

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>William A. Ryan</td> <td>08/01/2013</td> </tr> <tr> <td>Michael Abry</td> <td>08/01/2013</td> </tr> <tr> <td>Peter V. Loeppert</td> <td>08/07/2013</td> </tr> </tbody> </table>		Name	Execution Date	William A. Ryan	08/01/2013	Michael Abry	08/01/2013	Peter V. Loeppert	08/07/2013		
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Knowles Electronics, LLC</td> </tr> <tr> <td>Street Address:</td> <td>1151 Maplewood Drive</td> </tr> <tr> <td>City:</td> <td>Itasca</td> </tr> <tr> <td>State/Country:</td> <td>ILLINOIS</td> </tr> <tr> <td>Postal Code:</td> <td>60143</td> </tr> </table>		Name:	Knowles Electronics, LLC	Street Address:	1151 Maplewood Drive	City:	Itasca	State/Country:	ILLINOIS	Postal Code:	60143
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PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13456348</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13456348						
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CORRESPONDENCE DATA											
Fax Number:	3125777007										
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NAME OF SUBMITTER:	Timothy R. Baumann										
Signature:	/Timothy R. Baumann/										

Date:

08/08/2013

Total Attachments: 4

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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 Durand, County of Winnebago, 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 provisional application for Letters Patent of the United States entitled

MICROPHONE HAVING MULTIPLE TRANSDUCER ELEMENTS

United States Provisional Application Number 13/456,348, filed April 26, 2012, 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.

August 1, 2013

William Ryan
WILLIAM A. RYAN

State of IL)
County of DuPage) SS

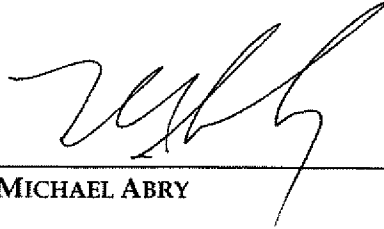
IL I hereby certify that before me in the County of DuPage, in the State of IL, personally appeared WILLIAM A. RYAN, personally known by me, who then and there was duly sworn by me, and under oath acknowledged that the foregoing assignment was duly signed, sealed, and delivered by him on the date appearing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

August 1, 2013

Heather Santiago
Notary Public
My Commission Expires:

OFFICIAL SEAL
Heather Santiago
Notary Public, State of Illinois
My Commission Expires 6/26/2017


1 Aug, 2013


MICHAEL ABRY

State of IL)
) SS
County of DuPage)

I hereby certify that before me in the County of DuPage, in the State of IL, 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.

August 1, 2013


Notary Public
My Commission Expires:

OFFICIAL SEAL
Heather Santiago
Notary Public, State of Illinois
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