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To the Director of the U.S. Patent and Trademark Office: Please record it  1. Name of conveying party(les)/Execution Date(s): Valentin CHEREDNICK (11/04/2004), 2004, 3nd Yong-Lim CHO (11/04/2004) and Yong-Lim CHO (11/04/2004) are stored of conveyance:    Assignment		
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1. Name of conveying party(les)/Execution Date(s):   Valentin CHEREDNICK (11/04/2004),   Doesherstow MICHAIL (11/04/2004), and Yong-Lim CHOI (11/04/2004)   Execution Date(s): in parentheses after inventor name additional name(s) of conveying party(les) attached?   Ves   x   No	PATENTS	
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Name:   LS INNOTER CU., LTD	1. Name of conveying party(ies)/Execution Date(s):	2. Name and address of receiving party(ies)
Street Address:   In parentheses after inventor name   Additional name(s) of conveying party(les) attached?   Yes   X   No   No   Assignment   Merger   Change of Name   Coverment Interest Assignment   State:   County:   Security Agreement   Change of Name   City:   Security Agreement   Executive Order 9424, Confirmatory License   County:   Korea, Republic of   Zip:   135-983   Additional name(s) & address(es)   Yes   X   No   NEW   Addition	Dvoesherstov MICHAIL (11/04/2004), and Yong-	Name: LG INNOTEK CO., LTD
Additional name(s) of conveying party(ies) attached? Yes X No  3. Nature of Conveyance:  X Assignment Merger  Security Agreement Change of Name Government Interest Assignment Executive Order 9424, Confirmatory License Other  4. Application or patent number(s): X This document is being filed together with a new application. B. Patent Application No.(s) NEW  Additional numbers attached?  Additional number of applications and patents involved:  5. Name and address to whom correspondence concerning document should be mailed: Name: James T. Eller, Jr. BIRCH, STEWART, KOLASCH & BIRCH, LLP LIP Siteet Address: Atty. Dkt.: 3449-0403PUS1 Street Address: 8110 Gatehouse Rd Suite 100 East P.O. Box 747  City: Falls Church State:  7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00  Authorized to be charged to deposit account X Enclosed None required (government interest not affecting title):  8. Payment Information a. Credit Card Last 4 Numbers Expiration Date  5. Deposit Account Number:  Fax Number:  (703) 205-8050 Email Address:  Bilgisture Date  Date  Total number of pages including cover  3. Total number of pages including cover	Lim CHOI (11/04/2004)	Internal Address:
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Security Agreement Change of Name  Government Interest Assignment  Executive Order 9424, Confirmatory License Other  Additional name(s) & address(es)  Additional name(s) & address(es)  Additional name(s) & address(es)  Yes X No  This document is being filed together with a new application.  B. Patent Application No.(s)  NEW  Additional numbers attached?  Yes X No  This document is being filed together with a new application.  B. Patent No.(s)  S. Name and address to whom correspondence concerning document should be mailed:  Name: James T. Eller, Jr.  BIRCH, STEWART, KOLASCH & BIRCH, LLP  Internal Address: Atty, Dkt.: 3449-0403PUS1  Street Address: 8110 Gatehouse Rd  Suite 100 East  P.O. Box 747  Phone Number: (703) 205-8000  Fax Number: (703) 205-8050  Email Address: mailroom@bskb.com  Signature  December 3, 2004  Date  Total number of applications and patents involved:  1  Address: Atty, Dkt.: 3449-0403PUS1  Street Address: 8110 Gatehouse Rd  Suite 100 East  P.O. Box 747  Phone Number: (703) 205-8000  Fax Number: (703) 205-8050  Email Address: mailroom@bskb.com  December 3, 2004  Date  Total number of pages including cover 3		
Government Interest Assignment  Executive Order 9424, Confirmatory License  Other  Other  Application or patent number(s): A. Patent Application No.(s) NEW  Additional numbers attached?  Additional number is being filed together with a new application. B. Patent No.(s)  B. Patent No.(s)  Additional number of applications and patents involved:  Internal Address: Atty, Dkt.: 3449-0403PUS1  Street Address: 8110 Gatehouse Rd Suite 100 East P.O. Box 747  City: Falls Church State: VA zip: 22040-0747 Phone Number: (703) 205-8050 Email Address: mailroom@bskb.com  Additional name(s) & address(es) Yes X No  6. Total number of applications and patents involved:  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 X 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  December 3, 2004 Date  Total number of pages including cover 3		Const
Executive Order 9424, Confirmatory License  Other  Country: Korea, Republic of Zip: 135-983 Additional name(s) & address(es) Yes X No attached:  This document is being filed together with a new application.  B. Patent No.(s)  NEW  Additional numbers attached?  Yes X No  5. Name and address to whom correspondence concerning document should be mailed:  Name: James T. Eller, Jr.  BIRCH, STEWART, KOLASCH & BIRCH, LLP  Internal Address: Atty. Dkt.: 3449-0403PUS1  Street Address: 8110 Gatehouse Rd Suite 100 East P.O. Box 747  City: Falls Church State: VA Zip: 22040-0747 Phone Number: (703) 205-8000  Fax Number: (703) 205-8050 Email Address: mailroom@bskb.com  Signiture:  December 3, 2004  Date  Date  James T. Eller, Jr 39,538  Total number of pages including cover 3		
Additional name(s) & address(es) Yes X No  4. Application or patent number(s):  A. Patent Application No.(s)  NEW  Additional numbers attached?  Additional numbers attached?  Yes X No  5. Name and address to whom correspondence concerning document should be mailed:  Name:  James T. Eller, Jr.  BIRCH, STEWART, KOLASCH & BIRCH,  LLP  Internal Address: Atty. Dkt.: 3449-0403PUS1  Street Address: 8110 Gatehouse Rd  Suite 100 East  P.O. Box 747  City:  Falls Church  State:  VA Zip: 22040-0747  Phone Number:  (703) 205-8000  Fax Number:  (703) 205-8050  Email Address:  Mailroom@bskb.com  December 3, 2004  Date  December 3, 2004  Date  James T. Eller, Jr 39,538		
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Suite 100 East P.O. Box 747    X   Enclosed     None required (government interest not affecting title)		Authorized to be charged by credit card
P.O. Box 747    X   Enclosed     None required (government interest not affecting title)   State:   VA   Zip:   22040-0747     Phone Number:   (703) 205-8000     Fax Number:   (703) 205-8050     Email Address:   mailroom@bskb.com     Signature:   December 3, 2004     Signature   James T. Eller, Jr 39,538     Total number of pages including cover   3		Authorized to be charged to deposit account
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Email Address: mailroom@bskb.com  Authorized User Name  December 3, 2004  Signature  Date  James T. Eller, Jr 39,538  Total number of pages including cover 3		·
Signature:  December 3, 2004  Signature  Date  James T. Eller, Jr 39,538  Total number of pages including cover 3		·
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Signature Date  James T. Eller, Jr 39,538 Total number of pages including cover 3	X / (///), /\	December 3, 2004
	Signature	
	James T. Eller, Jr 39,538  Name of Person Signing	

