PATENT ASSIGNMENT

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SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT		
CONVEYING PARTY	(DATA	,		
Name			Execution Date	
Sung Jin Kim			04/15/2011	
Chang Soon Park			04/15/2011	
Hong Shuan Yang			04/01/2011	
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City: State/Country:	Suwon-si, Gyeonggi-do			
Postal Code:	443-742			
]	
Name:	Korea University Industrial & Academic Collaboration Foundation			
Street Address:	Korea Univ., Anam-dong 5(o)-ga, Seongbuk-gu			
City:	Seoul			
State/Country:	REPUBLIC OF KOREA			
Postal Code:	136-701			
PROPERTY NUMBE	RS Total: 1			
Property Type		Numl	ber	
Application Number:		3092806		

CORRESPONDENCE DATA

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PATENT REEL: 026171 FRAME: 0285

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ATTORNEY DOCKET NUMBER:	12000.SMG.0959		
NAME OF SUBMITTER:	Nicholas M. Stabler		
Total Attachments: 4 source=12000SMG0959_Assignment#page1.tif source=12000SMG0959_Assignment#page2.tif source=12000SMG0959_Assignment#page3.tif source=12000SMG0959_Assignment#page4.tif			

ASSIGNMENT

For valuable consideration, we,

Sung-Jin KIM	437-1901, Cheongmyeong Maeul Samsung Raemian Apt., Yeongtong-dong, Paldal-gu, Suwon-si, Gyeonggi-do, 443- 737 Korea Republic of Korea
Chang-Soon PARK	381-11 ho, Gyohyeon 2-dong, Chungju-si, Chungbuk, 380-951 Republic of Korea
Hong-Shuan YANG	Dept. of Electrical and Computer Engineering, University of Victoria, P.O. Box 3055 STN CSC, Victoria, B.C. V8W 3P6, CANADA

hereby assign to:

SAMSUNG ELECTRONICS CO., LTD., a Republic of Korea

corporation/institute/institution having principal executive office(s) or place of business at: 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742, Republic of

Korea; and

Korea University Industrial & Academic Collaboration

Foundation, a Republic of Korea corporation/institute/institution having principal

executive office(s) or place of business at: Korea Univ., Anam-dong 5(o)-ga, Seongbuk-

gu, Seoul 136-701, Republic of Korea; and

its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of U.S. Patent Application Number 13/092,806 filed 04/22/2011 at the U.S. Patent & Trademark Office signed by us, with title MULTI-USER MIMO COMMUNICATION SYSTEM AND METHOD USING FEEDBACK INFORMATION, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and application serial number of said application when known; this Assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said 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 we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, preliminary statements and other lawful documents as the Assignee may reasonably request to effectuate fully this Assignment.

> PATENT REEL: 026171 FRAME: 0287

IN TESTIMONY/WITNESS WHEREOF, we, undersigned inventors (Assignors) intending to be legally bound, have hereto affixed our signatures.

This Isth day of April, 2011

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firingins

Signature: Sung-Jin KIM

This 15th day of April , 2011

<u><u><u></u></u> Signature: Chang-Soon PARK</u>

This _____ day of _____, 2011

Signature: Hong-Shuan YANG

ASSIGNMENT

For valuable consideration, we,

Sung-Jin KIM	437-1901, Cheongmyeong Maeul Samsung Raemian Apt., Yeongtong-dong, Paldal-gu, Suwon-si, Gyeonggi-do, 443- 737 Korea Republic of Korea
Chang-Soon PARK	381-11 ho, Gyohyeon 2-dong, Chungju-si, Chungbuk, 380-951 Republic of Korea
Hong-Shuan YANG	Dept. of Electrical and Computer Engineering, University of Victoria, P.O. Box 3055 STN CSC, Victoria, B.C. V8W 3P6, CANADA

hereby assign to:

SAMSUNG ELECTRONICS CO., LTD., a Republic of Korea

corporation/institute/institution having principal executive office(s) or place of business at: 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742, Republic of

Korea; and

Korea University Industrial & Academic Collaboration

Foundation, a Republic of Korea corporation/institute/institution having principal

executive office(s) or place of business at: Korea Univ., Anam-dong 5(o)-ga, Seongbuk-

gu, Seoul 136-701, Republic of Korea; and

its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of U.S. Patent Application Number 13/092,806 filed 04/22/2011 at the U.S. Patent & Trademark Office signed by us, with title MULTI-USER MIMO COMMUNICATION SYSTEM AND METHOD USING FEEDBACK INFORMATION, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and application serial number of said application when known; this Assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said 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 we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, preliminary statements and other lawful documents as the Assignee may reasonably request to effectuate fully this Assignment.

> PATENT REEL: 026171 FRAME: 0289

IN TESTIMONY/WITNESS WHEREOF, we, undersigned inventors (Assignors) intending to be legally bound, have hereto affixed our signatures.

This ______ day of ______, 2011

Signature: Sung-Jin KIM

This _____ day of _____, 2011

Signature: Chang-Soon PARK

This 1st day of April, 2011

Signature: Hong-Shuan YANG

RECORDED: 04/22/2011