

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2605383

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>SHULI GENG</td> <td>10/16/2013</td> </tr> <tr> <td>WOOGEUN RHEE</td> <td>10/16/2013</td> </tr> <tr> <td>JONG JIN KIM</td> <td>10/16/2013</td> </tr> <tr> <td>DONG WOOK KIM</td> <td>10/16/2013</td> </tr> <tr> <td>ZHIHUA WANG</td> <td>10/16/2013</td> </tr> </tbody> </table>		Name	Execution Date	SHULI GENG	10/16/2013	WOOGEUN RHEE	10/16/2013	JONG JIN KIM	10/16/2013	DONG WOOK KIM	10/16/2013	ZHIHUA WANG	10/16/2013
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<table border="1"> <tr> <td>Name:</td> <td>SAMSUNG ELECTRONICS CO., LTD.</td> </tr> <tr> <td>Street Address:</td> <td>129, SAMSUNG-RO, YEONGTONG-GU, SUWON-SI, GYEONGGI-DO 443-742</td> </tr> <tr> <td>City:</td> <td>SUWON-SI</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> </table>		Name:	SAMSUNG ELECTRONICS CO., LTD.	Street Address:	129, SAMSUNG-RO, YEONGTONG-GU, SUWON-SI, GYEONGGI-DO 443-742	City:	SUWON-SI	State/Country:	KOREA, REPUBLIC OF				
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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>13966644</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13966644								
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CORRESPONDENCE DATA													
Fax Number:	(202)315-3758												
Phone:	202-429-0020												
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OP \$40.00 13966644

ATTORNEY DOCKET NUMBER:	011052.0177
NAME OF SUBMITTER:	RANDALL S. SVIHLA
Signature:	/Randall S. Svihla/
Date:	11/06/2013
Total Attachments: 3 source=NTFMP20130906_0110520177_CDAExecuted#page1.tif source=NTFMP20130906_0110520177_CDAExecuted#page2.tif source=NTFMP20130906_0110520177_CDAExecuted#page3.tif	

COMBINED DECLARATION AND ASSIGNMENT UNDER 37 CFR 1.63(e)

DECLARATION

As a below-named inventor, I hereby declare that this declaration is directed to United States Application Number 13/966,644 filed on August 14, 2013, and amended on August 14, 2013, entitled:

APPARATUS AND METHOD FOR GENERATING GAUSSIAN PULSE AND ULTRA WIDEBAND COMMUNICATION APPARATUS FOR GENERATING GAUSSIAN PULSE

The above-identified application was made or authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in the above-identified application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

I have reviewed and understand the contents of the above-identified application, including the claims.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information that became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

ASSIGNMENT

For valuable consideration, I, as a below-named assignor, hereby assign to:

Samsung Electronics Co., Ltd.
129, Samsung-ro, Yeongtong-gu
Suwon-si, Gyeonggi-do 443-742
Republic of Korea

Tsinghua University
Haidian District
Beijing 100084
People's Republic of China

and their successors and assigns (collectively hereinafter called "the Assignees"), the entire right, title, and interest throughout the world in the inventions and improvements that are the subject of the application identified in the above declaration, which is United States Application Number 13/966,644 filed on August 14, 2013.

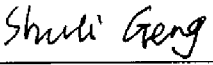
I authorize and request the attorneys appointed in the above-identified application to correct any typographical errors that may be discovered in this Assignment.


This Assignment includes the above-identified application, any and all United States and foreign patents, utility models, and design registrations granted for any of the inventions and improvements that are the subject of the above-identified application, and the right to claim priority based on the filing date of the above-identified application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignees to apply in all countries in my name or in their own names for patents, utility models, design registrations, like rights of exclusion, and inventors' certificates for any of the inventions and improvements that are the subject of the above-identified application; and I agree for myself and my heirs, legal representatives, and assigns without further compensation to perform such lawful acts and to sign such further applications, Assignments, preliminary


COMBINED DECLARATION AND ASSIGNMENT UNDER 37 CFR 1.63(e)

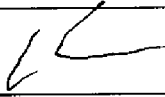
statements, and other lawful documents as the Assignees may reasonably request to effectuate fully this Assignment.

In witness whereof, I, as a below-named inventor and assignor, intending to be legally bound, have hereunto affixed my signature on the date indicated below next to my signature.

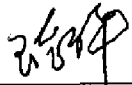
Inventor's Legal Name	Shuli Geng		
Inventor's Signature		Date	2013.10.16
Residence (City, Country)	Beijing, People's Republic of China		
Mailing Address	Institute of Microelectronics, Tsinghua University, Haidian District, Beijing 100084, People's Republic of China		

Inventor's Legal Name	Woogeun Rhee		
Inventor's Signature		Date	Oct 16, 2013
Residence (City, Country)	Beijing, People's Republic of China		
Mailing Address	Institute of Microelectronics, Tsinghua University, Haidian District, Beijing 100084, People's Republic of China		

Inventor's Legal Name	Jong Jin KIM		
Inventor's Signature		Date	Oct 16, 2013
Residence (City, Country)	Hwaseong-si, Republic of Korea		
Mailing Address	Samsung Advanced Institute of Technology, Mt. 14-1, Nongseo-dong, Giheung-gu, Yongin-si, Gyeonggi-do 446-712, Republic of Korea		

Inventor's Legal Name	Dong Wook KIM		
Inventor's Signature		Date	Oct 16, 2013
Residence (City, Country)	Seoul, Republic of Korea		
Mailing Address	Samsung Advanced Institute of Technology, Mt. 14-1, Nongseo-dong, Giheung-gu, Yongin-si, Gyeonggi-do 446-712, Republic of Korea		

COMBINED DECLARATION AND ASSIGNMENT UNDER 37 CFR 1.63(e)

Inventor's Legal Name	Zihua Wang		
Inventor's Signature		Date	Oct 16, 2013
Residence (City, Country)	Beijing, People's Republic of China		
Mailing Address	Institute of Microelectronics, Tsinghua University, Haidian District, Beijing 100084, People's Republic of China		