`	9
	0
	•
_	بَ
	~ }

02-06-2006

U.S. DEPARTMENT	OF COMM	ERC
United States Patent and	Trademark	Office

To the Director of the U.S. Patent and Trademark Office. Please record the attached documents or the new address(es) bell 1. Name of conveying party(ies): Sang Un JIN Additional name(e) of conveying party(ies) attached? Yes X No	Form PTO-1595 (Rev. 03-05) OMB No. 0651-0027 (exp. 6/30/2005)	U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office				
1. Name of conveying party(ies): Sang Un JIN Name: LG Electronics Inc.	PAIEN 73866					
Sang Un JIN Name: LG Electronics Inc. Internal Address: Street Address:	To the Director of the U.S. Patent and Trademark Office: Please	record the attached documents or the new address(es) below.				
Execution Date(s): January 24, 2006 X Assignment	Name of conveying party(ies):	2. Name and address of receiving party(ies)				
Execution Date(s): January 24, 2006 X Assignment	Sang Un JIN	Name: LG Electronics Inc.				
Execution Date(s): January 24, 2006 X Assignment		Internal Address:				
Execution Date(s): January 24, 2006 X Assignment	Additional name(s) of conveying party(ies) attached?	Street Address:				
Execution Date(s): January 24, 2006 X Assignment	3. Nature of conveyance/Execution Date(s):	1 29 = 1				
Security Agreement Joint Research Agreement Government Interest Assignment State: Executive Order 9424, Confirmatory License Country: Republic of Korea Zip: Additional name(s) & address(es) Yes X No attached: 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: Esther H. Chong BIRCH, STEWART, KOLASCH & BIRCH, LLP Internal Address: Atty, Dkt.: 0465-1515PUS1 Street Address: 8110 Gatehouse Road Suite 100 East P.O. Box 747 State: VA Zip: 22040-0747 Phone Number: (703) 205-8000 Fax Number: (703) 205-8050	Execution Date(s): January 24, 2006	· I				
Government Interest Assignment Executive Order 9424, Confirmatory License Other Additional name(s) & address(es) A Application or patent number(s): A. Patent Application No.(s) NEW Additional numbers attached? Additional number attached? Additional number of papelications and patents involved: 1 Authorized to be charged by credit card Authorized to be charged to deposit account X Enclosed None required (government interest not affecting at Credit Card Authorized to be charged to deposit account X Enclosed None required (government interest not affecting at Credit Card Authorized to be charged to deposit account X Enclosed None required (government interest not affecting at Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number	x Assignment Merger Change of Name					
Executive Order 9424, Confirmatory License Other Country: Republic of Korea Zip: 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 S. Name and address to whom correspondence concerning document should be mailed: Name: Esther H. Chong BIRCH, STEWART, KOLASCH & BIRCH, LLP Internal Address: Atty. Dkt.: 0465-1515PUS1 Street Address: 8110 Gatehouse Road 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 This document is being filed together with a new application B. Patent No.(s) Additional name(s) & address(es) Yes X No Street Address(es) Yes X No This document is being filed together with a new application and patents involved: 1 Total number of applications and patents involved: 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 S. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number		City: Seoul				
Executive Order 9424, Confirmatory License Other Country: Republic of Korea Zip: 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 6. Total number of applications and patents involved: Name: Esther H. Chong BIRCH, STEWART, KOLASCH & BIRCH, LLP Internal Address: Atty. Dkt.: 0465-1515PUS1 Street Address: 8110 Gatehouse Road 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 This document is being filed together with a new application B. Patent No.(s) 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 B. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number	Government Interest Assignment	State:				
Additional name(s) & address(es) Yes X No 4. Application or patent number(s):	Executive Order 9424. Confirmatory License	Country: Republic of Korea Zin:				
4. Application or patent number(s): A. Patent Application No.(s) NEW Additional numbers attached? Aunumber of applications and patents involved: Authorized to be charged by credit card Authorized to be charged to deposit account authorized to be charged to deposit account authorized to be charged to deposit account authorized (government interest not affecting not patents) Authorized to be charged to deposit account authorized (government interest not affecting not patents) Authorized to be charged to deposit account authorized (government interest not affecting not patents) Authorized to be charged to deposit account authorized (government interest not affecting not patents) Authorized to be charged to deposit account authorized (government interest not affecting not patents) Authorized to be charged to deposit account authorized (government interest not affecting not patents) Authorized to be charged to deposit account authorized (government interest not affecting not patents) Authorized to be charged to deposit account authorized (government interest not affecting not patents) Authorized to be charged to deposit account authorized to be charged to deposit account authorized to be charged by credit card authorized to be charged by		Additional name(s) & address(es) Yes X No				
Concerning document should be mailed: Name: Esther H. Chong BIRCH, STEWART, KOLASCH & BIRCH, LLP Internal Address: Atty. Dkt.: 0465-1515PUS1 Street Address: 8110 Gatehouse Road Suite 100 East P.O. Box 747 City: Falls Church State: VA Zip: 22040-0747 Phone Number: (703) 205-8050 Fax Number: (703) 205-8050 Patents involved:	Additional numbers attached?	? Yes X No				
BIRCH, STEWART, KOLASCH & BIRCH, LLP Internal Address: Atty. Dkt.: 0465-1515PUS1 Street Address: 8110 Gatehouse Road 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 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 a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number						
Street Address: 8110 Gatehouse Road 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 Authorized to be charged to deposit account X Enclosed None required (government interest not affecting 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number	BIRCH, STEWART, KOLASCH & BIRCH,	7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00				
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 Suite 100 East X Enclosed None required (government interest not affecting a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number	-	Authorized to be charged by credit card				
P.O. Box 747 X Enclosed None required (government interest not affecting		Authorized to be charged to deposit account				
City: Falls Church 8. Payment Information State: VA Zip: 22040-0747 a. Credit Card Last 4 Numbers Phone Number: (703) 205-8000 Expiration Date Fax Number: (703) 205-8050 b. Deposit Account Number		x Enclosed				
State: VA Zip: 22040-0747 a. Credit Card Last 4 Numbers Phone Number: (703) 205-8000 Expiration Date Fax Number: (703) 205-8050 b. Deposit Account Number		None required (government interest not affecting title				
State: VA Zip: 22040-0747 a. Credit Card Last 4 Numbers Phone Number: (703) 205-8000 Expiration Date Fax Number: (703) 205-8050 b. Deposit Account Number	City: Falls Church	8. Payment Information				
Phone Number: (703) 205-8000 Expiration Date Fax Number: (703) 205-8050 b. Deposit Account Number	20040.0747					
Fax Number: (703) 205-8050 b. Deposit Account Number		Expiration Date				
Email Address: mailroom@bskb.com Authorized User Name	(=00) 00= 00=0	b. Deposit Account Number				
	Email Address: mailroom@bskb.com	Authorized User Name				
Signature: Lather H. Chone January 30, 2006	9. Signature:	2 January 30, 2006				
Signature January 30, 2000	Signature					
Esther H. Chong - 40,953 Name of Person Signing Total number of pages including cover sheet, attachments, and documents:						

