

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Chang-hwan CHOI</td> <td>02/04/2010</td> </tr> <tr> <td>Tae-ung JUNG</td> <td>02/04/2010</td> </tr> <tr> <td>Hee-seon PARK</td> <td>02/04/2010</td> </tr> </tbody> </table>		Name	Execution Date	Chang-hwan CHOI	02/04/2010	Tae-ung JUNG	02/04/2010	Hee-seon PARK	02/04/2010
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>SAMSUNG ELECTRONICS CO., LTD.</td> </tr> <tr> <td>Street Address:</td> <td>416, Maetan-dong, 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>REPUBLIC OF KOREA</td> </tr> </table>		Name:	SAMSUNG ELECTRONICS CO., LTD.	Street Address:	416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742	City:	Suwon-si	State/Country:	REPUBLIC OF KOREA
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PROPERTY NUMBERS Total: 1									
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CORRESPONDENCE DATA									
<p>Fax Number: (202)315-3758</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 202-429-0020</p> <p>Email: info@nsiplaw.com</p> <p>Correspondent Name: North Star Intellectual Property Law, PC</p> <p>Address Line 1: P.O. Box 34688</p> <p>Address Line 4: Washington DC, DISTRICT OF COLUMBIA 20043</p>									
ATTORNEY DOCKET NUMBER:	12000.SMG.0691								
NAME OF SUBMITTER:	Charles Y. Park								
<p>Total Attachments: 4</p> <p>source=Assignment_smg691#page1.tif</p> <p>source=Assignment_smg691#page2.tif</p> <p>source=Assignment_smg691#page3.tif</p>									

OP \$40.00 12706254

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PATENT
REEL: 023939 FRAME: 0935

ASSIGNMENT

For valuable consideration, We,


- (1) Name: **Chang-hwan CHOI**
Address: 3-306 Plaza Apt., Dunchon-dong,
Gangdong-gu, Seoul, Republic of Korea
Nationality: Republic of Korea
- (2) Name: **Tae-ung JUNG**
Address: 1001-1901 Yeongtong Dranche Apt.,
Bangjuk Maeul, 707beonji, Mangpo-dong,
Yeongtong-gu, Suwon-si, Gyeonggi-do,
Republic of Korea
Nationality: Republic of Korea
- (3) Name: **Hee-seon PARK**
Address: 3-902 Jamwon Hansin Apt., Jamwon-dong,
Seocho-gu, Seoul, Republic of Korea
Nationality: Republic of Korea

hereby assign to:

SAMSUNG ELECTRONICS CO., LTD., a Republic of Korea corporation
having principal executive offices at: 416, Maetan-dong, Yeongtong-gu, Suwon-si,
Gyeonggi-do 443-742, 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 12/706,254 filed 02/16/2010 at the U.S. Patent & Trademark Office signed by us, with title **SERVER AND METHOD FOR PROVIDING SYNCHRONIZATION INFORMATION, CLIENT APPARATUS AND METHOD FOR SYNCHRONIZING ADDITIONAL INFORMATION WITH BROADCAST PROGRAM**, 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.

IN WITNESS WHEREOF, I hereto set my hand and seal this 4th day of
February _____, 2010

Signature: 
Chang-hwan CHOI

City of _____ ;

;

Country of _____ ;

Before me this _____ day of _____, 2010, personally appeared
known to me to be the person whose name is subscribed to the foregoing Assignment and
acknowledged that they executed the same as his free act and deed for the purposes therein
contained.

Witness or Notary Public

IN WITNESS WHEREOF, I hereto set my hand and seal this 4th day of
February _____, 2010

Signature: _____

Tae-ung JUNG

City of _____ :

Country of _____ :

Before me this _____ day of _____, 2010, personally appeared
known to me to be the person whose name is subscribed to the foregoing Assignment and
acknowledged that they executed the same as his free act and deed for the purposes therein
contained.

Witness or Notary Public

IN WITNESS WHEREOF, I hereto set my hand and seal this 4th day of
February, 2010

Signature: _____


Hee-seon PARK

City of _____ :

:

Country of _____ :

Before me this _____ day of _____, 2010, personally appeared
known to me to be the person whose name is subscribed to the foregoing Assignment and
acknowledged that they executed the same as his free act and deed for the purposes therein
contained.

Witness or Notary Public