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08-31-2001



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TRADEMARK OFFICE

Attorney Docket No. 0146.00005

**COVER SHEET FOR RECORDAL OF DOCUMENT (PATENT)**

Hon. Commissioner of Patents and Trademarks  
Washington, D.C. 20231  
Attn: BOX ASSIGNMENT

08/27/01

Sir:

Pursuant to 37 C.F.R. 3.31, enclosed herewith is a document for recordal in this case. The following information is provided:

(1) **Name Of Party Conveying The Interest:**

Gang Lui

08/27/01

(2) **Name And Address Of Party Receiving The Interest:**

Analog Technologies, Inc.  
23399 Commerce Drive  
Suite B-4  
Farmington Hills, Michigan 48335

(3) **Description Of The Transaction To Be Recorded:**

Assignment       License  
 Change of Name     Other \_\_\_\_\_

(4) **Application(s) and/or Patent(s) Against Which Enclosure Is To Be Recorded:**

Serial Number **09/813,078**, filed **March 19, 2001**.  
 Application being filed concurrently herewith.  
 Patent Number \_\_\_\_\_, issued \_\_\_\_\_.

(5) **Name And Address Of The Party To Whom Correspondence Concerning The Request To Record Should Be Mailed:**

Robert S. Nolan  
Bliss, McGlynn & Nolan, P.C.  
2075 West Big Beaver Road  
Suite 600  
Troy, Michigan 48084

08/30/2001 DBYRNE  
01 FC:581

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40.00 DP

(6) **Number Of Applications and/or Patents Identified In The Cover Sheet And Total Recordal Fee:**

Number of Applications/Patents: ..... one

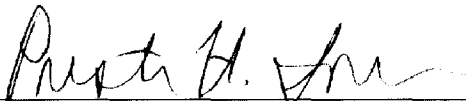
Total Recordal Fee Enclosed: ..... \$40.00

(7) **Date(s) The Document Was Executed: May 2, 2001**

To the best of my knowledge and belief, the foregoing information is true and correct, and if the attached is not an original document, the undersigned verifies that it is a true copy of the original.

If, for some reason, Applicant has not paid a sufficient fee, please charge our Deposit Account No. 02-2712 for any further fees that may be due. A duplicate copy of this document is enclosed.

Respectfully submitted,

By: 

Robert S. Nolan  
Reg. No. 30,667  
Preston H. Smirman  
Reg. No. 35,365  
Attorneys for Applicant

Date: August 21, 2001

**ASSIGNMENT**

WHEREAS, I, Gang Liu, residing at 41811 Ridge Road East, Novi, Michigan (hereinafter referred to as Assignor), have invented a new and useful invention entitled:

**HIGH-EFFICIENCY H-BRIDGE CIRCUIT AND METHOD USING SWITCHED AND LINEAR STAGES**

set forth in an application for Letters Patent of the United States filed on March 19, 2001 under Serial No. Serial No. 09/813,078, and

WHEREAS, **ANALOG TECHNOLOGIES, INC.**, (hereinafter referred to as Assignee), a corporation of the State of Michigan, having a place of business at 23399 Commerce Drive, Suite B-4, Farmington Hills, Michigan 48335, is desirous of acquiring the entire right, title and interest in and to said invention and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00), and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Assignor has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto the Assignee, its successors, legal representatives and assigns, his entire right, title and interest in and to the above-mentioned invention, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and to any and all divisions, continuations, and continuations-in-part of said application, or reexaminations, reissues or extensions of said Letters Patent or Patents, and all rights under International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the Assignor, had this sale and assignment not been made.

AND for the same consideration, the Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives and assigns, that the Assignor will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said invention, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said invention in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patents, or any reexamination, reissue or extension of any Letters Patents, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to the Assignee, its successors, legal representatives and assigns, but at the cost and expense of the Assignee, its successors, legal representatives and assigns.

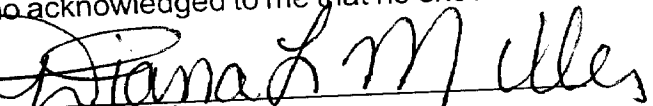
The Assignor hereby requests the Commissioner of Patents and Trademarks to issue his entire right, title and interest to said Letters Patents of the United States to the Assignee for the sole use and benefit of the Assignee, its successors, legal representatives and assigns.

Signed at Novi, in the County of Oakland, State of Michigan, this 2 day of May, 2001.

  
\_\_\_\_\_  
GANG LIU

State of Michigan }  
County of Oakland } ss.

On this 2 day of May, 2001, before me personally appeared the foregoing individual, who executed the foregoing instrument and who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

  
\_\_\_\_\_  
Notary Public

DIANA L. MILLER  
Notary Public, Oakland County, MI  
My Commission Expires 09/08/2002

(seal)

**PATENT**