

04-21-1999

**PATENT RECORD
COVER**



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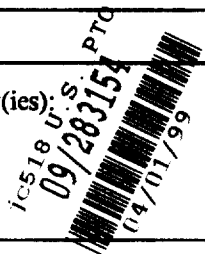
Attorney Docket No.
V44.12-0112

To the Commissioner for Patents: Please record the attached original document or copy thereof.

4.1.99

1. Name of conveying party(ies):
 (1) John A. Schuler
 (2) Craig M. Brannon
 (3)
 Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies):
 Name: VTC Inc.
 Internal Address: _____
 Street Address: 2800 East Old Shakopee Road
 City: Bloomington, State: MN ZIP 55425-1350
 Additional name(s) & address(es) attached? Yes No



3. Nature of Conveyance:
 Assignment Merger Security Agreement
 Change of Name Other _____
 Execution Date: March 31, 1999

4A. Application No.(s)
 If this document is being filed together with a new application, the execution date(s) of the application is: March 31, 1999
 Additional numbers attached? Yes No

4B. Patent No.(s)
 Additional numbers attached? Yes 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

Apr 1, 1999
 Date

Total number of pages including cover sheet, attachments and document: [3]

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ASSIGNMENT

Attorney Docket No.

(PROVISIONAL AND NONPROVISIONAL APPLICATIONS)

V44.12-0112

First Named Inventor : John A. Schuler

Title : PROGRAMMABLE DAMPING FOR WRITE CIRCUITS

WHEREAS, I, John A. Schuler, of Maplewood, Minnesota, U.S.A., and Craig M. Brannon, of Maplewood, Minnesota, U.S.A. have invented certain new and useful improvements as described in a non-provisional application entitled PROGRAMMABLE DAMPING FOR WRITE CIRCUITS 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 PROGRAMMABLE DAMPING FOR WRITE CIRCUITS identifiable in the United States Patent and Trademark Office by Application No. 60/080,798, filed April 6, 1998; and

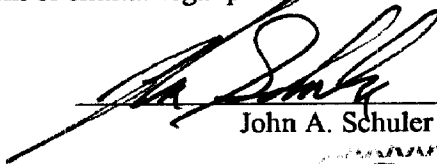
WHEREAS, VTC Inc., a corporation organized and existing under the laws of the State of Minnesota, and having offices at 2800 East Old Shakopee Road, Bloomington, Minnesota 55425-1350, ("Assignee") is desirous of acquiring the entire right, title and interest in and to the invention, the provisional and 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.

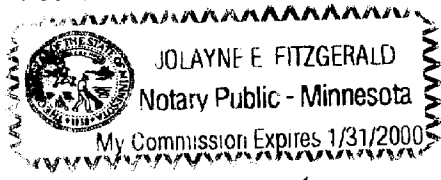
I authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries.

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.

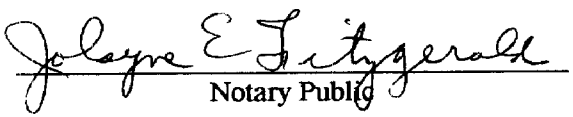


John A. Schuler

STATE OF MINNESOTA)
) ss.
COUNTY OF HENNEPIN)



Subscribed and sworn to before me, a Notary Public, this 31st day of March, 19 99



Notary Public

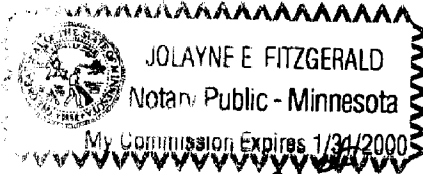
(SEAL)

Craig M. Brannon
Craig M. Brannon

STATE OF MINNESOTA
COUNTY OF HENNEPIN

)
)
)

ss.



Subscribed and sworn to before me, a Notary Public, this 31 day of March, 1999

Jolayne E. Fitzgerald
Notary Public

(SEAL)