

11-05-2003

Attorney Docket No.

Form PTO-1595 (Rev. 10-02)

10-28-03

Rec



U.S. Department of Commerce U.S. Patent and Trademark Office

102592464

Tab settings

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof

1. Name of conveying party(ies):

ROBERT BRUCE

2. Name and address of receiving party(ies)

Name: CISCO TECHNOLOGY, INC.

Internal Address:

Street Address:

170 WEST TASMAN DRIVE

City: SAN JOSE

State: CA

ZIP: 95134

Additional name(s) of conveying party(ies) attached? Yes No.

3. Nature of conveyance:

- Assignment, Merger, Security Agreement, Change of Name, Other

Execution Date: OCTOBER 24, 2003

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s).

10696225

If this document is being filed together with a new application, the execution date of the application is: OCTOBER 24, 2003

A. Patent Application No(s): UNASSIGNED

B. Patent No(s):

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: GARY T. AKA RITTER, LANG & KAPLAN LLP 12930 Saratoga Avenue, Suite D1 Saratoga, California 95070 (408) 446-8690

6. Total number of applications and patents involved 1

7. Total fee (37 CFR 3.41): -----\$40.00

- Enclosed, Authorized to be charged to deposit account

8. Deposit account number: 50-1652

(Attach duplicate copy of this page if paying by deposit account)

10/31/2003 FFANAEIA 0000063 10696225 02 FC:8021 40.00 DF

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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.

GARY T. AKA Name of Person Signing Atty. Reg. No. 29,038

Signature

OCTOBER 28, 2003 Date

Total number of pages including cover sheet, attachments, and documents: 3

Mail documents to be recorded with required cover to: Commissioner of Patents and Trademarks, Box Assignments Washington, D.C. 20231

ASSIGNMENT OF PATENT APPLICATION

(Accompanying Application)

Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set forth in the patent application entitled:

MICROWAVE SIGNAL EDGE DETECTOR CIRCUIT FOR IMPROVED CLOCK RECOVERY

(Atty. Docket No.: CISC820) for which I (we) have executed an application for a United States Letters Patent.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We the undersigned inventor(s) hereby:

- 1) Sell(s), assign(s) and transfer(s) to **CISCO TECHNOLOGY, INC.**, a **CALIFORNIA** corporation having a place of business at 170 W. TASMAN DRIVE, SAN JOSE, CALIFORNIA 95134, (hereinafter referred to as "ASSIGNEE"), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative and applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

1) **Signature:** Robert L. Bruce **Date:** 27 Oct 2003
Typed Name: ROBERT BRUCE

State of California)

(notary)SS:

County of Sonoma)

Before me personally appeared said Robert Lee Bruce
and acknowledged the foregoing instrument to be his/her free act and deed this
24th day of October, 2003.

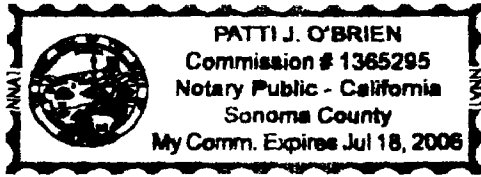
Patricia J. O'Brien

Atty Docket No.: CISC820
Client Ref. No.: 6382

PATENT
REEL: 014649 FRAME: 0270

Seal

(Notary Public)



Atty Docket No.: CISCP820
Client Ref. No.: 6382

RECORDED: 10/28/2003

PATENT
REEL: 014649 FRAME: 0271