

11-18-1998



Docket No.: CTS-1842

PATENT APPLICATION

100901229

FORM COVER SHEET

PATENTS ONLY

11-10-98
09/189592
11/10/98

To the Honorable Commissioner of Patents and Trademarks:

Please record the attached original documents or copy thereto:

1. Name of conveying party(ies):

Name: Terry R. Bloom, Richard O. Cooper and Robert L. Reinhard

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

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

Name: CTS Corporation
Attn: Cheri L. Howe
905 West Boulevard North
Elkhart, IN 46514

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

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: November 3 and 9, 1998

4. Application number(s) or patent number(s): If the document is being filed together with a new application, the execution date of the application is: 11/10/98

A. Patent Application No(s). N/A
B. Patent No(s). N/A
Additional numbers attached? ☐ Yes ☒ No

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

Name: CTS Corporation
Attn: Cheri L. Howe
905 West Boulevard North
Elkhart, IN 46514

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: 03-1677 (Attached duplicate copy of this page)

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.

Mark P. Bourgeois
Name of Person Signing
Reg. No. 37,782

[Signature]
Signature

11/10/98
Date

Total number of pages comprising cover sheet: [1]

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FORM PTO-1594

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PATENT
REEL: 9581 FRAME: 0583

ASSIGNMENT

WHEREAS, we, Terry R. Bloom of the City of Middlebury, County of Elkhart; Richard O. Cooper of the City of Bluffton, County of Wells; and Robert L. Reinhard of the City of Berne, County of Adams; and all from the State of Indiana, have made a certain new and useful invention entitled "Ball Grid Array Capacitor" for which we are making application for Letters Patent of the United States, which application is being duly executed by us on the 10th day of November, 1998.

WHEREAS, we, the said inventors, are the owner of the entire right, title and interest in and to said invention and said application; and

WHEREAS, CTS CORPORATION, a corporation duly organized under the laws of the State of Indiana and doing business at the City of Elkhart, in the County of Elkhart and State of Indiana, is desirous of acquiring the full and exclusive right, title and interest which we have or may have in and to said invention and said application, including any continuation and any division of said application, and any Letters Patent of the United States and of foreign countries that may be granted for said invention, and any renewal, any reissue and any extension of any such Letters Patent;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

Be it known that for good and valuable consideration, we do hereby sell, assign, transfer and set over unto the said CTS CORPORATION all the right, title and interest which we have or may have in and to said invention and said application and any Letters Patent of the United States and of foreign countries that may be granted for said invention and any renewal, any reissue and any extension of any such Letters Patent; the same to be held and enjoyed by said CTS CORPORATION, its successors, legal representatives and assigns, as fully and entirely as the same would have been held and enjoyed by us if this assignment had not been made; and we hereby covenant and warrant that we have the full right to convey the entire interest herein assigned and that we have not executed and will not execute any instrument purporting to convey, mortgage, lease or otherwise transfer all, or any part of said interest, to anyone other than said CTS CORPORATION, its successors, legal representatives and assigns.

We authorize and request the Commissioner of Patents of the United States to issue any Letters Patent which may be granted upon the aforesaid application or applications to CTS CORPORATION.

And, for the above consideration, we hereby covenant and agree that we will, at the request of said CTS CORPORATION, its successors, legal representatives and assigns, execute any and all renewal, continuation and divisional applications, both United States and foreign, for Letters Patent for said invention; and any and all applications for the renewal, the reissue and the extension of any Letters Patent, both United States and foreign, that may be granted for said invention and do any and all other and further acts to obtain any such Letters Patent, and any renewal, any reissue and any extension of the same that said CTS CORPORATION, its successors, legal representatives and assigns may deem necessary or expedient, without further compensation, but at the expense of said CTS CORPORATION, its successors, legal representatives and assigns.

IN WITNESS WHEREOF, we have hereunto set our hand and seal this 3rd & 9th day
of November, 1998.

Terry R. Bloom
Terry R. Bloom

Richard O. Cooper
Richard O. Cooper

Robert L. Reinhard
Robert L. Reinhard

STATE OF INDIANA)
)SS
COUNTY OF ADAMS)

I, Myrtle I. Steiner, Notary Public in and for said County, in the State
aforesaid, do hereby certify that Richard O. Cooper and Robert L. Reinhard, personally known
to me to be the same persons whose names are subscribed to in the foregoing instrument,
appeared before me this day in person and acknowledged that they signed, sealed and
delivered such instrument as their free and voluntary act for the uses and purposes set forth.

GIVEN under my hand and Notarial Seal this 3rd day of November, 1998.

Myrtle I. Steiner

Notary Public

MYRTLE I. STEINER, NOTARY PUBLIC
My commission expires November 1, 1999

(NOTARIAL SEAL)

STATE OF INDIANA)
)SS
COUNTY OF ELKHART)

I, KATHRYN J. DILLER, Notary Public in and for said County, in the State
aforesaid, do hereby certify that Terry R. Bloom, personally known to me to be the same
person whose name is subscribed to in the foregoing instrument, appeared before me this day
in person and acknowledged that he signed, sealed and delivered such instrument as his free
and voluntary act for the uses and purposes set forth.

GIVEN under my hand and Notarial Seal this 9th day of November, 1998.

Kathryn J. Diller
Notary Public

(NOTARIAL SEAL)

KATHRYN J. DILLER
NOTARY PUBLIC STATE OF INDIANA
ELKHART COUNTY
MY COMMISSION EXP. JULY 29, 1999

PATENT

RECORDED: 11/10/1998

REEL: 9581 FRAME: 0585