

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
Aris PAPASAKELLARIOU	02/01/2010
Young-Bum KIM	02/01/2010
Jianzhong ZHANG	02/01/2010
Joon-Young CHO	02/01/2010

**RECEIVING PARTY DATA**

Name:	Samsung Electronics Co., Ltd.
Street Address:	416, Maetan-dong, Yeongtong-gu
City:	Suwon-si, Gyeonggi-do
State/Country:	REPUBLIC OF KOREA

**PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	12697798

**CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	678-3645
NAME OF SUBMITTER:	Paul J. Farrell

Total Attachments: 3  
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OP \$40.00 12697798

**501082982**

**PATENT  
 REEL: 023886 FRAME: 0406**



ASSIGNMENT DOCKET NO. 678-3645 (P16893)

AS A BELOW NAMED INVENTOR, I, and each of us, individually hereby declare that: IN CONSIDERATION of the sum of TEN (\$10.00) dollars or the equivalent thereof, and other good and valuable consideration, the receipt of which from the hereinafter named Assignee is hereby acknowledged, I do hereby sell, assign and forever grant and convey unto:

ASSIGNEE: **Samsung Electronics Co., Ltd.**

ADDRESS: **416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do,  
Republic of Korea**

Who is my Assignee, and to the successes and assigns of my Assignee, all my right, title and interest, in and for the United States of America and all other countries, including all rights of priority, in and to the invention entitled:

TITLE: **TRANSMITTING UPLINK CONTROL INFORMATION OVER A DATA CHANNEL OR OVER A CONTROL CHANNEL**

invented by me (*if only one inventor is named below*) or us (*if more than one inventor is named below*) and described in an application for a United States patent the specification of which is either attached hereto or otherwise accompanies this Assignment or indicates an attorney docket no. 678-3645 (P16893), or is more particularly identified as:

X       executed on even date herewith, or  
i       Serial No. 12/697,798 filed in the U.S. Patent & Trademark Office on February 1, 2010  
or  
ii       executed on \_\_\_\_\_.

and in and to all United States patents which may be granted thereon and therefore, and in and to all certificates of corrections, divisions, continuations, continuations-in-part, reissued and re-examined patents, and to any extensions thereof, said interest being the entire ownership of the patent when granted, to be held and enjoyed by said **SAMSUNG ELECTRONICS CO., LTD.**, my Assignee, its successors, assigns or other legal representatives, to the full end of the term, terms, or any extension or renewal thereof, for which said patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment, sale and conveyance had not been made;

AND I hereby covenant and agree to sign and execute any further documents or instruments which may from time-to-time be either necessary, lawful, proper or requested by the Assignee, in the prosecution of the above-named application or in the preparation and prosecution of any certificate of correction, division, continuation, continuation-in-part, reissue, re-examination, in any amendment, extension, or interference proceeding, whether administrative or judicial, or otherwise, to secure the title hereto in said Assignee;

AND I do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Patent or Patents to the Assignee, and I hereby appoint as my, or our attorney, and authorize and request Paul J. Farrell, Reg. No. 33,494, to insert on this Assignment any further identification or to complete such identification which may be either necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.



And I further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I and we have set our hands and seals on the dates written beside my and our respective names:

<u>INVENTOR(S)</u>	<u>Date Signed</u>	<u>Witness(es)</u>
1) <u>A. Papasakellariou</u> Aris PAPASAKELLARIOU	(Seal) <u>Feb. 1, 2010</u>	<u>Soo-hyun OH</u>
2) _____ Young-Bum KIM	(Seal) _____	_____
3) <u>Jianzhong ZHANG</u>	(Seal) <u>Feb 1, 2010</u>	<u>Soo-hyun OH</u>
4) _____ Joon-Young CHO	(Seal) _____	_____

And I further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I and we have set our hands and seals on the dates written beside my and our respective names:

<u>INVENTOR(S)</u>	<u>Date Signed</u>	<u>Witness(es)</u>
1) _____ (Seal) _____ Aris PAPASAKELLARIOU	_____	_____
2)  _____ (Seal) _____ Young-Bum KIM	Feb. 1, 2010	Soo-hyun OHL
3) _____ (Seal) _____ Jianzhong ZHANG	_____	_____
4)  _____ (Seal) _____ Joon-Young CHO	Feb. 1, 2010	Soo-hyun OHL