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**PATENT**

**Conveying Party(ies)**

- 7. Mitsuo INOUE
- 8. Yukio SATO
- 9.
- 10.
- 11.
- 12.

**Execution Date(s)**

- July 6, 2000
- July 6, 2000

**Receiving Party(ies)**

Name  
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Address  
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**Application Number(s) or Patent Number(s)**

Mark if additional numbers attached

*Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).*

**Patent Application Numbers**

**Patent Numbers**

09/599,645

If this document is being filed together with a *new* Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year  
July 3, 2000

**Patent Cooperation Treaty (PCT)**

Enter PCT application number *only if* a U.S. Application Number has not been assigned.

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ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is acknowledged, the undersigned, Tatsuki OKAMOTO, Tetsuya OGAWA, Keisuke FURUTA, Hidetada TOKIOKA, Tomohiro SASAGAWA, Junichi NISHIMAE, Mitsuo INOUE and Yukio SATO

of c/o Mitsubishi Denki Kabushiki Kaisha, 2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN

sells, assigns, and transfers to

MITSUBISHI DENKI KABUSHIKI KAISHA

of 2-3, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOKYO 100-8310 JAPAN

(the Assignee), its successors and assigns, the entire right, title, and interest in and to:

(i) the application for United States Letters Patent entitled:

OPTICAL SYSTM AND APPARATUS FOR LASER HEAT TREATMENT AND METHOD FOR PRODUCING SEMICONDUCTOR DEVICES BY USING THE SAME

which was executed by the undersigned on \_\_\_\_\_, \_\_\_\_\_ or was filed on June 23, 2000 and accorded Serial No. 09/599,645 (the Application);

- (ii) any and all inventions and improvements that are described in the Application;
- (iii) any and all United States Letters Patents that may be granted on the Application (the Patent);
- (iv) any and all divisions, continuations, reexaminations, reissues, or extensions of the Application or the Patent; and
- (v) all benefits under the International Convention for the Protection of Industrial Property.

I authorize the Assignee and its agents to insert in this instrument the filing date and serial number of the Application.

I authorize and request the Commissioner of Patents to issue any and all Letters Patent, when granted, to the Assignee.

Further, it is agreed that, when requested, without charge to, but at the expense of, the Assignee, the undersigned will execute all divisional, continuing, or reissue patent applications; execute all additional assignments and other writings, including reissue and reexamination papers; and provide all reasonable assistance requested by the Assignee to secure and maintain appropriate patent protection for any invention described in the Application.

Signed at Tokyo, Japan

this 3rd day of July, 2000.,  
6th day of July, 2000 and 7th day of 2000.

WITNESS(ES):

INVENTOR(S):

Masaki Tanaka

Tatsuki Okamoto  
Tatsuki OKAMOTO

Masaki Tanaka

Tetsuya Ogawa  
Tetsuya OGAWA

Masaki Tanaka

Keisuke Furuta  
Keisuke FURUTA

Masaki Tanaka

Hidetada Tokioka  
Hidetada TOKIOKA

Masaki Tanaka

Tomohiro Sasagawa  
Tomohiro SASAGAWA

Masaki Tanaka

Junichi Nishimae  
Junichi NISHIMAE

Masaki Tanaka

Mitsuo Inoue  
Mitsuo INOUE

Masaki Tanaka

Yukio Sato  
Yukio SATO



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