

MRD 11.3.99

11-12-1999

PATENT RECORD
COVER SHEET

101198874

Attorney Docket No.
V44.12-0131JC675 U.S. PTO
09/433177
11/03/99

To the Commissioner for Patents: Please return

a true copy thereof.

1. Name of conveying party(ies):

- (1) Tuan V. Ngo
(2)
(3)

Additional name(s) of conveying party(ies) attached? [] Yes [X] No

3. Nature of Conveyance:

- [X] Assignment [] Merger [] Security Agreement
[] Change of Name [] Other _____

Execution Date: October 28, 1999

2. Name and address of receiving party(ies):

Name: VTC Inc.

Internal Address: _____

Street Address: 2800 East Old Shakopee RoadCity: Bloomington, State: MN ZIP 55425-1350

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

4A. Application No.(s)

09/433177

If this document is being filed together with a new application, the execution date(s) of the application is: October 28, 1999

Additional numbers attached? [] Yes [X] No

4B. Patent No.(s)

Additional numbers attached? [] Yes [X] No

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

Name: Robert M. Angus
Street Address: Kinney & Lange, P.A.,
312 South Third Street
City: Minneapolis State: MN ZIP 55415-1002

6. Total number of applications and patents involved: [1]

7. Total fee (37 C.F.R. 3.41):.....\$ 40.00

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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.

Robert M. Angus
Robert M. Angus

November 3, 1999
Date

Total number of pages including cover sheet, attachments and document: [2]

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PATENT
REEL: 010365 FRAME: 0834

ASSIGNMENT

Attorney Docket No.

(PROVISIONAL AND NONPROVISIONAL APPLICATIONS)

V44.12-0131

First Named Inventor : Tuan V. Ngo

Title : IMPEDANCE PSEUDO-MATCHED WRITE DRIVER

WHEREAS, I, Tuan V. Ngo, of Eden Prairie, Minnesota, U.S.A , have invented certain new and useful improvements as described in a non-provisional application entitled IMPEDANCE PSEUDO-MATCHED WRITE DRIVER for Letters Patent of the United States, the application having been executed on even date herewith, and/or being identifiable in the United States Patent and Trademark Office by Application No. _____, filed _____; which claims priority from a provisional application entitled FLEX IMPEDANCE PSEUDO-MATCHED WRITE DRIVER identifiable in the United States Patent and Trademark Office by Application No. 60/144,496, filed July 19, 1999; and

WHEREAS, VTC Inc., a corporation organized and existing under the laws of the State of Minnesota, and having offices at 2800 East Old Shakopee Road, Bloomington, Minnesota 55425-1350, ("Assignee") is desirous of acquiring the entire right, title and interest in and to the invention, the provisional and non-provisional applications, and any and all Letters Patent or similar legal protection, foreign or domestic, to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I transfer to Assignee, its successors and assigns, my entire right, title and interest in and to the invention, the above-identified provisional and non-provisional applications, corresponding domestic and foreign applications, all Letters Patent or similar legal protection issuing thereon, and all rights and benefits under any applicable treaty or convention; and I authorize the Commissioner of Patents and Trademarks of the United States or foreign equivalent thereof to issue the Letters Patent or similar legal protection to the Assignee.

I authorize the Assignee, its successors and assigns, to insert in this instrument the filing date and application number of the non-provisional application when ascertained.

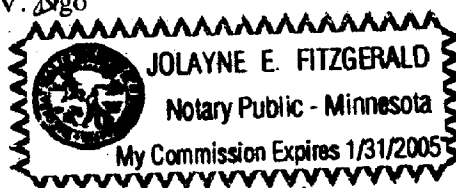
I authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries.

I represent to the Assignee, its successors and assigns, that I have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I, my executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries.

STATE OF MINNESOTA)
COUNTY OF HENNEPIN)

ss.

Tuan V. Ngo



Subscribed and sworn to before me, a Notary Public, this 28th day of October, 1997

Jolayne E. Fitzgerald
Notary Public

(SEAL)

RECORDED: 11/03/1999

PATENT
REEL: 010365 FRAME: 0835