

10-27-2004

REC



102868193

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

Thomas E. Miller (10/18/2004) and David E. Schafer (10/18/2004)

Execution Date(s): in parentheses after inventor name

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

2. Name and address of receiving party(ies)

Name: KNOWLES ELECTRONICS, LLC

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

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

1151 Maplewood Drive

City: Itasca

State: Illinois

Country: United States of America Zip: 60143

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

17548 U.S. PTO  
10/967959

101804

3. Nature of Conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other \_\_\_\_\_

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

This application

B. Patent No.(s)

10-18-04

Additional numbers attached?  Yes  No

10967959

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

Name: Michael R. Hull  
MARSHALL, GERSTEIN & BORUN LLP  
Internal Address: Atty. Dkt.: 30521/3058  
Street Address: 233 S. Wacker Drive, Suite 6300  
Sears Tower

City: Chicago

State: IL Zip: 60606-6357

Phone Number: (312) 474-6300

Fax Number: (312) 474-0448

Email Address: \_\_\_\_\_

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number \_\_\_\_\_  
Authorized User Name \_\_\_\_\_

9. Signature:

Signature

Michael R. Hull - 35,902

Name of Person Signing

October 18, 2004

Date

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

3

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV323768942US, in an envelope addressed to: MS Assignment Recordation Services, Director of the US Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: October 18, 2004

Signature: (Richard Zimmermann)

ASSIGNMENT

Serial No: To be assigned
Filed: October 18, 2004
Title: APPARATUS FOR CREATING MOTION AMPLIFICATION IN A TRANSDUCER WITH IMPROVED LINKAGE STRUCTURE

For good and sufficient consideration, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assign to KNOWLES ELECTRONICS, LLC, 1151 Maplewood Drive, Itasca, Illinois 60143 (hereinafter "Assignee"), its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, executed by the undersigned on, October 18, 2004 and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension thereof.

The undersigned hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned hereby authorize and request the attorneys of record in said application to insert in this assignment the execution date and/or filing date and serial number of said application when officially known.

The undersigned warrant themselves to be the owners of the interest herein assigned and to have the right to make this assignment and further warrant that there are no outstanding prior assignments, licenses, or other rights in the interest herein assigned.

For said consideration the undersigned hereby agree, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation, continuation-in-part and substitute applications for said invention or improvements, and any necessary oath or affidavit relating thereto and any application for the reissue or extension of any Letters Patent that may be granted upon said application, and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns, may deem necessary or expedient, and for the aforesaid consideration the undersigned further agree upon the request of said assignee, its successors or assigns, in the event of any application or Letters Patent assigned herein becoming involved in Interference, to cooperate to the best of the ability of the undersigned with said assignee, its successors or assigns, in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, the undersigned hereby agreeing to perform, upon request, any and all affirmative acts to obtain said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in said assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by said assignee, its successors and assigns, to the full term of the term for which said Letters Patent may be granted 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.

MARSHALL, GERSTEIN & BORUN LLP, 233 S. Wacker Drive, Suite 6300, Sears Tower, Chicago, Illinois 60606-6357

WITNESS our hands this

18th day of October, 2004

State of Illinois  
County of DuPage

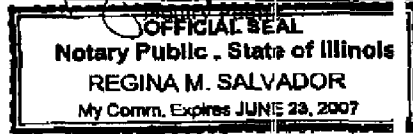
Thomas E. Miller  
Thomas E. Miller

On this 18th day of October, 2004, before me, a Notary Public in and for the County and State aforesaid, appeared, to me personally known to be the same persons whose names are subscribed to the foregoing instrument, and acknowledged that they executed said instrument as their free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the same day and year last above given.

My Commission Expires:

June 23, 2007 Regina M. Salvador



WITNESS our hands this

18th day of October, 2004

State of Illinois  
County of DuPage

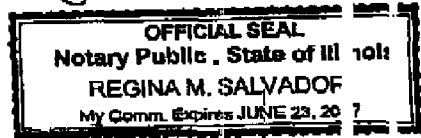
David Earl Schafer  
David Earl Schafer

On this 18th day of October, 2004, before me, a Notary Public in and for the County and State aforesaid, appeared, to me personally known to be the same persons whose names are subscribed to the foregoing instrument, and acknowledged that they executed said instrument as their free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the same day and year last above given.

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June 23, 2007 Regina M. Salvador  
Notary Public



PATENT