RECORDATION FORM COVER SHEET PATENTS ONLY Patent and Trademark (niffice) PATENT TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(les). Submission Type New Assignment Cornevance Type Assignment Conveying Patents							
Submission Type		R			Patent and 1	Frademark Office	
New Resubmission (Non-Recordation) Document ID # License Gorrection of PTO Error Real # Frame # Correction of PTO Error Real # Frame # Corrective Document Date Prame # Corrective Document Date Prame # Corrective Document Date Prame # Corrective Document Date	TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).						
Resubmission (Non-Recordation)	Submission Type		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
Document ID #	⊠ New						
Corrective Document ID # Frame # Security Agreement Security Agre				License			
Correction of PTO Error Real # Frame # Change of Name				☐ Merger			
Real # Frame # Change of Name Other: Real # Frame # Conveying Party(les) 1. Jae-hyun KWAK 2. Se-jin LIM 3. Soo-ho KIM 4. June 29, 2005 4. June 29, 2005 4. June 29, 2005 5. June 29, 2005 6. June 29, 2005 6. June 29, 2005 7. June							
Corrective Document Real # Frame # Conveying Party(les) Execution Date(s) June 29, 2005	Reel#	Frame #					
Conveying Party(les) Live Sey 2005	☐ Corrective Doc	ument					
1. Jae-hyun KWAK 2. Se-jin LIM 3. Soo-ho KIM 4. June 29, 2005 Mark if Additional Names of Conveying Parties Attached Receiving Party Name Samsung Techwin Co., Ltd. Name Address 28 Sungju-dong Address Address Changwon-city Kyongsangnam-do, Republic of Korea	Reel#	Frame #		_			
2. Se-jin LIM 3. Soc-ho KIM 4. Mark if Additional Names of Conveying Parties Attached Mark if Additional Names of Conveying Parties Attached Receiving Party	Conveying Party(es)		•	Execution Date(s)	
2. Se-jin LIM 3. Soc-ho KIM 4. Mark if Additional Names of Conveying Parties Attached Mark if Additional Names of Conveying Parties Attached Receiving Party				June 29, 2005			
3. Soo-ho KIM 4. Mark if Additional Names of Conveying Parties Attached							
Mark if Additional Names of Conveying Parties Attached Receiving Party Name Samsung Techwin Co., Ltd.							
Mark if Additional Names of Conveying Parties Attached					50110 25, 2000		
Receiving Party Name Samsung Techwin Co., Ltd. Name Address 28 Sungju-dong Address Changwon-city City State/Country State/Country Zip Code Mark if Additional Names of Receiving Parties Attached Correspondent Name and Address Brian C. Rupp Mark Lift Additional Names of Receiving Parties Attached Correspondent Name and Address Brian C. Rupp Mark Lift Additional Names of Receiving Parties Attached Correspondent Name and Address Facsimile: (312) 569-1000 Facsimile: (312) 569-3000 Attorney Docket No. P2511US 1911 N. Wacker Drive, Suite 3700 Chicago, Illinois 60606-1698 Pages Enter the total number of pages of the attached conveyance document including any attachments: 2 Application Number(3) or Patent Number(s) Enter either the Patent Application Numbers or the Patent Number (DO NOT ENTER BOTH numbers for the same property). Patent Application Numbers Patent Application Numbers If this document is being filed together with a new Patent Application, enter the date the patent speciation of the same property.	T.						
Receiving Party Name Samsung Techwin Co., Ltd. Name Address 28 Sungju-dong Address Changwon-city City State/Country Telephone: (312) 569-1000 Mark if Additional Names of Receiving Parties Attached Correspondent Name and Address Brian C. Rupp Parties Attached Telephone: (312) 569-1000 Parties Attached Correspondent Name and Address Fracsimile: (312) 569-3000 Pares (312) 569-3000 Pares (312) 569-3000 Attorney Docket No. P2511US Parties (312) 569-3000 Chicago, Illinois 60606-1698 Pages Enter the total number of pages of the attached conveyance document including any attachments: 2 Application Number(s) or Patent Number(s) Enter either the Patent Application Numbers or the Patent Number (DO NOT ENTER BOTH numbers for the same property). Patent Application Numbers Patent Application Numbers Patent Numbers Patent Numbers Patent Numbers Patent Numbers If this document is being filed together with a new Patent Application, enter the date the patent application number only if a U.S. Application Number has not been assigned. PCT	☐ Mark if Addition	nal Names of Conve	ving Parties Attache	d			
Name Samsung Techwin Co., Ltd. Name Address 28 Sungju-dong Address Address Changwon-city Kyongsangnam-do, Republic of Korea City State/Country Zip Code Mark if Additional Names of Receiving Parties Attached			J 7 CH 100 7 11 100 10				
Name Address 28 Sungju-dong Address Address Changwon-city State/Country Mark if Additional Names of Receiving Parties Attached		Samsung Techwin	Co. Ltd.				
Address 28 Sungju-dong Address Changwon-city City State/Country Zip Code Mark if Additional Names of Receiving Parties Attached		Julianing Tourism	Ou., Ltd.				
Address Address Changwon-city City State/Country Mark if Additional Names of Receiving Parties Attached Correspondent Name and Address Telephone: (312) 569-1000	ı	28 Sundiu-dona					
Address Changwon-city City State/Country Zip Code Mark if Additional Names of Receiving Parties Attached		Lo Garigja-aorig					
