

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>Hye Jin KIM</td><td>07/21/2008</td></tr><tr><td>Sung Q LEE</td><td>07/21/2008</td></tr><tr><td>Sang Kyun LEE</td><td>07/22/2008</td></tr><tr><td>Jae Woo LEE</td><td>07/22/2008</td></tr><tr><td>Kang Ho PARK</td><td>07/22/2008</td></tr><tr><td>Jong Dae KIM</td><td>07/21/2008</td></tr></tbody></table>	Name	Execution Date	Hye Jin KIM	07/21/2008	Sung Q LEE	07/21/2008	Sang Kyun LEE	07/22/2008	Jae Woo LEE	07/22/2008	Kang Ho PARK	07/22/2008	Jong Dae KIM	07/21/2008	
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Kang Ho PARK	07/22/2008														
Jong Dae KIM	07/21/2008														
RECEIVING PARTY DATA															
Name:	Electronics And Telecommunications Research Institute														
Street Address:	161, Gajeong-dong, Yusong-gu														
City:	Daejeon														
State/Country:	REPUBLIC OF KOREA														
Postal Code:	305-350														
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>12195311</td></tr></tbody></table>	Property Type	Number	Application Number:	12195311											
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Application Number:	12195311														
CORRESPONDENCE DATA															
Fax Number:	(415)576-0300														
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ATTORNEY DOCKET NUMBER:	26699S-013500US														

CH \$40.00 12195311

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PATENT
REEL: 021443 FRAME: 0598

NAME OF SUBMITTER:

Evelyn D. Jackson

Total Attachments: 2

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ASSIGNMENT OF PATENT APPLICATION

WHEREAS, **Hye Jin KIM** of Songrimmaeul 101-602, 512, Haki-dong, Yuseong-gu, Daejeon, 305-358, Republic of Korea; **Sung Q LEE** of Yeolmaemaoul 403-804, Jijok-dong, Yuseong-gu, Daejeon, 305-330, Republic of Korea; **Sang Kyun LEE** of Cheomdan Buyoung Apt. 102-503, Sanwol-dong, Gwangsan-gu, Gwangju, 506-785, Republic of Korea; **Jae Woo LEE** of Expo Apt. 107-108, Jeonmin-dong, Yuseong-gu, Daejeon, 305-390, Republic of Korea; **Kang Ho PARK** of Hanmaeul Apt. 110-206, Songgang-dong, Yuseong-gu, Daejeon, 305-756, Republic of Korea; and **Jong Dae KIM** of Star Dome Apt. 705, 553-8, Noeun-dong, Yuseong-gu, Daejeon, 305-325, Republic of Korea, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: PIEZOELECTRIC MICROPHONE, SPEAKER,
MICROPHONE-SPEAKER INTEGRATED
DEVICE AND MANUFACTURING
METHOD THEREOF

Date(s) of Execution of Declaration: _____

Filing Date: August 20, 2008

Application No.: 12/145,311 ; and

WHEREAS, **Electronics and Telecommunications Research Institute**, located at 161 Gajeong-dong, Yuseong-gu, Daejeon, 305-350, Republic of Korea, hereinafter referred to as "ASSIGNEE," is desirous of acquiring ASSIGNORS' interest in the said invention and application and in any U.S. Letters Patent which may be granted on the same;

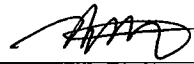
NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignees, and Assignees' successors and assigns, all their right, title and interest in and to the said invention and application, and in and to any Letters Patent which may hereafter be granted on the same in the United States, the said interest to be held and enjoyed by said Assignees as fully and exclusively as it would have been held and enjoyed by said Assignors had this Assignment and transfer not been made, to the full end and term of any Letters Patent which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, Eighth Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 07/21/2008



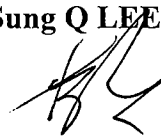
Hye Jin KIM

Dated: 07/21/2008



Sung Q LEE

Dated: 07/22/2008



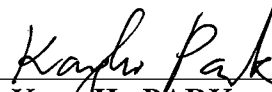
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Jae Woo LEE

Dated: 07/22/2008



Kang Ho PARK

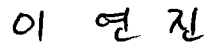
Dated: 07/21/2008



Jong Dae KIM

SIGNATURES WITNESSED BY:

Dated: 07/22/2008



Signature of Witness

Yeon Jin LEE

Printed Name