

12-18-2002

U.S. DEPARTMENT OF COMMERCE



TR SHEET

Patent and Trademark Office  
Docket No. 204552026100

102315381

To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

Jc:718 U.S. PTO  
10/315195  
12/10/02

1. Name of conveying party(ies):  
Nobuhiro NISHIYAMA  
Additional name(s) of conveying party(ies) attached?  Yes  No

12/10/02

2. Name and address of receiving party(ies):  
SHARP KABUSHIKI KAISHA  
22-22, Nagaike-cho, Abeno-ku.  
Osaka, Japan  
Additional name(s) & address(es) attached?  Yes  No

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other:  
Execution Date: November 23, 2002

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: November 23, 2002  
A. Patent Application No.(s) B. Patent No.(s)  
Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
Barry E. Bretschneider  
Morrison & Foerster LLP  
1650 Tysons Boulevard, Suite 300  
McLean, Virginia 22102

6. Total number of applications and patents involved: 1  
7. Total fee (37 C.F.R. § 3.41): \$40.00  
 Enclosed  
 Authorized to be charged to deposit account, referencing Attorney Docket 204552026100  
8. Deposit account number: 03-1952

The Commissioner is hereby authorized to charge any fees under 37 C.F.R. § 1.21 that may be required by this paper, or to credit any overpayment to Deposit Account No. 03-1952

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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.  
Name: Barry E. Bretschneider  
Registration No: 28.055  
Signature:   
Date: December 10, 2002

Total number of pages comprising cover sheet, attachments and document: 3

12/18/2002 LMJELLER 00000013 031952 10315195  
01 FC:0021 40.00 CH

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents and Trademarks  
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va-19024

# MORRISON & FOERSTER LLP

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assign(s), transfer(s) and set(s) over to:

SHARP KABUSHIKI KAISHA of  
22-22, Nagaike-cho, Abeno-ku, Osaka, Japan

(hereinafter designated as the "ASSIGNEE"), its successors and assigns, the entire right, title, and interest for the United States in the invention, and all applications for patent and any Letters Patent which may be granted therefor, including said application, and all United States Letters Patent which may be granted thereof, and all divisions, reissues, continuations and extensions thereof, the said interest being the entire ownership of said Letters Patent when granted to be held by said ASSIGNEE, its successors, assigns or their legal representatives, 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 and enjoyed by Assignor(s) if this assignment had not been made, the application being known by the title:

Semiconductor Laser Apparatus and Method  
for Manufacturing the Same

Attorney Docket No.: 20455-20261.00

for which the undersigned has/have executed an application for patent in the United States of America on the same day herewith. Where this instrument is not filed concurrently with the application, the following identifying information may be added after execution:

Serial No.:

Filing Date: December 10, 2002

1. The undersigned hereby agree(s) to sign and execute any further documents and instruments which may be necessary, lawful and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reexamination or reissue application or in any amendments, extension of interference proceedings, or otherwise to secure the title thereto to the ASSIGNEE.

Page 1 of 2

PATENT  
REEL: 013574 FRAME: 0767

2. The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property of similar agreements.

3. The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the ASSIGNEE.

4. The undersigned hereby authorize(s) and request(s) the Commissioner of Patents in the United States to issue any and all Letters Patent resulting from said application or any division or divisions or continuing applications thereof to the said ASSIGNEE.

5. The undersigned hereby grant(s) to the firm of Morrision & Foerster 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 United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREBY, executed by the undersigned on the date(s) opposite the undersigned name(s).

23-NOV-2002  
Date

Nobuhiro Nishiyama  
Typed Name: Nobuhiro NISHIYAMA

\_\_\_\_\_  
Date

\_\_\_\_\_  
Typed Name:

\_\_\_\_\_  
Date

\_\_\_\_\_  
Typed Name:

\_\_\_\_\_  
Date

\_\_\_\_\_  
Typed Name:

\_\_\_\_\_  
Date

\_\_\_\_\_  
Typed Name:

This assignment may be signed before a U.S. Notary Public or before at least two witnesses who also sign here:

November 23, 2002  
Date

Sawako Hattori  
Typed Name: Sawako HATTORI

November 23, 2002  
Date

Naoko Itoh  
Typed Name: Naoko ITOH