City State/Country Zip Code Mark if Additional Names of Receiving Parties Attached Correspondent Name and Address		Changuian aitir	Kyonasa	nanam da Banubli	c of Korea		
□ Mark if Additional Names of Receiving Parties Attached Correspondent Name and Address Brian C. Rupp, Reg. No. 35,665 Gardner Carton & Douglast LLP 191 N. Wacker Drive, Suite 3700 Chicago, Itlinois 60606-1698 Pages Enter the total number of pages of the attached conveyance document including any attachments: 2 Application Number(s) or Patent Number(s) Enter either the Patent Application Number or the Petent Number (DO NOT ENTER BOTH numbers for the same property). Patent Application Numbers 11/173,618 If this document is being filed together with a new Patent Application, enter the date the patent Month Day Year application was signed by the first named executing inventor. Patent Cooperation Treaty (PCT) Enter PCT application number only if a U.S. Application Number has not been assigned. PCT PCT PCT Number of Properties Enter the total number of properties involved: 1 Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$40.00 Authorization to Charge Additional Fees to Deposit Account No. 07-0181: □ Yes □ No Statement and Signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein. Brian C. Rupp August 8, 2005					C OI NOIGA	Zin Code	
Correspondent Name and Address Brian C. Rupp, Reg. No. 35,665 Brian C. Rupp Attorney Suite 3700 Attorney Docket No. 72511US Brian C. Rupp Attorney Site Signature Brian C. Rupp Attorney Site Signature Brian C. Rupp Attorney Site Signature Attorney Docket No. 2559-3000 Bracsimile: (312) 569-3000 Facsimile: (312) 569-3000 Attorney Docket No. P2511US Facsimile: (312) 569-3000 Facsimile: (312) 569-300 Facsimil	'	∍ity	Siate/Cou	riu y		Zip Code	
Correspondent Name and Address Brian C. Rupp, Reg. No. 35,665 Brian C. Rupp Attorney Suite 3700 Attorney Docket No. 72511US Brian C. Rupp Attorney Site Signature Brian C. Rupp Attorney Site Signature Brian C. Rupp Attorney Site Signature Attorney Docket No. 2559-3000 Bracsimile: (312) 569-3000 Facsimile: (312) 569-3000 Attorney Docket No. P2511US Facsimile: (312) 569-3000 Facsimile: (312) 569-300 Facsimil	Mark if Addition	nal Names of Receiv	ing Parties Attached	I			
Brian C. Rupp, Reg. No. 35,665 Gardner Carton & Douglas LLP 191 N. Wacker Drive, Suite 3700 Chicago, Illinols 60606-1698 Pages Enter the total number of pages of the attached conveyance document including any attachments: 2 Application Number(s) or Patent Number(s) Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property). Patent Application Numbers If this document is being filed together with a new Patent Application, enter the date the patent numbers If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Patent Cooperation Treaty (PCT) Patent Cooperation Treaty (PCT) Number has not been assigned. PCT PCT PCT Number of Properties Enter the total number of properties involved: 1 Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$40.00 Method of Payment: Enclosed is a check in the amount of \$ Charge Deposit Account No. 07-0181in the amount of \$40.00 Authorization to Charge Additional Fees to Deposit Account No. 07-0181: Yes No Statement and Signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein. Brian C. Rupp			ning raines Anachet		Telephone: (312)	569-1000	
Gardner Carton & Douglas LLP 191 N. Wacker Drive, Sulte 3700 Chicago, Illinois 60606-1698 Pages Enter the total number of pages of the attached conveyance document including any attachments: 2 Application Number(s) or Patent Number(s) Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property). Patent Application Numbers Patent Application Numbers If this document is being filed together with a new Patent Application, enter the date the patent Month Day Year application was signed by the first named executing inventor. Patent Cooperation Treaty (PCT) Enter PCT application number only if a U.S. Application Number has not been assigned. PCT PCT PCT Number of Properties Enter the total number of properties involved: 1 Fee Amount Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$40.00 Authorization to Charge Additional Fees to Deposit Account No. 07-0181: Yes No Statement and Signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein. Brian C. Rupp August 8, 2005							
191 N. Wacker Drive, Suite 3700 Chicago, Illinois 60606-1698 Pages Enter the total number of pages of the attached conveyance document including any attachments: 2 Application Number(s) or Patent Number(s)	Gardner Carton &	g, No. 35,665 Douglas III D					
Chicago, Illinois 60606-1698 Pages Enter the total number of pages of the attached conveyance document including any attachments: 2 Application Number(s) or Patent Number(s)	101 N Wacker Dri	vo Suito 2700			Autoritey Docker	10.1 201100	
Pages Enter the total number of pages of the attached conveyance document including any attachments: 2 Application Number(s) or Patent Number(s)							
