

PATENT ASSIGNMENT

Electronic Version v07

Stylesheet Version v02

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT OF ASSIGNOR'S INTEREST

CONVEYING PARTY DATA

Name	Execution Date
Rafael Reif	2003-12-15
Nisha Checka	2003-12-15
Anantha Chandrakasan	2004-01-09

RECEIVING PARTY DATA

Name	Street Address	Internal Address	City	State/Country	Postal Code
Massachusetts Institute of Technology	77 Massachusetts Avenue		Cambridge	MASSACHUSETTS	02139

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number	10749096

CORRESPONDENCE DATA

FAX NUMBER: 781-401-9966

*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*

When the customer number has been provided, the Office of Public Records will obtain the correspondence data from the official record on file at the USPTO.

CUSTOMER NUMBER: 022494

NAME OF PERSON SIGNING:

Christopher S. Daly

DATE SIGNED:

2004-05-21

Total Attachments: 4

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## A S S I G N M E N T

Whereas we, the undersigned, Rafael Reif, Nisha Checka and Anantha Chandrakasan hereby have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled MULTI-LAYER INTEGRATED SEMICONDUCTOR STRUCTURE HAVING AN ELECTRICAL SHIELDING PORTION, identified as Attorney Docket No. MIT-136DUS and MIT Case No. 10005 which application was executed on 12-15-03; 12-15-03; 01-09-04 and filed on December 30, 2003 and Assigned Application No.10/749,096. In the event that the Attorney Docket No., execution date, filing date and/or Application No. are not entered above at the time we executed this document, and if such information is deemed necessary, we hereby authorize and request our attorneys at Daly, Crowley & Mofford, LLP, 275 Turnpike Street, Suite 101, Canton, MA 02021-2310, to insert above the Attorney Docket No., execution date, filing date and/or Application No. of said application.

Whereas, Massachusetts Institute of Technology, a Massachusetts Corporation having a place of business at 77 Massachusetts Avenue, Cambridge, Massachusetts 02139 and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits and privileges hereinafter recited;

Now, therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign, transfer and convey to Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, reissue, re-examination and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent 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 on any or all of said inventions and discoveries in my name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention 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 I have not knowingly conveyed to others any right 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 I have good right to assign the same to Assignee without encumbrance;

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Application No.: Not Yet Assigned  
Attorney Docket No.: MIT-136DUS  
MIT Case No.: 10005

5. Bind my heirs, legal representatives and assigns, as well as myself, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to me or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me, my 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 me 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 my control or in the control of my heirs, legal representatives or assigns which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which we have each executed this Assignment on the date indicated next to each of our respective names.

Dated: 12/15/03

Rafael Reif  
Rafael Reif

On this 15 day of December, 2003, before me appeared Rafael Reif to me known and known to me to be the person described in and who executed the foregoing document, and he acknowledged the same to be his free act and deed.

Lucille A. O'Hara  
First Witness

On this 15 day of December, 2003, before me appeared Rafael Reif, to me known and known to me to be the person described in and who executed the foregoing document, and he acknowledged the same to be his free act and deed.

[Signature]  
Second Witness

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Dated: 12/15/03

Nisha Checka  
Nisha Checka

On this 15 day of December, 2003, before me appeared Nisha Checka to me known and known to me to be the person described in and who executed the foregoing document, and he acknowledged the same to be his free act and deed.

Lucille A. O'Hara  
First Witness

On this 15 day of December, 2003, before me appeared Nisha Checka, to me known and known to me to be the person described in and who executed the foregoing document, and he acknowledged the same to be his free act and deed.

[Signature]  
Second Witness

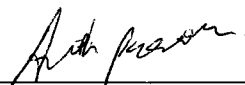
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Application No.: Not Yet Assigned

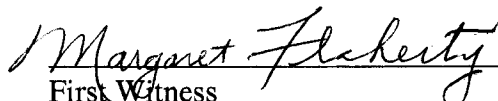
Attorney Docket No.: MIT-136DUS

MIT Case No.: 10005


Dated: 1/9/04

  
Anantha Chandrakasan

On this 9 day of Jan., 200<sup>4</sup>, before me appeared Anantha Chandrakasan, to me known and known to me to be the person described in and who executed the foregoing document, and he acknowledged the same to be his free act and deed.

  
First Witness

On this 9 day of Jan., 200<sup>4</sup>, before me appeared Anantha Chandrakasan, to me known and known to me to be the person described in and who executed the foregoing document, and he acknowledged the same to be his free act and deed.

  
Second Witness

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RECORDED: 05/21/2004

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