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Attorney Docket No. 2102487-991110

FORM PTO-1595
U.S. DEPARTMENT OF COMMERCE

101741587

SHEET

1-31-92

PATENTS ONLY

Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.	
1. Name of conveying party(ies): Koujiro Hatanaka Additional name(s) of conveying party(ies) attached? [] Yes [X] No 3. Nature of Conveyance: [X] Assignment [] Merger [] Security Agreement [] Change of Name Execution Date:	2. Name and address of receiving party(ies): Name: Kabushiki Kaisha Toshiba Street Address: 72 Horikawa-cho Saiwai-ku, Kawasaki-shi Kanagawa-ken, Japan Additional name(s) & address(es) attached? [] Yes [X] 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) 09/798,782 B. Patent No.(s) _____ Additional numbers attached? [] Yes [X] No	
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 1755 Embarcadero Road Palo Alto, CA 94303-3340 (650) 833-2000	6. Total number of applications _____ and patents involved: 1
	7. Total fee (37 CFR 3.41) \$ 40.00 [X] Enclosed [] Authorized to be charged to deposit account
	8. Deposit account number: 07-1896 Please debit any underpayment or credit any overpayment to the above deposit account. Our Order No. _____
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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 <div style="text-align: right;">May 30, 2001 Date</div> <div style="text-align: right;">Total number of pages comprising cover sheet: [3]</div>	
OMB No. 0651-0011 (exp. 4/94)	

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

Commissioner of Patents and Trademarks
Box Assignments
Washington, DC 20231Gray Cary\EM\7077337.1
2102487-991110PATENT
REEL: 011857 FRAME: 0645

ASSIGNMENT

WHEREAS, Koujiro HATANAKA made certain inventions or discoveries (or both) set forth in an Application for Letters Patent of the United States of America entitled INTEGRATED CIRCUIT AND LAYOUT METHOD FOR THE SAME

_____ issued as U.S Patent No. _____
X filed as serial no. 09/798,782 on March 2, 2001
_____ filed herewith

KABUSHIKI KAISHA 72 Horikawa-cho,
WHEREAS, TOSHIBA, and whose address is Saiwai-ku, Kawasaki-shi,
Kanagawa-ken, 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 _____ we 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 Assignee 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:

Koujiro Hatanaka May 15, 2001
Inventor #1 Name Koujiro HATANAKA

STATE OF CALIFORNIA)
) ss.
COUNTY OF)

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

Witness my hand and official seal.

Notary Public

Gray Cary\HV\7062712.1
9999998-91056

RECORDED: 06/04/2001

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