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12-30-2004



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U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

OMB No. 0651-0027 (exp. 6/30/2005) 10291 Tab settings ⇔⇔ ♥ ▼	4683	
	Please record the attached original documents or copy thereof.	
Name of conveying party(ies):	2. Name and address of receiving party(ies)	
Joseph R. Cleveland	Name: Samsung Electronics Co., Ltd.	
Paul G. Nelson	Name: Samsung Electronics Co., Ltd. Internal Address: 416, Maetan-dong, Paldal-gu	
Additional name(s) of conveying party(ies) attached? Yes V	Suwon-city, Kyungki-do	
3. Nature of conveyance:	Republic of Korea	
Assignment Merger	Come as above	
Security Agreement Change of Name	Street Address: Same as above	
Other		
	City:State:Zip:	
Execution Date: <u>December 14, 2004, respectively</u>	Additional name(s) & address(es) attached? Yes V No	
4. Application number(s) or patent number(s):	12/14/04 respectively	
If this document is being filed together with a new appli	cation, the execution date of the application is:	
A. Patent Application No.(s)	B. Patent No.(s)	
Additional numbers att	ached? Yes Vo	
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:	
Name: Docket Clerk	7. Total fee (37 CFR 3.41)\$40.00	
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John T. Mockler, Registration No. 39,775 Name of Person Signing	MI Mickeln 15 Dec. 2004 Signature Date	
Total number of pages including cove	r sheet, attachments, and documents:	

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments

Washington, D.C. 20231

ASSIGNMENT

WHEREAS, We, Joseph R. Cleveland, resident of Murphy, Collin County, Texas, citizen of the United States of America, and Paul G. Nelson resident of Frisco, Collin County, Texas, citizen of the United States of America, have invented certain new and useful improvements in a "WIRELESS REPEATER USING A SINGLE RF CHAIN FOR USE IN A TDD WIRELESS NETWORK" disclosed in an application for United States Letters Patent (Application No. ________, filed ________), said application having been executed concurrently herewith;

WHEREAS, SAMSUNG ELECTRONICS CO., LTD, a corporation organized under the laws of the Republic of Korea, having a place of business at 416, Maetan-dong, Paldal-gu, Suwoncity, Kyungki-do, Republic of Korea (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring my entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, continuations-in-part and extensions thereof; We authorize William A. Munck or John T. Mockler of Davis Munck, P.C. to insert in the parenthesis above the application number and filing date of said application when known; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to the said ASSIGNEE of our entire right, title and interest.

We also hereby sell and assign to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and we further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

We hereby further agree that we will communicate to said ASSIGNEE, or to its successors, assigns and legal representatives, any facts known to us respecting any improvements; and, at the expense of said ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, and make all lawful oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection

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PATENT REEL: 016102 FRAME: 0687

Joseph R. Cleveland

STATE OF TEXAS

COUNTY OF Datas

STATE OF THE STATE

Notary Public, State of Texas

My Commission Expires:

7/9/05

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PATENT REEL: 016102 FRAME: 0688

Date: Decemb	er 14,2004
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Paul G. Nelson

STATE OF TEXAS	§
COUNTY OF DALLAS	9 §

On this 14 day of DECEMBEL, 2004, before me, a Notary Public in and for the State and County aforesaid, personally appeared Paul G. Nelson, known to me to be the person named above who signed and sealed the foregoing instrument, and acknowledged the same to be his/her own free act and deed.

ON STATE OF THE ST

Notary Public, State of Texas

My Commission Expires:

7/9/05

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RECORDED: 12/15/2004

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PATENT REEL: 016102 FRAME: 0689