

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Sang-Chul KO	10/05/2010
Young-Tae KIM	10/05/2010
Jung-Ho KIM	10/05/2010
Jung-Woo CHOI	10/05/2010

RECEIVING PARTY DATA

Name:	SAMSUNG ELECTRONICS CO., LTD.
Street Address:	416, Maetan-dong, Yeongtong-gu
City:	Suwon-si, Gyeonggi-do 443-742
State/Country:	REPUBLIC OF KOREA

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12903347

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	12000.SMG.0845
NAME OF SUBMITTER:	Rachael Lea Leventhal

Total Attachments: 6
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ASSIGNMENT

For valuable consideration, We,

- (1) Name: **Sang-Chul KO**
Address: 310-502 Hyundai Apt., Gwangjang-dong, Gwangjin-gu,
Seoul, Republic of Korea
Nationality: Republic of Korea
- (2) Name: **Young-Tae KIM**
Address: 506-502 Panyowon Maeul 5danji Apt., Pangyo-dong,
Bundang-gu, Seongnam-si, Gyeonggi-do,
Republic of Korea
Nationality: Republic of Korea
- (3) Name: **Jung-Ho KIM**
Address: 503-903 Kumho bestville 1-5danji Apt., Sanghyeon-dong,
Suji-gu, Yongin-si, Gyeonggi-do, Republic of Korea
Nationality: Republic of Korea
- (4) Name: **Jung-Woo CHOI**
Address: 344-101 World Bando Apt., Sibeom Daeun Maeul,
Bansong-dong, Hwaseong-si, Gyeonggi-do,
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 12/903,347 filed October 13, 2010 at the U.S. Patent & Trademark Office signed by us, with title **APPARATUS AND METHOD FOR GENERATING ACOUSTIC RADIATION PATTERN**, 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 5th day of
October, 2010

Signature:  _____
Sang-Chul KO

City of Seoul :

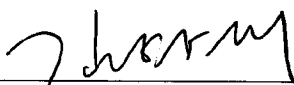
:

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 5th day of
October, 2010

Signature: 
Young-Tae KIM

City of Seongnam:

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 5th day of
October, 2010

Signature: 
Jung-Ho KIM

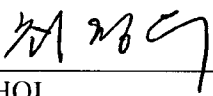
City of Yong In - Si :

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 5th day of
October, 2010

Signature: 
Jung-Woo CHOI

City of Hwaseong :

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