1/2006 HMAKZII 00000000 11341) 1.0344 Birch, Stewart, Kolasch & Birch, LLP

EHC/dns

BIRCH, STEWART, KOLASCH & BIRCH, LLP

UNITED STATES PATENT RIGHTS, OR UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ASSIGNMENT

Appli	January 30, 2006 Filed on
nsert Name(s) f Inventor(s)	***(Given Name FAMILY NAME (ALL CAPS))*** WHEREAS, Sang Un JIN
nsert Title of Invention	(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in EXTERNAL AMPLIFIER AND NOISE REMOVING METHOD THEREOF for which an application for Letters Patent of the United States of America has been executed by the
nsert Date of Signing of Application insert Name	on
of Assignee insert Address of Assignee	of 20, Yoido-dong, Youngdungpo-gu, Seoul, Korea
CHECK BOX F APPROPRIATE	its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and in any foreign countries.
	NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assigned the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;
	and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

Page 1 of 2

Attorney Docket No. 0465-1515PUS1

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 acts which may be necessary to obtain a grant of a valid United States of America patent(s) or 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_	24,01,2006	Name of Inventor	
			(signature) Sang Un JIN
Date_			or(signature)
Date_			or (signature)
Date_			or
			(signature)
Date .		Name of Invento	
			(signature)
Date .		Name of Invento	or

Page 2 of 2

RECORDED: 01/30/2006

PATENT REEL: 017522 FRAME: 0514