

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
<b>CONVEYING PARTY DATA</b>									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>William A. Ryan</td> <td>10/09/2009</td> </tr> <tr> <td>Michael Abry</td> <td>10/09/2009</td> </tr> <tr> <td>Peter V. Loeppert</td> <td>10/12/2009</td> </tr> </tbody> </table>		Name	Execution Date	William A. Ryan	10/09/2009	Michael Abry	10/09/2009	Peter V. Loeppert	10/12/2009
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William A. Ryan	10/09/2009								
Michael Abry	10/09/2009								
Peter V. Loeppert	10/12/2009								
<b>RECEIVING PARTY DATA</b>									
Name:	Knowles Electronics, LLC								
Street Address:	1151 Maplewood Drive								
City:	Itasca								
State/Country:	ILLINOIS								
Postal Code:	60143								
<b>PROPERTY NUMBERS Total: 1</b>									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12577491</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12577491				
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Application Number:	12577491								
<b>CORRESPONDENCE DATA</b>									
Fax Number:	(312)277-2397								
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ATTORNEY DOCKET NUMBER:	8354/96989 (PO8006A)								
NAME OF SUBMITTER:	Timothy R. Baumann								

Total Attachments: 4  
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**PATENT  
 REEL: 023358 FRAME: 0689**

**CH \$40.00 12577491**

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ASSIGNMENT

We, **WILLIAM A. RYAN**, of Elgin, County of Kane and State of Illinois, **MICHAEL ABRY**, of Kildeer, County of Lake and State of Illinois, and **PETER V. LOEPPERT**, of Hoffman Estates, County of Cook and State of Illinois, for good and valuable consideration, receipt of which is hereby acknowledged, have assigned and do hereby assign to **KNOWLES ELECTRONICS, LLC**, an Illinois corporation, having its principal place of business at 1151 Maplewood Drive, Itasca, Illinois 60143, its successors, assigns and legal representatives, the entire right, title and interest, in and to all subject matter invented by us and disclosed in the application for Letters Patent of the United States entitled

## MICROPHONE HAVING MULTIPLE TRANSDUCER ELEMENTS

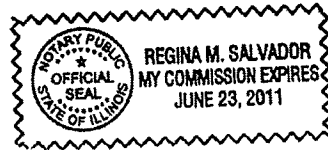
filed herewith and in and to all Letters Patent and all Convention and Treaty rights of all kinds, including the right to claim priority from said application, and all rights in and to any utility, continuation, continuation-in-part, and divisional application therefrom, and any reissue or re-examination as to any Letters Patent issuing therefrom, in all countries throughout the world, for all such subject matter described therein, including all rights of action and rights to recover damages for past infringements. We agree to sign all documents necessary to secure all said Letters Patent and rights, and request issuance of all said Letters Patent to the above assignee in accordance with this assignment.

October 9, 2009 William A. Ryan  
WILLIAM A. RYAN

State of Illinois )  
County of DuPage ) SS

I hereby certify that before me in the County of DuPage in the State of Illinois, personally appeared WILLIAM A. RYAN, personally known by me, who then and there was duly sworn by me, and under oath acknowledged that the foregoing assignment was duly signed, sealed, and delivered by him on the date appearing at the foot thereof.

October 9, 2009 Regina M. Salvador  
Notary Public  
My Commission Expires:



October 9, 2009

*Michael Abry*  
MICHAEL ABRY

State of Illinois )  
County of DuPage ) SS

I hereby certify that before me in the County of DuPage, in the State of Illinois, personally appeared MICHAEL ABRY, personally known by me, who then and there was duly sworn by me, and under oath acknowledged that the foregoing assignment was duly signed, sealed, and delivered by him on the date appearing at the foot thereof.

October 9, 2009

*Regina M. Salvador*  
Notary Public  
My Commission Expires:



12 - OCT, 2009 Peter V. Loepfert  
PETER V. LOEPPERT

State of Illinois )  
County of DePage ) SS

I hereby certify that before me in the County of DePage, in the State of Illinois, personally appeared PETER V. LOEPPERT, personally known by me, who then and there was duly sworn by me, and under oath acknowledged that the foregoing assignment was duly signed, sealed, and delivered by him on the date appearing at the foot thereof.

12 October, 2009 Regina M. Salvador  
Notary Public  
My Commission Expires:

