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To the Honorable Commissioner of Patents

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documents or copy thereof.

1. Name of conveying party(ies):

**Sungsoo CHOI, Hui-Myung OH,
Kwan-Ho, KIM, Yoan SHIN,
Won Cheol LEE, Woon-Yong PARK
and Youngjin PARK**

2. Name and address of receiving party(ies)

Name: **KOREA ELECTROTECHNOLOGY
RESEARCH INSTITUTE**

Internal Address:

Street Address: **28-1, Seongju-dong, Changwon-si**

Gyeongsangnam-do 641-120, Republic of Korea

City: State: Zip:

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date: **December 21, 2004**

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

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: **December 21, 2004**

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: **Richard L. Byrne**

Internal Address: **Webb Ziesenheim Logsdon**

Orkin & Hanson, P.C.

Street Address: **700 Koppers Building**

436 Seventh Avenue

City: **Pittsburgh** State: **PA** Zip: **15219**

6. Total number of applications and patents involved: **1**

7. Total fee (37 CFR 3.41)..... \$ **40.00**

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

23-0650

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9. Statement and signature.

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

Richard L. Byrne, Reg.No.28,498

Name of Person Signing

Signature

December 28, 2004

Date

Total number of pages including cover sheet, attachments, and documents: **4**

Mail documents to be recorded with required cover sheet information to:

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**PATENT
REEL: 016139 FRAME: 0210**

ASSIGNMENT

WHEREAS, we,

CHOI, Sungsoo, residing in, 164-7, Bundang-dong, Bundang-gu, Seongnam-si, Gyeonggi-do 463-832, Republic of Korea ;

OH, Hui-Myung, residing in 207-908, Samik Green 1cha Apt., Myeongil 1-dong, Gangdong-gu, Seoul 134-781 Republic of Korea;

KIM, Kwan-Ho, residing in 1-1206, Shindong-a Apt., Myeongil 2-dong, Gangdong-gu, Seoul 134-786, Republic of Korea

SHIN, Yoan, residing in 10-1401, Daelim Apt. , Sadang 3-dong, Dongjak-gu, Seoul 156-775, Republic of Korea

LEE, Won Cheol , residing in 103-206, Daewoo Apt., Banpo 2-dong, Seocho-gu, Seoul 137-042, Republic of Korea

PARK, Woon-Yong, residing in 456-1, Myeonmok 3-dong, Jungnang-gu, Seoul 131-813, Republic of Korea

PARK, Youngjin, residing in 113-1406, Daewoo Apt., Pyongchon-dong, Dongan-gu, Anyang 75-2, Republic of Korea

have invented certain new and useful improvements in
"SYSTEM AND METHOD FOR ASYNCHRONOUS WIRELESS
POSITIONING BY ORDERED TRANSMISSION"

for which we have this day executed an application for United States Letters Patent;

AND, WHEREAS, KOREA ELECTROTECHNOLOGY RESEARCH INSTITUTE, residing in 28-1, Seongju-dong Changwon-si Gyeongsangnam-do 641-120, Republic of Korea


hereinafter called the "assignee", is desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed.

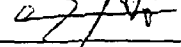
NOW, THEREFORE, for good and valuable consideration paid to me by said assignee, the receipt of which is hereby acknowledged, we do hereby assign, sell, transfer, and set over unto said assignee the entire right, title and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign

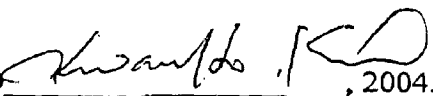
countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, continuations-in-part, renewals, and/or extensions thereof, said assignee to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, continuations, continuations-in-part, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by me had this assignment not been made.


The Commissioner for Patents is requested to issue such Letters Patent in accordance herewith. We covenant that we are the lawful owner of the said application, inventions, and improvements, that the same are unencumbered, that no license has been granted to make, use, or vend the said inventions or improvements or any of them, and that we have the full right to make this assignment.

And for the consideration aforesaid, we agree that we will communicate to said assignee or the representatives thereof any facts known to me respecting said inventions and improvements, and will, upon request, but without expense to us, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, continuation-in-part, renewal, and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts, deemed necessary or expedient by said assignee or by counsel for said assignee, to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This assignment shall be binding upon our heirs, executors, administrators, and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of said assignee.

EXECUTED , 2004. 12. 21
Inventor CHOI, Sungsoo

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Inventor OH, Hui-Myung

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