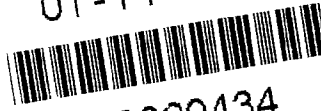


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1. Name of conveying party(ies): Jong-Kweon Park; Bong-Hyuk Park; Seung-Sik Lee; Jae-Young Kim; Sangsung Choi; Seoung-Hun Lee; Jung-Nam Lee

2. Name and address of receiving party(ies): Name: Electronics and Telecommunications Research Institute

Additional name(s) of conveying party(ies) attached? [X] No [] Yes

Internal Address: Street Address: 161, Gajeong-dong, Yuseong-gu

3. Nature of Conveyance: [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other

City: Daejeon 305-350 State: ZIP: Country: Republic of Korea

Execution Date: 12/10/2004, 12/13/2004, 12/14/2004

Additional name(s) & address(es) attached? [X] No [] Yes

4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: 12/10/04, 12/13/04, 12/14/04

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? [] No [] Yes

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Blakely, Sokoloff, Taylor & Zafman LLP

Internal Address:

Street Address: 12400 Wilshire Boulevard 7th Floor

City: Los Angeles State: CA ZIP: 90025

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41).....\$ 40.00

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PATENT REEL: 016141 FRAME: 0407

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ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged , the undersigned,

Park, Jong-Kweon; Park, Bong-Hyuk; Lee, Seung-Sik; Kim, Jae-Young; Sangsung Choi; Seoung-Hun Lee and Jung-Nam Lee

Hereby sells, assigns, and transfers to:

Electronics and Telecommunications Research Institute

a corporation of Republic of Korea, having a principal place of business at:

161, Gajeong-dong, Yuseong-gu, Daejeon 305-350, Republic of Korea, ("Assignee"), and 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,

which has been executed by the undersigned concurrently herewith,

which was filed _____ and assigned Serial No. _____

and is entitled:

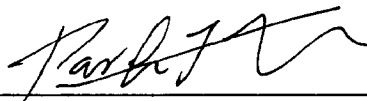
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and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; 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;

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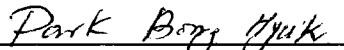
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Date: 12.13, 2004



Name: **Park, Jong-Kweon**

Date: 12.14, 2004



Name: **Park, Bong-Hyuk**

Date: 12.14, 2004



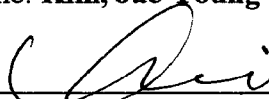
Name: **Lee, Seung-Sik**

Date: 12.14, 2004



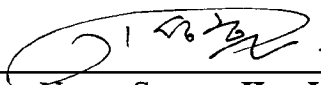
Name: **Kim, Jae-Young**

Date: 12-14, 2004



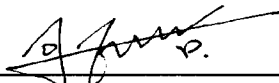
Name: **Sangsung Choi**

Date: 12.10, 2004



Name: **Seoung-Hun Lee**

Date: 12.10, 2004



Name: **Jung-Nam Lee**