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1. Name of conveying party(ies):

**Won-Sik Cheong; Kyuheon Kim; Gwang
Hoon Park; Yoon Jin Lee; Jinwoong Kim;
Chieteuk Ahn**

2. Name and address of receiving party(ies):

Name: **Electronics and Telecommunication
Research Institute**

Additional name(s) of conveying party(ies) attached?

☒ No ☐ Yes

Internal Address:

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

3. Nature of Conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ OtherCity: **Daejeon 305-350** State: ZIP:Country: **Republic of Korea**Execution Date: **05/17/2004, 05/21/2004**Additional name(s) & address(es) attached? ☐ 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: **05/17/2004
05/21/2004**

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:

17. Total Fee (37 CFR 3.41).....\$ **40.00**☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit Account Number:

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*To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.***Eric S. Hyman**

Name of Person Signing

Signature

Date

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Recordation Form Cover Sheet - Page 2 **DJ11 Res U PCI/PTC 25 MAY 2004**

**Kohwang Foundation
Hoegi-dong, Dongdaemun-gu
Seoul 130-701,
Republic of Korea**

Attorney's Docket No : 51876.P628f

ASSIGNMENT

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

**CHEONG, Won-Sik; KIM, Kyuheon; LEE, Yoon-Jin ; KIM, Jinwoong and
AHN, Chieteuk**

Hereby sells, assigns, and transfers to:

Electronics and Telecommunications Research Institute and Kohwang Foundation

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

161, Gaicong-dong, Yuseong-gu, Daejeon 305-350, Republic of Korea and 1, Hoegi-dong,
Dongdaemun-gu, Seoul 130-701, 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,

[X] which was filed 26/11/2002 and assigned Serial No. PCT/KR2002/002215

and is entitled:

**INTELLIGENT WATER RING SCAN APPARATUS AND METHOD BASED ON QUALITY
FACTOR, AND VIDEO ENCODING/DECODING APPARATUS AND METHOD USING THE SAME**

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: May 21, 2004Won-sik Cheong
Name: CHEONG, Won-SikDate: May 21, 2004Kyuheon Kim
Name: KIM, KyuheonDate: 5, 17, 2004Yoon-Jin Lee
Name: LEE, Yoon-JinDate: May 21, 2004Jinwoong Kim
Name: KIM, JinwoongDate: May 17, 2004Chieteuk Ahn
Name: AHN, Chieteuk

ASSIGNMENT

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

PARK, Gwang-Hoon

Hereby sells, assigns, and transfers to:

Electronics and Telecommunications Research Institute and Kohwang Foundation

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

161, Gajeong-dong, Yuseong-gu, Daejeon 305-350, Republic of Korea and 1, Hoegi-dong,

Dongdaemun-gu, Seoul 130-701, 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,

[X] which was filed 26/11/2002 and assigned Serial No. PCT/KR2002/002215

and is entitled:

INTELLIGENT WATER RING SCAN APPARATUS AND METHOD BASED ON QUALITY FACTOR, AND VIDEO ENCODING/DECODING APPARATUS AND METHOD USING THE SAME

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: MAY 14, 2004

Park Gwang-Hoon
Name: **PARK, Gwang-Hoon**