

08-05-2004

FORM PTO-1595
U.S. DEPARTMENT OF COMMERCE
1-31-92



102806587

Patent and Trademark Office

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

<p>1. Name of conveying party(ies): YUUCHI HOTTA Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name Execution Date: May 14, 2004 </p>		<p>2. Name and address of receiving party(ies): Name: Kabushiki Kaisha Toshiba Street Address: 1-1, Shibaura 1-chome Minato-ku, Tokyo, Japan Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </p>	
<p>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) 10/825,487 B. Patent No.(s) Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </p>			
<p>5. Name and address of party to whom correspondence concerning document should be mailed: Name: Edward B. Weller Internal Address: Gray Cary Ware & Freidenrich LLP 2000 University Avenue East Palo Alto, CA 94303-3340 (650) 833-2436 </p>		<p>6. Total number of applications and patents involved: 1</p> <p>7. Total fee (37 CFR 3.41) \$ 40.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account </p> <p>8. Deposit account number: 07-1896 Please debit any underpayment or credit any overpayment to the above deposit account. Our Order No. </p>	
DO NOT USE THIS SPACE			
<p>9. Statement and signature. <u>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.</u> Edward B. Weller (Reg. No. 37,468) Name of Person Signing Signature Date July 28, 2004 Total number of pages comprising cover sheet: [3] </p>			
<p>OMB No. 0651-0011 (exp. 4/94)</p>			

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

08/04/2004 00000036 10825487
01 FC:0021 40.00 00

Commissioner of Patents and Trademarks
Mail Stop Assignment
P.O. Box 1450
Alexandria, VA 22313

ASSIGNMENT

WHEREAS, Yuuichi HOTTA made certain inventions or discoveries (or both) set forth in an Application for Letters Patent of the United States of America entitled INPUT/OUTPUT CIRCUIT AND SEMICONDUCTOR INTEGRATED CIRCUIT

issued as U.S. Patent No. _____
X filed as U. S. Serial No. 10/825,487 on April 14, 2004
 _____ filed herewith

WHEREAS, KABUSHIKI KAISHA TOSHIBA, whose address is 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan, and who, together with its successors and assigns is hereinafter called "Assignee", is desirous of acquiring the entire right, title and interest together with the benefits and privileges hereinafter recited;

NOW, THEREFORE, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, effective as of the date this document is executed, hereby, without reservation;

1. Assign, transfer and convey to Assignee the entire right, title and interest together with the benefits and privileges in and to said inventions and discoveries, said Application for Letters Patent or similar forms of protection of the United States of America, and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and convention applications based in whole or in part upon said inventions or discoveries, or upon said application, and any and all Letters Patent, reissues and extensions of Letters Patent or similar forms of protection granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries or groups of countries on any or all of said inventions and discoveries in our name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or any other relevant convention or treaty or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein, or otherwise as Assignee may direct;

4. Warrant that we have not knowingly conveyed to others any rights in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;

5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or

them, all acts reasonable serving to assure that said inventions and discoveries, said patent applications and said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assign-ee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns which may be useful for establishing any facts of our conceptions, disclosures, and reduction to practice of said inventions or discoveries.

IN WITNESS WHEREOF

Date May 14, 2004

Yuichi Hotta
Yuichi HOTTA

ALL-PURPOSE ACKNOWLEDGMENT

State of _____)
County of _____)SS.

On _____ before me, _____ personally appeared _____, personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Notary's Signature

[Notary Seal]