

**KOLISCH  
HARTWELL  
DICKINSON  
MCCORMACK  
& HEUSER**

A Professional Corporation

PATENT, TRADEMARK  
& COPYRIGHT ATTORNEYS

Peter E. Heuser  
David P. Cooper  
Pierre C. Van Rysseberghe  
Walter W. Karnstein  
Charles H. DeVoe  
David S. D'Ascenzo  
Owen W. Dukelow  
James R. Abney, Ph.D.  
Mark D. Alleman  
M. Matthews Hall, Ph.D.  
Christopher S. Tuttle  
B. Anna McCoy  
David F. Hall  
Ellen M. Gonzales  
Paul W. Churilla  
Jason C. Creasman  
Thomas A. Dougherty

Patent Agents:  
Anton E. Skaugset, Ph.D.  
Stan M. Hollenberg, Ph.D.  
Technical Consultant:  
David M. Sheehan, Ph.D.

Of Counsel:  
J. Pierre Kolisch  
Jon M. Dickinson  
John M. McCormack  
M. H. Hartwell 1927-2000

\* CA Bar Only  
† OR & CA Bars  
‡ CA, CA & ID Bars  
• OR, CA & WA Bars

OREGON ☒  
200 Pacific Building  
520 S.W. Yamhill St.  
Portland, OR 97204  
Telephone: 503/224-6655  
Facsimile: 503/295-6679

CALIFORNIA ☐  
260 Sheridan Ave., Ste. 200  
Palo Alto, CA 94306-2009  
Telephone: 650/325-8673  
Facsimile: 650/325-5076

IDAHO ☐  
101 S. Capitol Blvd., Ste. 500  
Boise, ID 83702  
Telephone: 208/384-9166  
Facsimile: 208/384-9169

info@khdmh.com  
www.khdmh.com

1/28/02

02-11-2002



101979448

J1046 U.S. PTO  
10/059945  
01/28/02

January 28, 2002

Box ASSIGNMENT  
Assistant Commissioner for Patents  
Washington, D.C. 20231

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

Sir:

10/059945

Enclosed for recordation in the records of the U.S. Patent and  
Trademark Office is an original document with particulars as follows:

(1) Name of conveying party:

John George Maneatis

(2) Name and address of receiving party:

True Circuits, Inc.  
4962 El Camino Real, Suite 206  
Los Altos, California 94022

(3) The nature of the conveyance is an Assignment which was on  
January 28, 2002.

(4) This document is being filed with a new patent application,  
which was signed by the first named inventor on January 28, 2002.

[Handwritten signature]

**PATENT  
REEL: 012552 FRAME: 0683**

(5) Any and all correspondence concerning this document should be addressed and mailed to the following:

Christopher S. Tuttle, Esq.  
Kolisch, Hartwell, Dickinson, McCormack & Heuser  
520 S.W. Yamhill Street, Suite 200  
Portland, Oregon 97204

(6) The total number of patent applications involved in this conveyance is one.

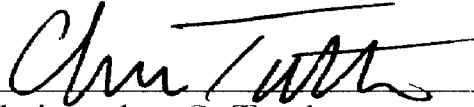
(7) Our check in the amount of \$812.00 to cover the filing fee and recordation fee is enclosed, in accordance with 37 C.F.R. § 3.41.

(8) Please charge our Deposit Account No. 11-1540 for any additional fees which may be required.

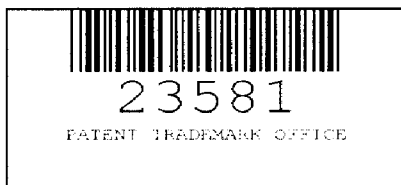
(9) To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Respectfully submitted,

KOLISCH, HARTWELL, DICKINSON,  
McCORMACK & HEUSER



Christopher S. Tuttle  
Registration No. 41,357  
200 Pacific Building  
520 S.W. Yamhill Street  
Portland, Oregon 97204  
Telephone: (503) 224-6655  
Facsimile: (503) 295-6679  
of Attorneys for Applicant



TOTAL NUMBER OF PAGES  
COMPRISING THIS COVER SHEET: (4)

Our File -- TCU 324

**PATENT**  
**REEL: 012552 FRAME: 0684**

## ASSIGNMENT

WHEREAS, I, John George Maneatis, of Redwood City, County of San Mateo, State of California, respectively, have invented certain improvements in PHASE-LOCKED LOOP WITH CONDITIONED CHARGE PUMP OUTPUT, for which I have executed an application for Letters Patent of the United States on the date I executed this Assignment as hereinafter set forth.

WHEREAS, True Circuits, Inc., a Delaware corporation, having its principal place of business in Los Altos, County of Santa Clara, and State of California, is desirous of acquiring an interest therein:

NOW, THEREFORE, for consideration in other good and valuable consideration, the receipt of which is hereby acknowledged, I the said John George Maneatis have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said True Circuits, Inc., the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefore in the United States and its territorial possessions in any and all foreign countries and in and to any and all divisions, reissues, continuations and extensions thereof.

I hereby authorize and request the Patent Office officials in the United States and any and all foreign countries to issue any and all of said Letters Patent, when granted, to the said True Circuits, Inc., as the assignee of my entire right, title and interest in and to the

same, for the sole use of the said True Circuits, Inc., its successors and assigns.

Further, I agree that I will communicate to the said True Circuits, Inc., or its representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to the said True Circuits, Inc., make all rightful oaths and generally do everything possible to aid the said True Circuits, Inc., its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 28 day of January, 2002.

John George Maneatis  
John George Maneatis

Witness: Stephen George Maneatis

Stephen George Maneatis  
(Name)

211 Lakeview Way  
(Address)

Redwood City, CA 94062  
(City, State)