Application Number(s) or Patent Number(s) Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property). Patent Application Numbers Patent Application Numbers Patent Numbers 11/173,618 If this document is being filed together with a new Patent Application, enter the date the patent Month Day Year epplication was signed by the first named executing inventor. Patent Cooperation Treaty (PCT) Enter PCT application number only if a U.S. Application Number has not been assigned. PCT PCT PCT Number of Properties Enter the total number of properties involved: 1 Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$40.00 Method of Payment: Enclosed is a check in the amount of \$ Charge Deposit Account No. 07-0181in the amount of \$40.00 Authorization to Charge Additional Fees to Deposit Account No. 07-0181: Yes No Statement and Signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein. Brian C. Rupp August 8, 2005			ages of the attached	conveyance docum	ent including any at	tachments: 2	
Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property). Patent Application Numbers 11/173,618 If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Patent Cooperation Treaty (PCT) Enter PCT application number only if a U.S. Application Number has not been assigned. PCT PCT PCT Number of Properties Enter the total number of properties involved: 1 Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$40.00 Method of Payment: Enclosed is a check in the amount of \$ Charge Deposit Account No. 07-0181in the amount of \$40.00 Authorization to Charge Additional Fees to Deposit Account No. 07-0181: Yes No Statement and Signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein. Brian C. Rupp August 8, 2005					Mark if additional	numbers attached	
Patent Application Numbers Patent Numbers	Enter either the Pa	etent Application Number	or the Patent Number (D				
If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Patent Cooperation Treaty (PCT) Enter PCT application number only if a U.S. Application Number has not been assigned. PCT PCT PCT PCT PCT PCT Number of Properties Enter the total number of properties involved: 1 Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$40.00 Method of Payment: Enclosed is a check in the amount of \$ Charge Deposit Account No. 07-0181in the amount of \$40.00 Authorization to Charge Additional Fees to Deposit Account No. 07-0181: Yes No Statement and Signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to depoelt account are authorized, as indicated herein. Brian C. Rupp Month Day Year Month Day Year Month Day Year PCT PCT PCT PCT PCT PCT PCT PCT Number of Properties involved: 1 Fee Amount for Properties Listed (37 CFR 3.41): \$40.00 Method of Payment: Enclosed is a check in the amount of \$40.00 Authorization to Charge Additional Fees to Deposit Account No. 07-0181: Yes No Statement and Signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to depoelt account are authorized, as indicated herein.							
If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Patent Cooperation Treaty (PCT) Enter PCT application number only if a U.S. Application Number has not been assigned. PCT PCT PCT Number of Properties Enter the total number of properties involved: 1 Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$40.00 Method of Payment: Enclosed is a check in the amount of \$ Charge Deposit Account No. 07-0181in the amount of \$40.00 Authorization to Charge Additional Fees to Deposit Account No. 07-0181: Yes No Statement and Signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein. Brian C. Rupp Month Day Year Month Day Year Month Day Year PCT PCT PCT PCT PCT PCT PCT PC							
epplication was signed by the first named executing inventor. Patent Cooperation Treaty (PCT) Enter PCT application number only if a U.S. Application Number has not been assigned. PCT PCT PCT Number of Properties Enter the total number of properties involved: 1 Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$40.00 Method of Payment: Enclosed is a check in the amount of \$ Charge Deposit Account No. 07-0181in the amount of \$40.00 Authorization to Charge Additional Fees to Deposit Account No. 07-0181: Yes No Statement and Signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein. Brian C. Rupp August 8, 2005							
epplication was signed by the first named executing inventor. Patent Cooperation Treaty (PCT) Enter PCT application number only if a U.S. Application Number has not been assigned. PCT PCT PCT Number of Properties Enter the total number of properties involved: 1 Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$40.00 Method of Payment: Enclosed is a check in the amount of \$ Charge Deposit Account No. 07-0181in the amount of \$40.00 Authorization to Charge Additional Fees to Deposit Account No. 07-0181: Yes No Statement and Signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein. Brian C. Rupp August 8, 2005							
