

05-19-2003



To the Honorable  
Please record the attached original documents or copy thereof.

102450750

Patents:

1. Name of conveying party(ies):

1. Roger L. Thrush
2. Robert D. Irlbeck

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

Tyco Electronics Corporation  
2901 Fulling Mill Road  
Middletown, PA 17057

S-9-03

3. Nature of conveyance: ASSIGNMENT

Execution Date: May 7, 2003

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

10434832

If this document is being filed together with a new application, the execution date of the application is: May 7, 2003

A. Patent Application No.(s):

B. Patent No.(s):

Filing Date:

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

Driscoll A. Nina  
The Whitaker Corporation  
4550 New Linden Hill Road  
Suite 140  
Wilmington, DE 19808-2952

6. Total number of applications and patents involved: 1


7. Total fee (37 CFR 3.41) \$40  
AUTHORIZED TO BE CHARGED TO  
DEPOSIT ACCOUNT

8. Deposit Account #23-1950

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.

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

  
Joseph A. Tessari  
Registration No. 32177  
Attorney for Applicant(s)  
Phone: (302) 633-3566  
Date: May 7, 2003

Express Mail No. EV328884021US  
Docket No. 17887

1046 U.S. PTO  
10/434832  
05/09/03

05/16/2003 6TON11 00000102 231950 10434832  
01 FC:8021 40.00 CH

RD  
RST

Docket No. 17887

ASSIGNMENT

I/We, Roger L. Thrush and Robert D. Irlbeck  
who reside at

6985 Lanvale Court, Clemmons, NC 27012;  
5605 Greenlee Road, Greensboro, NC 27410

have made certain inventions or discoveries (or both) set forth  
in an application for Letters Patent of the United States of  
America entitled

LOW NOISE RELAY

which application was executed by the inventor on the date of  
execution of this assignment, and is identified by Attorney  
Docket Number 17887,

and Tyco Electronics Corporation

whose address is 2901 Fulling Mill Road, Middletown, PA 17057

and which, together with its successors and assigns is  
hereinafter called "Assignee", is desirous of acquiring the  
title, rights, benefits and privileges hereinafter recited, and  
of confirming the same or any part thereof heretofore acquired  
by Assignee.

Now, therefore, for valuable consideration furnished by  
Assignee to me/us, receipt and sufficiency of which I/we hereby  
acknowledge, I/we hereby, without reservation:

1. Assign and convey to and confirm in Assignee the  
entire right, title and interest in and to said inventions and  
discoveries, said application for Letters Patent of the United  
States of America, any and all other applications for Letters  
Patent on said inventions and discoveries in whatsoever  
countries, including all divisional, renewal, substitute,  
continuation and Convention applications based in whole or in  
part upon said inventions or discoveries or upon said  
applications, and any and all Letters Patent and reissues and  
extensions of Letters Patent granted for said inventions and  
discoveries or upon said applications, and every priority right  
that is or may be predicated upon or arise from said inventions,  
said discoveries, said applications and said Letters Patent;

2. Authorize Assignee to file patent applications in any  
or all countries on any or all of said inventions and  
discoveries in my/our name(s) or in the name of Assignee or  
otherwise as Assignee may deem advisable, under the  
International Convention or otherwise;

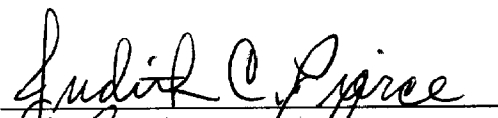
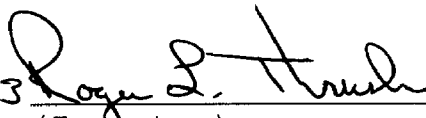
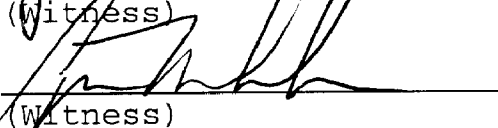
3. Authorize and request the Commissioner of Patents of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;



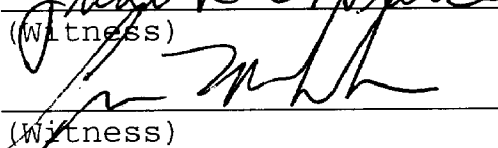
4. Warrant that I/we have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that I/we have good right to assign the same to Assignee without encumbrance;

5. Bind my/our heirs and legal representatives, as well as myself/ourselves, to do, upon Assignee's request and at its expense, but without additional consideration to me/us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me/us or my/our heirs or representatives if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me/us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in my/our control or in the control of my/our heirs or legal representatives and which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

The effective date of this instrument is the latest date accompanying signature(s), hereinbelow.

In testimony whereof I/we have affixed my/our signature(s).

|   |                           |  |                           |
|---|---------------------------|--|---------------------------|
| <br>(Witness) | <u>05-07-03</u><br>(Date) | <br>(Inventor) | <u>05/07/03</u><br>(Date) |
| <br>(Witness) | <u>5/7/03</u><br>(Date)   | Roger L. Thrush  |                           |

|   |                           |  |                            |
|---|---------------------------|--|----------------------------|
| <br>(Witness) | <u>05-07-03</u><br>(Date) | <br>(Inventor) | <u>07 MAY 03</u><br>(Date) |
| <br>(Witness) | <u>5/7/03</u><br>(Date)   | Robert D. Irlbeck  |                            |