AN OPTICAL PULSE POSITION DETECTING CIRCUIT AND
AN OPTICAL PULSE GENERATING APPARATUS AND
THEIR METHODS



Date: July 23, 1998

Docket No.: 2565-0120P

RECORDING OF ASSIGNMENT

BOX ASSIGNMENTS

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

Please record the attached original documents or copy thereof.

1. Name of Conveying party(ies) (e.g. inventor(s)):

Katsuhiro Shimizu
Takeshi Komiya
Tadayoshi Kitayama
Hidenori Taga
Noboru Edagawa

Takashi Mizuochi
Kiwami Matsushita
Masatoshi Suzuki
Shu Yamamoto
Itsuro Morita

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

Mitsubishi Denki Kabushiki Kaisha
2-3, Marunouchi 2-chome, Chiyoda-ku,
Tokyo 100-8310 JAPAN

Kokusai Denshin Denwa Co., Ltd.
3-2, Nishishinjuku 2-chome, Shinjuku-ku
Tokyo 163-8003

07/27/1998 TTEN11 00000189 09052072

01 FC:581

40.00 DP

PATENT
REEL: 9338 FRAME: 0145

MRD 7-23-98

3. Nature of Conveyance:

- ☒ Assignment
☐ Security Agreement
☐ Merger
☐ Change of Name
☐ Other _____

Execution Date (e.g., Assignment): June 5, 1998; June 9, 1998; June 8, 1998; June 8, 1998; June 8, 1998 and June 23, 1998, June 23, 1998; June 23, 1998; June 23, 1998; and June 23, 1998, respectively.

4. Application number(s) or patent number(s):

If this document is being filed together with a new patent application, the execution date(s) of the application (Declaration) is (are) _____.

A. Patent Application Number(s):

09/052,072

B. Patent Number(s):

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

Birch, Stewart, Kolasch & Birch, LLP
P.O. Box 747
Falls Church, VA 22040-0747
(703) 205-8000

6. Total number of applications and patents involved: one (1)

7. ☒ The recording fee in the amount of \$ 40.00 is enclosed.

Serial No. 09/052,072

8. ___ Please charge Deposit Account No. 02-2448 in the amount of \$_____. A duplicate copy of this request is enclosed.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. §§ 1.16-1.21(h); particularly, extension of time fees.

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.

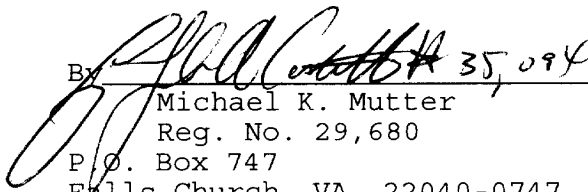
Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

Date: _____

7/23/98

By _____

 35,094
Michael K. Mutter
Reg. No. 29,680
P.O. Box 747
Falls Church, VA 22040-0747
(703) 205-8000

MKM/wks

TOTAL NUMBER OF PAGES INCLUDING COVER SHEET,
ATTACHMENTS, AND DOCUMENT: 5

Rev. 12/9/97
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BIRCH, STEWART, KOLASCH & BIRCH, LLP
United States Patent Rights, or
United States plus All Foreign Patent Rights

ATTORNEY DOCKET NO.

ASSIGNMENT

Application No. 09/052,072

Filed 31 March 1998

Insert
Name(s) of
Inventor(s)

WHEREAS, Katsuhiro Shimizu, Takashi Mizuochi, Takeshi
Komiya, Kiwami Matsushita, Tadayoshi Kitayama, Masatoshi
Suzuki, Hidenori Taga, Shu Yamamoto, Noboru Edagawa,
and Itsuro Morita

Insert Title
of Invention

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in
An Optical Pulse Position Detecting Circuit and an Optical
Pulse Generating Apparatus and their Methods

Insert Date
of Signing of
Application

for which an application for Letters Patent of the United States of America has been executed by the undersigned
on _____; and

Insert Name
of Assignee

WHEREAS, 1) Mitsubishi Denki Kabushiki Kaisha
2) Kokusai Denshin Denwa Co., Ltd.

Insert Address
of Assignee

of 1) 2-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8310
Japan
2) 3-2, Nishishinjuku 2-chome, Shinjuku-ku, Tokyo
163-8003 Japan

Its heirs, successors, legal representatives and the assigns (hereinafter designated as the Assignee) is desirous of
acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be
granted therefor in the

CHECK ONE
BOX

- (1) ☐ United States of America only; or
(2) ☒ United States of America and any and all foreign countries

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the
receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have)
sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignee the full and
exclusive right to the said invention in:

1. the United States of America, its territories, dependencies and possessions and the entire right, title and
interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its
territories, dependencies and possessions, if box (1) above is designated;

or

2. the United States of America, its territories, dependencies and possessions and in any and all foreign
countries and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted
therefor in the United States of America, its territories, dependencies and possessions and in any and all foreign
countries, if box (2) above is designated;

and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the
same may be granted.

PATENT
REEL: 9338 FRAME: 0148

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 or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the 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 of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and/or any and all foreign countries to issue any and all Letters Patents 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) the 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 law firm of Birch, Stewart, Kolasch and Birch, LLP 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

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment

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

Date 5 June 1998, Name of Inventor Katsuhiro Shimizu (SEAL)
(signature) Katsuhiro Shimizu

Date 6 / 9 / 1998, Name of Inventor Takashi Mizuochi (SEAL)
(signature) Takashi Mizuochi

Date 8 June, 1998, Name of Inventor Takeshi Komiya (SEAL)
(signature) Takeshi Komiya

Date 8 June, 1998, Name of Inventor Kiwami Matsushita (SEAL)
(signature) Kiwami Matsushita

Date 8 June 1998, Name of Inventor Tadayoshi Kitayama (SEAL)
(signature) Tadayoshi Kitayama

Date 23 June 1998, Name of Inventor Masatoshi Suzuki (SEAL)
(signature) Masatoshi Suzuki

The execution by the Inventor(s) of this assignment may be witnessed by at least two persons who sign here

Witness _____ **PATENT**

Witness _____ **REEL: 9338 FRAME: 0149**

1/2

Date 23 June, 1998, Name of Inventor Hidenori Taga (SEAL)
(signature) Hidenori Taga

Date June 23, 1998, Name of Inventor Shu Yamamoto (SEAL)
(signature) Shu Yamamoto

Date 23 June, 1998, Name of Inventor Noboru Edagawa (SEAL)
(signature) Noboru Edagawa

Date 23 June, 1998, Name of Inventor Itsuro Morita (SEAL)
(signature) Itsuro Morita

Date _____, Name of Inventor _____ (SEAL)
(signature)

Date _____, Name of Inventor _____ (SEAL)
(signature)

Date _____, Name of Inventor _____ (SEAL)
(signature)

Date _____, Name of Inventor _____ (SEAL)
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(signature)

Date _____, Name of Inventor _____ (SEAL)
(signature)