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Form PTO 1595  
(Rev. 03/01)

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Patent and Trademark Office

OMB No. 0651-0027 (exp. 5/31/2002)

102682606

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

## 1. Name of conveying party(ies):

Thomas A. Knecht  
Stephane Michel  
Glen O. Reeser

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

Name: CTS Corporation

Street Address: 171 Covington Drive

City: Bloomingdale State: IL Zip: 60108-3107

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):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

B. Patent No.(s)

Application No. 10/693,251 filed October 24, 2003

Additional numbers attached? ☐ Yes ☒ No

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

Name: Edward L. Bishop  
Wallenstein Wagner & Rockey, Ltd.

Street Address: 311 S. Wacker Drive, 53rd Floor

City: Chicago State: IL Zip: 60606-6630

## 6. Total number of applications and patents involved: 1

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

☒ Enclosed Check No. 19945☐ Authorized to be charged to deposit account

8. Deposit account number: 23-0280

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

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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.*

Edward L. Bishop, Reg. No. 39,110

Name and Registration No. of Person Signing

Signature

Date

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

5

03/02/2004 01:00:01 5703 P 005

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## CERTIFICATE OF MAILING (37 C.F.R. § 1.8a)

I hereby certify that this correspondence is, on the date shown below, being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to: Mail Stop Assignments, Director of the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, Virginia 22313-1450, on

Feb. 25, 2004

Kathleen Rundquist  
/194968.1PATENT  
REEL: 015015 FRAME: 0805

## ASSIGNMENT

Application No. 10/693,251Filed: October 24, 2003

IN CONSIDERATION of one dollar and other good and valuable considerations, the receipt of which is hereby acknowledged, the entire right, title and interest in the invention or improvements of the undersigned in "Tuneable Frequency Translator" and in the application for Letters Patent of the United States therefor, executed by the undersigned concurrently herewith and in any reissue or extension of any Letters Patent that may be granted upon said application are hereby assigned by the undersigned to CTS Corporation, an Indiana corporation, and the successors, legal representatives and assigns of CTS Corporation, (hereinafter collectively called said Assignee), and the Commissioner of Patents is hereby authorized and requested by the undersigned to issue said Letters Patent to said Assignee.

FOR SAID CONSIDERATIONS it is hereby agreed by the undersigned, upon the request of said Assignee, to execute any necessary and proper oaths or affidavits relating to said application or required for the filing or prosecution of any Divisional, Continuation or Continuation-In-Part application thereof or for the filing or prosecution of any application for the reissue or extension of any Letters Patent that may be granted on said invention or improvements that said Assignee may deem necessary or expedient, and for the said consideration it is further agreed by the undersigned, upon the request of said Assignee, in the event of said application or any division thereof, or Letters Patent issued thereon, or any reissue or application for the reissue thereof, becoming involved in interference, to cooperate to the best of the ability of the undersigned with said Assignee in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, and further to perform, upon such request, any and all affirmative acts to obtain said Letters Patent and vest all rights therein hereby conveyed in the said Assignee as fully and entirely as the same would have been held and enjoyed by the undersigned if this Assignment and sale had not been made. And for the said considerations the entire right, title and interest in said invention or improvements, including all priority rights, and the right to claim priority rights and the privileges and benefits thereof, including those under the International Convention, and all other conventions, and the right to file applications for patent in said Assignee's own name for said invention or improvements in each and every country of the world are hereby Assigned and granted by the undersigned to said Assignee. It is further agreed by the undersigned, upon the request of said Assignee, to execute any and all documents that shall be required of the undersigned to be executed in connection with any and all applications for foreign letters patent therefor, including the prosecution thereof, and to execute any and all documents necessary to invest title in said foreign applications and patents in said Assignee. The attorneys of record in said application for patent are hereby authorized and requested by the undersigned to insert in this Assignment the date and Serial Number thereof in the places provided therefor.

WITNESS our hand and seal

<p>Date <u>10-24-03</u></p> <p>Signature: <u>Thomas A. Knecht</u></p> <p>Thomas A. Knecht, Inventor</p> <p>Subscribed and sworn before me, this <u>24th</u> day of <u>October</u>, 2003</p> <p><u>Joan C. Ramm</u></p> <p>Notary Public</p> <p><b>OFFICIAL SEAL</b> JOAN C. RAMM NOTARY PUBLIC, STATE OF ILLINOIS MY COMMISSION EXPIRES: 12/16/05</p>	<p>Date <u>10-24-03</u></p> <p>Signature: <u>Stephane Michel</u></p> <p>Stephane Michel, Inventor</p> <p>Subscribed and sworn before me, this <u>24th</u> day of <u>October</u>, 2003</p> <p><u>Joan C. Ramm</u></p> <p>Notary Public</p> <p><b>OFFICIAL SEAL</b> JOAN C. RAMM NOTARY PUBLIC, STATE OF ILLINOIS MY COMMISSION EXPIRES: 12/16/05</p>
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WITNESS our hand and seal

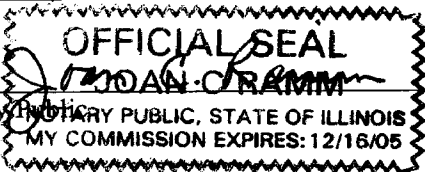
Date 10-24-03

Signature:

Glen Reeser

Glen O. Reeser, Inventor

Subscribed and sworn before me,  
this 24th day of October, 2003



Notary Public, STATE OF ILLINOIS  
MY COMMISSION EXPIRES: 12/16/05

Date \_\_\_\_\_

Signature:

\_\_\_\_\_  
Inventor

Subscribed and sworn before me,  
this \_\_\_\_\_ day of \_\_\_\_\_, 2003

\_\_\_\_\_  
Notary Public

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