JTE/smt

**PATENT REEL: 016410 FRAME: 0219** 

## BIRCH, STEWART, KOLASCH & BIRCH, LLP

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## **ASSIGNMENT**

	Application NoN	EW		Filed	12-03-04
nsert Name(s) of Inventor(s)			FAMILY NAME (ALL C	CAPS))***	
, ,	WHEREAS,		Valentin CHEREDNICK		
			Dvoesherstov MICHAIL		
			Yong Lim CHOI		
					.,,.
	(hereinafter designated as	the unders	signed) has (have) invented co	ertain new and useful	improvements in
	(incremanter designated as	the anders	signed) has (have) hivelied ex	briain new and ascrar	improvements in
nsert Title of Invention	SAW SENSOR DE	VICE US	ING SLIT ACOUSTIC W	AVE AND METHO	D THEREOF
for which an app			ited States of America has b provisional application).	een executed by the t	undersigned (except in
nsert Date of Signin Application	November 4,2004				; and
Insert Name of Assignee	WHEREAS, <u>I</u>	.G INNO	TEK CO., LTD		
insert Address of Assignee	of 14 <sup>th</sup> Fl. Hansol Blo	dg., 736-	-1, Yoksam-dong, kang	nam-gu, 135-983	Seoul, Korea
C <b>HECK BOX</b> F APPROPRIATE		title and in the Unite	atives and assigns (hereinafter interest in and to said inventi ed States of America and		
	the receipt of which is he has (have) sold, a ssigned Assignee the full and exc dependencies and possess which may be granted the	ereby acknowl and transclusive right sions and the erefor in the	ion of the sum of Ten Dollars towledged, and other good are sferred, and by these present ht to the said invention in the entire right, title and intege United States of America, it in any and all forcign countries.	nd valuable considerates does sell, assign and Eunited States of Anterest in and to any and territories, dependents	tion, the undersigned and transfer unto said merica, its territories, lall Letters Patent(s)
	and to any and all division terms for which the same		es, continuations, conversions anted.	and extensions thereo	of for the full term or

Page 1 of 2

PATENT REEL: 016410 FRAME: 0220 Page 1 of 2 Attorney Docket No.

The undersigned agree(s) to execute all; papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree (s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative sets which may be necessary to obtain a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date November 4,2004	Name of Inventor	Valontin CHEREDNICK Breed H-K
Date November 4,2004	. !	(signature) Michail DVOESHERSTOV
Date November 4,2004		(signature)
	Name of Inventor	Yong Lim CHOL (signature)
Date	Name of Inventor	(signature)
Date	Name of Inventor	(signature)
Date	Name of Inventor	(signature)

PATENT REEL: 016410 FRAME: 0221

**RECORDED: 12/03/2004**