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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Jong-jin Lee	07/22/2009
Hyun-seo Kang	07/22/2009
Jai-sang Koh	07/22/2009

RECEIVING PARTY DATA

Name:	Electronics and Telecommunications Research Institute	
Street Address:	161, Gajeong-dong, Yuseong-gu	
City:	Daejeon-si	
State/Country:	REPUBLIC OF KOREA	
Postal Code:	305-700	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12552275

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Total Attachments: 1

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CH \$40.00

PATENT REEL: 023185 FRAME: 0787

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ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned, <u>Jong-jin LEE</u>, <u>Hyun-seo KANG</u>, <u>Jai-sang KOH</u>

Hereby sell, assign, and transfer to: <u>Electronics and Telecommunications Research Institute</u> a corporation of <u>Republic of Korea</u>, having a principal place of business at: <u>161 Gajeong-dong, Yuseong-gu, Daejeon-si, 305-700 Republic of Korea</u> ("Assignee") its successors, assigns and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent,

[x] which has been executed by the undersigned concurrently herewith,		
[_] which was filed	and assigned Serial No. 12/552, 275	

and is entitled:

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and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: July 22, 2009

Date: July 22. 2007

Date: July 22, 2009

RECORDED: 09/02/2009

Name: Jong-jin LEE

Name: Hyun-seo KANC

Names lai-cang KOH

PATENT REEL: 023185 FRAME: 0788