

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Young-tack HOUNG	02/11/2008
Sang-wook KWON	02/11/2008
In-sang SONG	02/11/2008
Seung Seob LEE	03/08/2008
Kangwon LEE	02/11/2008
Seok Woo LEE	03/10/2008
Phillip LEE	02/11/2008
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
Name:	KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY
Street Address:	373-1, Guseong-dong, Yuseong-gu
City:	Daejeon
State/Country:	REPUBLIC OF KOREA
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12048499
CORRESPONDENCE DATA	
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Correspondent Name:	Ki KIM

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PATENT
REEL: 020653 FRAME: 0877

Address Line 1:	P.O. Box 9271
Address Line 4:	Reston, VIRGINIA 20195

ATTORNEY DOCKET NUMBER:	366716-P0004
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NAME OF SUBMITTER:	Bert E. Lee
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Total Attachments: 3 source=366716-P0004#page1.tif source=366716-P0004#page2.tif source=366716-P0004#page3.tif

ASSIGNMENT OF APPLICATION

WHEREAS, I/we,

Young-tack HOUNG of Suwon-si, Republic of Korea,
Sang-wook KWON of Seongnam-si, Republic of Korea,
In-sang SONG of Seoul, Republic of Korea,
Seung Seo LEE of Daejeon, Republic of Korea,
Kangwon LEE of Daejeon, Republic of Korea,
Seok Woo LEE of Gongju-si, Republic of Korea,
Phillip LEE of Seoul, Republic of Korea,

respectively; have invented certain new and useful improvements in: **"ANALOG-TO-DIGITAL (AD) CONVERTER USING RESONANCE FREQUENCY SHIFTING AND VOLTAGE DETECTING DEVICE THEREOF"** (hereinafter referred to as the "Invention"), for which an application for Letters Patent was filed on March 14, 2008 (Application No. 12/048,499); and

WHEREAS, **Samsung Electronics Co., Ltd.**, having a place of business at 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea, and **Korea Advanced Institute of Science and Technology**, having a place of business at 373-1, Guseong-dong, Yuseong-gu, Daejeon, Republic of Korea, (hereinafter referred to as "ASSIGNEES"), are desirous of acquiring the full and exclusive right in and to said Invention and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, I/we, by these presents do sell, assign and transfer unto said ASSIGNEES, the full and exclusive right in and to said Invention in the United States and its territorial possessions and in any and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all subsequent applications based thereon including any and all divisions, continuations, substitutions, renewals and reissues thereof together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres.

I/we hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and in any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEES as the assignee of my/our entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEES and said ASSIGNEES' successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me/us had this Assignment and sale not been made.

Further, I/we agree that I/we will communicate to said ASSIGNEES or said ASSIGNEES' representatives any facts known to me/us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEES, make all rightful oaths, and, generally, do everything possible to aid said ASSIGNEES, and said ASSIGNEES' successors and assigns, to obtain and enforce proper protection for said Invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of DLA Piper US LLP, Attorneys at Law, 1775 Wiehle Avenue, Suite 400, Reston, Virginia 20190-5159, the power to insert on this Assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: Feb. 11, 2008

Young-tack HOUNG
Young-tack HOUNG

Date: Feb. 11, 2008

Sang-wook KWON
Sang-wook KWON

Date: Feb. 11, 2008

In-sang SONG

Date:

Seung Seob LEE

Date: 2008. 2. 11

Kangwon LEE
Kangwon LEE

Date:

Seok Woo LEE

Date: 2008. 2. 11

Phillip LEE
Phillip LEE

Date: _____

Young-Tack HOUNG

Date: _____

Sang-Wook KWON

Date: _____

In-Sang SONG

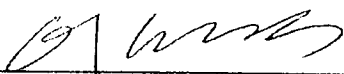
Date: 2008. 3. 8


Seung Seob LEE

Date: _____

Kangwon LEE

Date: 2008. 3. 10


Seok Woo LEE

Date: _____

Phillip LEE