

*12.08.99*

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

1. Name of conveying party(ies):

Sudhakar Puttagunta  
Kushal K. Bhattacharjee

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

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

Execution Date: Puttagunta - 11/16/99; Bhattacharjee-12/22/99

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

Name: CTS Corporation

Internal Address: \_\_\_\_\_

Street Address: 905 West Boulevard North

City: Eklhart State: IN ZIP: 46514-1899

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

JCS42 U.S. PTO  
09/473392  
12/28/99

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

*09/473392*

If this document is being filed together with a new application, the execution date of the application is: Puttagunta - 11/16/99; Bhattacharjee-12/22/99

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: JAMES C. KESTERSON

Internal Address: JONES, DAY, REAVIS & POGUE

P.O. Box 660623

Street Address: \_\_\_\_\_

City: DALLAS State: TEXAS ZIP: 75266-0623

6. Total Number of applications and patents involved: ONE (1)

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

Enclosed

Authorized to be charged to deposit account

8. Deposit account number:

50-0566

(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.*

JULIE RUSSELL

Name of Person Signing

*Julie Russell*  
Signature

12/28/99

Date

Total number of pages including cover sheet, attachments and document: 4

## ASSIGNMENT

WHEREAS, we, **Sudhakar Puttagunta**, residing at **B.C.M. Road, Paloncha, Andhra Pradesh, India 50711** and **Kushal K. Bhattacharjee**, residing at **9158 E. Topeka Drive, Scottsdale, Arizona 85255**, have made an invention in a

### WIDE-BAND SINGLE-PHASE UNIDIRECTIONAL TRANSDUCER

described in a patent application executed by us on even date herewith; and

WHEREAS, **CTS Corporation**, a corporation organized and existing under the laws of Indiana and having its principal place of business at 905 West Boulevard North, Elkhart, Indiana 46514-1899, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefor in the United States and in any and all foreign countries.

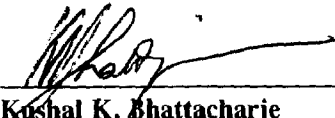
NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, we do hereby sell, assign, and transfer unto said **CTS Corporation**, its successors and assigns, the entire right, title and interest in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any applications filed in any foreign country based thereon, including the right to file said foreign applications and to claim priority under the provisions of the International Convention; also any improvements on said invention or inventions now or hereafter made by us during the period of our employment; also the entire right, title and interest in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention, inventions, or improvements and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention, inventions, or improvements in this or any foreign country, and we hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said **CTS Corporation**, as assignee of the entire interest.

We do hereby agree for ourselves and for our heirs, executors, and administrators to execute any lawful document and to testify as to any material fact or thing which **CTS Corporation**, its successors and assigns, may deem necessary in order to secure unto itself its successors and assigns the full right, title and interest in and to the full enjoyment of said invention or any part thereof and the said Letters Patent or any of them, the same to be done without any further consideration.



\_\_\_\_\_,  
**Sudhakar Puttagunta**

\_\_\_\_\_, 1999  
Date

  
\_\_\_\_\_  
**Kushal K. Bhattacharje**

December 22, 1999, 1999  
Date

STATE OF \_\_\_\_\_ )  
  ) ss:  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_ day of \_\_\_\_\_, 1999, before me personally appeared **Sudhakar Puttagunta** to me personally known, and known to me to be the person who signed the foregoing assignment, and acknowledged the signing of same as his free act and deed.

\_\_\_\_\_  
NOTARY PUBLIC

STATE OF Arizona )  
  ) ss:  
COUNTY OF Maricopa )

On this 22<sup>nd</sup> day of December, 1999, before me personally appeared **Kushal K. Bhattacharje** to me personally known, and known to me to be the person who signed the foregoing assignment, and acknowledged the signing of same as his free act and deed.

  
\_\_\_\_\_  
NOTARY PUBLIC

