

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Pavan Nuggehalli</td> <td>03/14/2013</td> </tr> <tr> <td>Ying Li</td> <td>03/14/2013</td> </tr> <tr> <td>Zhouyue Pi</td> <td>03/14/2013</td> </tr> <tr> <td>Richard Stirling-Gallacher</td> <td>03/14/2013</td> </tr> </tbody> </table>		Name	Execution Date	Pavan Nuggehalli	03/14/2013	Ying Li	03/14/2013	Zhouyue Pi	03/14/2013	Richard Stirling-Gallacher	03/14/2013		
Name	Execution Date												
Pavan Nuggehalli	03/14/2013												
Ying Li	03/14/2013												
Zhouyue Pi	03/14/2013												
Richard Stirling-Gallacher	03/14/2013												
RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>Samsung Electronics Co., Ltd</td> </tr> <tr> <td>Street Address:</td> <td>129, Samsung-ro</td> </tr> <tr> <td>Internal Address:</td> <td>Yeongtong-gu, Suwon-si</td> </tr> <tr> <td>City:</td> <td>Gyeonggi-do</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> <tr> <td>Postal Code:</td> <td>443-742</td> </tr> </table>		Name:	Samsung Electronics Co., Ltd	Street Address:	129, Samsung-ro	Internal Address:	Yeongtong-gu, Suwon-si	City:	Gyeonggi-do	State/Country:	KOREA, REPUBLIC OF	Postal Code:	443-742
Name:	Samsung Electronics Co., Ltd												
Street Address:	129, Samsung-ro												
Internal Address:	Yeongtong-gu, Suwon-si												
City:	Gyeonggi-do												
State/Country:	KOREA, REPUBLIC OF												
Postal Code:	443-742												
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>13833065</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13833065								
Property Type	Number												
Application Number:	13833065												
CORRESPONDENCE DATA													
<p>Fax Number: 9726283616 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 927-628-3600 Email: patents@munckwilson.com Correspondent Name: Docket Clerk - SAMS Address Line 1: P.O. Drawer 800889 Address Line 4: Dallas, TEXAS 75380</p>													
ATTORNEY DOCKET NUMBER:	2012.07.021.SR0												
NAME OF SUBMITTER:	Michael G. Rodriguez												
Total Attachments: 5													

CH \$40.00 13833065

source=Assignment#page1.tif
source=Assignment#page2.tif
source=Assignment#page3.tif
source=Assignment#page4.tif
source=Assignment#page5.tif

ASSIGNMENT

WHEREAS, We, Pavan Nuggehalli, resident of Mountain View, Santa Clara County, California, citizen of India, Ying Li, resident of Richardson, Collin County, Texas, citizen of China, Zhouyue Pi, resident of Allen, Collin County, Texas, citizen of USA and Richard Stirling-Gallacher, resident of Dallas, Dallas County, Texas, citizen of UK have invented certain new and useful improvements in "APPARATUS AND METHOD FOR RANDOM ACCESS WITH MULTIPLE ANTENNAS IN A 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 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742, 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, I 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; I authorize William A. Munck of Munck Wilson Mandala, LLP to insert in the parenthesis above the application number and filing date of said application when known; and I 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 my entire right, title and interest.

I 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 I 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.

I hereby further agree that I will communicate to said ASSIGNEE, or to its successors, assigns and legal representatives, any facts known to me 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 for said invention in all countries.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 14th day of MARCH, 2013.

N. S. Pavan
Pavan Nuggehalli

STATE OF TEXAS §
COUNTY OF _____ §

On this ____ day of _____, 2013, before me, a Notary Public in and for the State and County aforesaid, personally appeared Pavan Nuggehalli, 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.

Notary Public, State of Texas

My Commission Expires:

Date: 3/14/2013


Ying Li

STATE OF TEXAS

COUNTY OF _____

§
§
§

On this ____ day of _____, 2013, before me, a Notary Public in and for the State and County aforesaid, personally appeared Ying Li, 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.

Notary Public, State of Texas

My Commission Expires:

Date: 3/14/2013


Zhouyue Pi

STATE OF TEXAS

COUNTY OF _____

§
§
§

On this ____ day of _____, 2013, before me, a Notary Public in and for the State and County aforesaid, personally appeared Zhouyue Pi, 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.

Notary Public, State of Texas

My Commission Expires:

Date: 3/14/2013

R. A. Stirling-Gallacher
Richard Stirling-Gallacher

STATE OF TEXAS

COUNTY OF _____

§
§
§

On this ____ day of _____, 2013, before me, a Notary Public in and for the State and County aforesaid, personally appeared Richard Stirling-Gallacher, 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.

Notary Public, State of Texas

My Commission Expires:

LA\SAMS10\00586

-5-