

02-09-2006

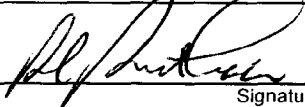
DEPARTMENT OF COMMERCE
Patent and Trademark Office



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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies): Tadashi TAKEOKA (12/09/2005) and Takuroh ISHIKURA (12/14/2005) Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies) Name: <u>SHARP KABUSHIKI KAISHA</u> Internal Address: _____ Street Address: _____ 22-22, Nagaike-cho, Abeno-ku Osaka-shi, Osaka 545-8522 JAPAN City: _____ State: _____ Country: _____ Zip: _____ Additional name(s) & address(es) attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of conveyance/Execution Date(s): Execution Date(s): <u>in parentheses after inventor name</u> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input type="checkbox"/> Security Agreement <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____		4. Application or patent number(s): <input type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s) 11/268,735 B. Patent No.(s) Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name and address to whom correspondence concerning document should be mailed: Name: <u>Barry E. Bretschneider</u> <u>MORRISON & FOERSTER LLP</u> Internal Address: <u>Atty. Dkt.: 204552036000</u> Street Address: <u>1650 Tysons Blvd, Suite 300</u> City: <u>McLean</u> State: <u>VA</u> Zip: <u>22102</u> Phone Number: <u>(703) 760-7743</u> Fax Number: <u>(703) 760-7777</u> Email Address: <u>BBretschneider@mofo.com</u>		6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>40.00</u> <input type="checkbox"/> Authorized to be charged by credit card <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title)	
9. Signature:  _____ Signature <u>Barry E. Bretschneider - 28,055</u> Name of Person Signing		8. Payment Information a. Credit Card Last 4 Numbers _____ Expiration Date _____ b. Deposit Account Number <u>03-1952</u> Authorized User Name <u>Barry E. Bretschneider</u> Total number of pages including cover sheet, attachments, and documents: 3	

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va-152044

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-shi, Osaka 545-8522 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 DEVICE MANUFACTURING METHOD
AND SEMICONDUCTOR LASER DEVICE**

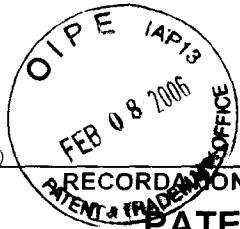
Attorney Docket No.: 204552036000

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: November 8, 2005

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.



02-09-2006

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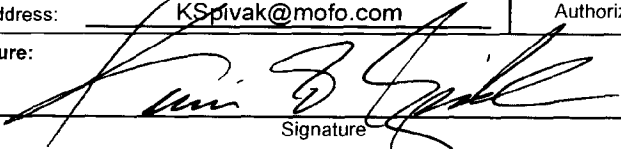


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RECORDATION FO
PATENT & TRADEMARK OFFICE
PATENT

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies): Ulrich KÄSBERGER (02/02/2006) and Manfred MOSER (02/02/2006) Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies) Name: <u>INFINEON TECHNOLOGIES AG</u> Internal Address: _____ Street Address: _____ St.-Martin-Str. 53 City: <u>München</u> State: _____ Country: <u>Germany</u> Zip: <u>81669</u> Additional name(s) & address(es) attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance/Execution Date(s): Execution Date(s): <u>in parentheses after inventor name</u> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input type="checkbox"/> Security Agreement <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____	City: <u>München</u> State: _____ Country: <u>Germany</u> Zip: <u>81669</u> Additional name(s) & address(es) attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
4. Application or patent number(s): <input type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s) <u>11/207,196</u> Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	B. Patent No.(s) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5. Name and address to whom correspondence concerning document should be mailed: Name: <u>Kevin R. Spivak</u> <u>MORRISON & FOERSTER LLP</u> Internal Address: <u>Atty. Dkt.: 543822017100</u> Street Address: <u>1650 Tysons Blvd, Suite 300</u> City: <u>McLean</u> State: <u>VA</u> Zip: <u>22102</u> Phone Number: <u>(703) 760-7762</u> Fax Number: <u>(703) 760-7777</u> Email Address: <u>KSpivak@mofo.com</u>	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>40.00</u> <input type="checkbox"/> Authorized to be charged by credit card <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title)
8. Payment Information a. Credit Card Last 4 Numbers _____ Expiration Date _____ b. Deposit Account Number <u>03-1952</u> Authorized User Name <u>Kevin R. Spivak</u>	
9. Signature: <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  Signature <u>Kevin R. Spivak - 43,148</u> Name of Person Signing </div> <div style="text-align: right;"> <u>February 8, 2006</u> Date </div> </div> <div style="text-align: right; margin-top: 10px;"> Total number of pages including cover sheet, attachments, and documents: 3 </div>	

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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:

Infineon Technologies AG
St.-Martin-Str. 53
81669 München
GERMANY

(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 DEVICE WITH IMPROVED HEAT DISSIPATION

Attorney Docket No.: 54382-20171.00

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.: 11/207,196

Filing Date: August 19, 2005

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.

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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 Morrison & 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).

February 02, 2006
Date

Ulrich Kaesberger
Typed Name: Ulrich KASBERGER

February 02, 2006
Date

Manfred Moser
Typed Name: Manfred MOSER