epplication was signed by the first named executing inventor. Patent Cooperation Treaty (PCT) Enter PCT application number only if a U.S. Application Number has not been assigned. PCT PCT PCT Number of Properties Enter the total number of properties involved: 1 Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$40.00 Method of Payment: Enclosed is a check in the amount of \$ Charge Deposit Account No. 07-0181in the amount of \$40.00 Authorization to Charge Additional Fees to Deposit Account No. 07-0181: Yes No Statement and Signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein. Brian C. Rupp August 8, 2005	If this document is	being filed together	with a new Patent A	pplication, enter the d	ate the patent	Month Day Year	
Patent Cooperation Treaty (PCT) Enter PCT application number only if a U.S. Application Number has not been assigned. PCT PCT PCT PCT PCT PCT PCT PCT					· F	1	
Enter PCT application number only if a U.S. Application Number has not been assigned. PCT PCT PCT PCT Number of Properties Enter the total number of properties involved: 1 Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$40.00 Method of Payment: Enclosed is a check in the amount of \$ Charge Deposit Account No. 07-0181in the amount of \$40.00 Authorization to Charge Additional Fees to Deposit Account No. 07-0181: Yes No Statement and Signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein. Brian C. Rupp August 8, 2005							
Number has not been assigned. PCT PCT PCT Number of Properties Enter the total number of properties involved: 1 Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$40.00 Method of Payment: Enclosed is a check in the amount of \$ Charge Deposit Account No. 07-0181in the amount of \$40.00 Authorization to Charge Additional Fees to Deposit Account No. 07-0181: Yes No Statement and Signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein. Brian C. Rupp August 8, 2005			U.S. Application	PCT	PCT	PCT	
Number of Properties Enter the total number of properties involved: 1 Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$40.00 Method of Payment: Enclosed is a check in the amount of \$ Charge Deposit Account No. 07-0181in the amount of \$40.00 Authorization to Charge Additional Fees to Deposit Account No. 07-0181: Yes No Statement and Signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein. Brian C. Rupp August 8, 2005			r de l'inneure ()	' - '	•		
Number of Properties Enter the total number of properties involved: 1 Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$40.00 Method of Payment: Enclosed is a check in the amount of \$ Charge Deposit Account No. 07-0181in the amount of \$40.00 Authorization to Charge Additional Fees to Deposit Account No. 07-0181: Yes No Statement and Signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein. Brian C. Rupp				PCT	PCT	PCT	
Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$40.00 Method of Payment: Enclosed is a check in the amount of \$ Charge Deposit Account No. 07-0181in the amount of \$40.00 Authorization to Charge Additional Fees to Deposit Account No. 07-0181: Yes No Statement and Signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein. Brian C. Rupp August 8, 2005				l. <u>-</u> ,			
Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$40.00 Method of Payment: Enclosed is a check in the amount of \$ Charge Deposit Account No. 07-0181in the amount of \$40.00 Authorization to Charge Additional Fees to Deposit Account No. 07-0181: Yes No Statement and Signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein. Brian C. Rupp August 8, 2005	Number of Properties			Enter the to	otal number of prop	erties involved: 1	
Fee Amount for Properties Listed (37 CFR 3.41): \$40.00 Method of Payment: ☐ Enclosed is a check in the amount of \$ ☐ Charge Deposit Account No. 07-0181 in the amount of \$40.00 Authorization to Charge Additional Fees to Deposit Account No. 07-0181: ☐ Yes ☐ No Statement and Signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein. Brian C. Rupp August 8, 2005							
Method of Payment:							
□ Enclosed is a check in the amount of \$ □ Charge Deposit Account No. 07-0181in the amount of \$40.00 Authorization to Charge Additional Fees to Deposit Account No. 07-0181: □ Yes □ No Statement and Signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein. Brian C. Rupp August 8, 2005							
☐ Charge Deposit Account No. 07-0181in the amount of \$40.00 Authorization to Charge Additional Fees to Deposit Account No. 07-0181: ☐ Yes ☐ No Statement and Signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein. Brian C. Rupp August 8, 2005							
Authorization to Charge Additional Fees to Deposit Account No. 07-0181: Yes No Statement and Signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein. Brian C. Rupp August 8, 2005							
Statement and Signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to depeelt ascount are authorized, as indicated herein. Brian C. Rupp August 8, 2005					1: ⊠ Yes 🗌 N	0	
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein. Brian C. Rupp August 8, 2005							
true copy of the original document. Charges to deposit account are authorized, as indicated herein. Brian C. Rupp August 8, 2005			elief, the foregoing i	information is true an	d correct and any a	ttached copy is a	
Brian C. Rupp August 8, 2005							
			1001	7.			
	Brian C. Rupp		Buc //	W	August 8, 2005		
		rson Signing	Sign	eture		ate	
011001004040774		- 0	- //		-		

