

# PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<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>Weiwei CUI</td> <td>04/05/2010</td> </tr> <tr> <td>Ki Wan EOM</td> <td>04/05/2010</td> </tr> <tr> <td>Hyung-Joon LIM</td> <td>04/05/2010</td> </tr> </tbody> </table>		Name	Execution Date	Weiwei CUI	04/05/2010	Ki Wan EOM	04/05/2010	Hyung-Joon LIM	04/05/2010		
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<b>RECEIVING PARTY DATA</b>											
<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</td> </tr> <tr> <td>City:</td> <td>Suwon-si, Gyeonggi-do</td> </tr> <tr> <td>State/Country:</td> <td>REPUBLIC OF KOREA</td> </tr> <tr> <td>Postal Code:</td> <td>443-742</td> </tr> </table>		Name:	Samsung Electronics Co., Ltd.	Street Address:	416, Maetan-dong, Yeongtong-gu	City:	Suwon-si, Gyeonggi-do	State/Country:	REPUBLIC OF KOREA	Postal Code:	443-742
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<b>PROPERTY NUMBERS Total: 1</b>											
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<b>CORRESPONDENCE DATA</b>											
<p>Fax Number: (202)315-3758  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: (202) 429-0020        Email: email@nsiplaw.com        Correspondent Name: North Star Intellectual Property Law, PC        Address Line 1: P.O. Box 34688        Address Line 4: Washington, DISTRICT OF COLUMBIA 20043</p>											
ATTORNEY DOCKET NUMBER:	12000.SMG.0704										
NAME OF SUBMITTER:	Randall S. Svihla										
<p>Total Attachments: 4          source=20100414_12000SMG0704_AssignmentAsFiled#page1.tif          source=20100414_12000SMG0704_AssignmentAsFiled#page2.tif</p>											

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**PATENT**  
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## ASSIGNMENT

For valuable consideration, We,

- |     |              |   |
|-----|--------------|---|
| (1) | Name:        | <b>Weiwei CUI</b>   |
|     | Address:     | B-101 Dormitory of Samsung Advanced Institute of Technology, Mt. 14-1, Nongseo-dong, Giheung-gu, Yongin-si, Gyeonggi-do, 446-712, Republic of Korea |
|     | Nationality: | China   |
| (2) | Name:        | <b>Ki Wan EOM</b>   |
|     | Address:     | 139-1703 Hwanggol Maeul 1-Danji Apt. Yeongtong-dong, Yeongtong-gu, Suwon-si Gyeonggi-Do, 443-740, Republic of Korea                                 |
|     | Nationality: | Republic of Korea   |
| (3) | Name:        | <b>Hyung-Joon LIM</b>   |
|     | Address:     | 405-908 Jugong 4-Danji Apt. Uman 1-dong, Paldal-gu, Suwon-si, Gyeonggi-Do, 442-750 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 \_\_\_\_\_ filed \_\_\_\_\_ at the U.S. Patent & Trademark Office signed by us, with title **DIRECTION OF ARRIVAL ESTIMATION APPARATUS AND METHOD THEREOF**, 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 5<sup>th</sup> day of April, 2010

Signature: Weiwei Cui  
Weiwei CUI

City of Suwon :

:

Country of KOREA :

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 5<sup>th</sup> day of April, 2010

Signature:   
Ki Wan EOM

City of Seoul :

:

Country of Korea :

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 05 day of  
04, 2010

Signature: \_\_\_\_\_

Hyung-Joon LIM

City of Seuwan :

Country of KOREA :

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  
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\_\_\_\_\_  
Witness or Notary Public