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U.S. DEPARTMENT OF COMMERCE
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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):

Yoshihisa YAMANOUCHI, Fumio MATSUZAKA, Akihiro NISHIMI, Minoru UEHARA, Shinya TAKAJIMA, and Koichi MORI



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

3. Nature of Conveyance:

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

Execution Date: August 29, 2001

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

Name: 1) ISHIKAWAJIMA-HARIMA JUKOGYO
KABUSHIKI KAISHA
and
2) ISHIKAWAJIMA SYSTEM
TECHNOLOGY CO., LTD.

Address: 1) No. 2-1, Ote-machi 2-chome, Chiyoda-ku,
Tokyo-to, JAPAN

and

2) No. 7-2-14, Toyo, Koto-ku, Tokyo-to,
JAPAN

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:

A. Patent Application No.(s)

09/892,643

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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



22850

6. Total applications and patents involved:

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

- ☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit account number: 15-0030

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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.

Marvin J. Spivak

Name of Person Signing

Registration Number: 24,913

Joseph A. Scafetta, Jr.

Signature

Joseph A. Scafetta, Jr.
Registration No. 26,803

Feb. 12, 2002

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PATENT
REEL: 012575 FRAME: 0572

Assignment Of Application

Page 1 of 2

WHEREAS, I (WE) _____

INSERT NAMES
AND RESIDENCE
ADDRESSES OF
THE INVENTORS:

Yoshihisa YAMANOUCHI

of Kawasaki-ku, Kawasaki-shi, Kanagawa-ken, Japan

Fumio MATSUZAKA

of Ota-ku, Tokyo-to, Japan

Akihiro NISHIMI

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Minoru UEHARA

of Shinagawa-ku, Tokyo-to, Japan

Shinya NAKAJIMA

of Yugawara-machi, Ashigarashimo-gun, Kanagawa-ken, Japan

Koichi MORI

of Soka-shi, Saitama-ken, Japan, respectively,

INSERT TITLE
OF INVENTION:have invented certain new and useful improvements in: SOLID STATE LASER APPARATUSINSERT DATE IN-
VENTORS SIGNED
DECLARATION:for which an application for Letters Patent was executed on August 29, 2001(Application No. 09/892,643, filed June 28, 2001), andINSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE:WHEREAS, Ishikawajima-Harima Jukogyo Kabushiki Kaisha
Ishikawajima System Technology Co., Ltd.

(hereinafter referred to as "ASSIGNEE") having a place of business at: _____

No. 2-1, Ote-machi 2-chome, Chiyoda-ku, Tokyo-to, Japan

No. 7-2-14, Toyo, Koto-ku, Tokyo-to, 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.

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 Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 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: August 29, 2001

(Signature of Inventor)

Yoshihisa Yamanouchi
Yoshihisa YAMANOUCHI

Date: August 29, 2001

(Signature of Inventor)

Fumio Matsuzaka
Fumio MATSUZAKA

Date: August 29, 2001

(Signature of Inventor)

Akihiro Nishimi
Akihiro NISHIMI

Date: August 29, 2001

(Signature of Inventor)

Minoru Uehara
Minoru UEHARA

Date: August 29, 2001

(Signature of Inventor)

Shinya Nakajima
Shinya NAKAJIMA

Date: August 29, 2001

(Signature of Inventor)

Koichi Mori
Koichi MORI

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

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