

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
Alexander H Slocum	2003-10-06
Jeffrey Lang	2003-10-07
James R White	2003-10-06
Hongshen Ma	2003-10-06
Xueen Yang	2003-10-07

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	10683569

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:

Kermit Robinson

DATE SIGNED:

2004-03-04

Total Attachments: 4

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source=assign4.tif

PATENT

800010639

REEL: 014393 FRAME: 0175

A S S I G N M E N T

Whereas we, the undersigned, Alexander H. Slocum, Jeffrey Lang, James R. White, Hong Ma, and Xueen Yang, hereby have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled A VARIABLE ELECTRONIC CIRCUIT COMPONENT, identified as Attorney Docket No. MIT-141AUS and MIT Case No. 10030 which application was executed on October 16, 2003, October 14, 2003, October 14, 2003, October 14, 2003, and October 17, 2003, and filed on October 10, 2003 and Assigned Application No.10/683,569. In the event that the 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 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:

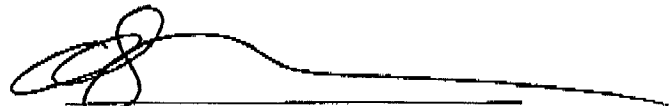
1. Assign, transfer and convey to Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, 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;

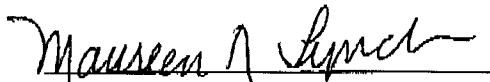
5. Bind my heirs, legal representatives and assigns, as well as myself, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to me or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said 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.

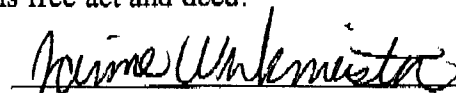
Dated: Oct 6 2003


Alexander H. Slocum

On this 6 day of October, 2003, before me appeared Alexander H. Slocum, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.


First Witness

On this 6 day of October, 2003, before me appeared Alexander H. Slocum, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.


Second Witness

Dated: 10/7/03

Jeffrey Lang
Jeffrey Lang

On this 7th day of OCTOBER, 2003, before me appeared Jeffrey Lang, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Kiyomi Boyd
First Witness Kiyomi Boyd

On this 7th day of OCTOBER, 2003, before me appeared Jeffrey Lang, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Ram C.
Second Witness

Dated: 10/6/03

James R. White
James R. White

On this 6 day of October, 2003, before me appeared James R. White, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Maureen A. Lynch
First Witness

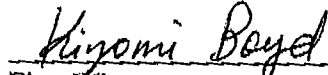
On this 6 day of October, 2003, before me appeared James R. White, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Alon, Chris Webb
Second Witness

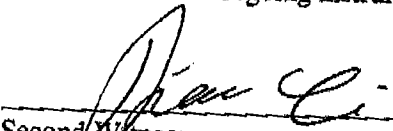
Dated: 10/06/03


Hong Ma

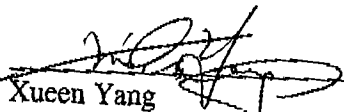
On this 6th day of October, 2003, before me appeared Hong Ma, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.


First Witness Kiyomi Boyd

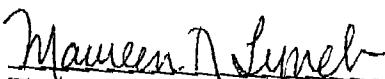
On this 6th day of October, 2003, before me appeared Hong Ma, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.


Second Witness

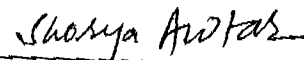
Dated: 10/07/03


Xueen Yang

On this 7th day of October, 2003, before me appeared Xueen Yang, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.


First Witness

On this 7th day of October, 2003, before me appeared Xueen Yang, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.


Second Witness

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