CH02/ 22401077.1

PATENT REEL: 016617 FRAME: 0103

700201326

CH \$40.00 070181 11173618

Attorney Docket No. P251 PUSTENT

Gardner Carton & Douglas LLP 191 N. Wacker Drive, Suite 3700 Chicago, Illinois 60606-1698

ASSIGNMENT

WHEREAS, WE, Jae-hyun Kwak, Se-jin Lim and Soo-ho Kirn of (302) 419-157 Sadang 1-dong, Dongjak-gu, Seoul, Republic of Korea, 3-41 Yeouido Sibeom Apt., Yeouido-dong, Yeongdungpo-gu, Seoul, Republic of Korea and 3-201 Hyangwon Apt., 865-12 Ingye-dong, Paldal-gu, Suwon-si, Gyeonggi-do, Republic of Korea, respectively, have invented and own a certain invention entitled:

METHOD OF MANUFACTURING ANTENNA FOR RFID TAG

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 07/01/2005 , under U.S. Application No. 11/173,618

Samsung Techwin Co., Ltd., of 28 Sungju-dong, Changwon-city, Kyongsangnam-do, Republic of Korea (hereinafter referred to as Assignee), is desirous of acquiring the entire domestic and foreign right, title, and interest in and under the invention described in the patent application.

NOW, THEREFORE, for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, we assign and transfer to the Assignee and the Assignee's legal representatives, successors and assigns the full and exclusive rights in and to the invention in the U.S. and every foreign country and the entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and we do hereby authorize and request the Commissioner of Patents to issue U.S. patents to the above-mentioned Assignee agreeably with the terms of this assignment document.

WE HEREBY AUTHORIZE the Assignee to insert in this assignment document the filing date and application number of the application if the date and number are unavailable at the time this document is

UPON SAID CONSIDERATION, we convey to the Assignee the right to make application in its own behalf for protection of the invention in the U.S. and countries foreign to the U.S. and to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of the U.S. application (or any other application on the invention) to gain priority with respect to other applications.

WE DO HEREBY COVENANT and agree with the Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being

> PATENT REEL: 016617 FRAME: 0104

In re Appln. of Kwak et al. Attorney Docket No. p2511US

understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

IN WITNESS WHEREOF, we have hereunder set our hands on the dates shown below.

Date 29 June 2005	and he
-	Jae-hyun Kwak
Date	Witness
	-
n .	
Date	Witness
	·
Date 29 June 2005	
Date 29 June 2005	0.21
	Se-jin Lim
Date	Witness
Date	Witness
	Willess
D	//. /
Date 29 June 2005	Soo-ho Kim
D.:	
Date	Witness
Date	Witness
-	

2

PATENT
RECORDED: 08/08/2005 REEL: 016617 FRAME: 0105