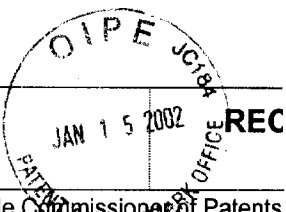


1.15.02



01-24-2002



ET

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

FORM PTO-1595 1-31-92

Docket No. 254/063

101962599

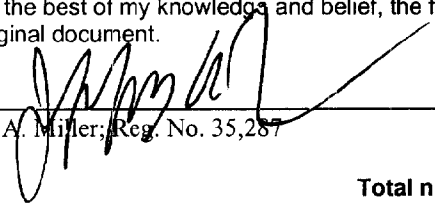
To the Honorable Commissioner of Patents, U.S. Patent and Trademark Office

1. Name of conveying party(ies): Michael R. Butts Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party: Name: Quicktorn Design Systems, Inc. Internal Address: _____ City: _____ State: _____ Zip: _____ Street Address: <u>2655 Seely Avenue Building 11</u> City: <u>San Jose</u> State <u>CA</u> 95134 Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: <u>October 23, 2001</u>			
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): <u>09/570,142</u> B. Patent No(s): _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Jeffrey A. Miller</u> Internal Address: LYON & LYON LLP 633 West Fifth Street, Suite 4700 Los Angeles, CA 90071-2066		6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 3.41): \$ 40.00 <input checked="" type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Charge this Deposit Account if any additional fee is required 8. Deposit Account Number: <u>12-2475</u>	

DO NOT USE THIS SPACE

9. Statement and signature:

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.



Jeffrey A. Miller, Reg. No. 35,287

Date: October 29, 2001

Total number of pages including cover sheet: 4

OMB No. 0651-0011 (exp. 4/94)

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:
Director — U.S. Patent and Trademark Office
Box Assignments
Washington, D.C. 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project, (0651-0011), Washington, D.C. 20503

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, I, MICHAEL R. BUTTS, a citizen of the UNITED STATES OF AMERICA, residing at 2734 NE 49th Avenue, Portland Oregon 97213, (hereinafter referred to as "ASSIGNOR"), have jointly invented a certain invention entitled EMULATION CIRCUIT WITH A HOLD TIME ALGORITHM LOGIC ANALYZER AND SHADOW MEMORY for which application for Letters Patent of the United States of America has been filed on May 12, 2000, assigned Serial No. 09/570,142; and

WHEREAS, **QUICKTURN DESIGN SYSTEMS, INC.**, a corporation organized and existing under and by virtue of the laws of the **STATE OF DELAWARE** and having its place of business at **2655 Seely Avenue, San Jose, CA 95134** (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the exclusive right, title and interest in, to and under said invention and in, to and under any Patent or similar legal protection to be obtained therefor in the United States of America, its territorial possessions and in any and all countries foreign thereto.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby sells, assigns, transfers and sets over unto the said ASSIGNEE, its successors and assigns, the full and exclusive right, title and interest to said invention and to all Letters Patent or application or similar legal protection, not only in the United States and its territorial possessions, but in all countries foreign thereto to be obtained for said invention by said application, and to any continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in the United States or a foreign country for the full term or terms for which the same may be granted, including all priority rights under the International Convention; and ASSIGNOR hereby authorizes and request the United States Commissioner of Patents and

Trademarks and any officials of foreign countries whose duty it is to issue patents or any legal equivalent thereof to said ASSIGNEE, its successors and assigns, in accordance with this Assignment.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Agreement;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents in the United States or in any foreign country, which may be necessary or desirable to carry out the purposes thereof.

WITNESS my hand at Portland

Oregon, this 23rd day of October, 2001

[Handwritten Signature]
Michael R. Butts

STATE OF OREGON)
) ss
COUNTY OF Washington)

On 10/23/2001 before me, Laurie Shepherd JAS 10/23/01
~~Michael Butts~~, personally appeared
Michael Butts

personally known to me - OR - proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[Handwritten Signature: Laurie Ann Shepherd]
Notary Public in and for said County and State

