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FORM PTO-1595
P20363.P05

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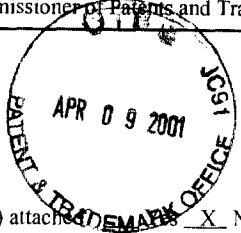


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To the Honorable Commissioner of Patents and Trademarks: Please record the attached

1. Name of Conveying party(ies):
Seung-won CHOI



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

2. Name and address of receiving party(ies)

Name: HANTEL CO., LTD.

Internal Address: _____

Street Address: 321-1 Shinsung Building, Yangjae-dong,

Seocho-ku, Seoul 137-130, Korea

City: _____ State: _____ ZIP: _____

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: March 15, 2001

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: _____

A. Patent Application No.(s)
09/734,670

B. Patent No.(s)

Additional numbers attached: Yes No

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

Name: Bruce H. Bernstein

Internal Address: P20363

Street Address: GREENBLUM & BERNSTEIN, P.L.C.

1941 Roland Clarke Place

City: Reston State: VA ZIP: 20191

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:

19-0089

(Attach duplicate copy of this page if paying by deposit account)

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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.

Bruce H. Bernstein, Reg. No. 29,027

Name of Person Signing

[Signature] Reg No 33,329

Signature

4/9/01

Date

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

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

PATENT
REEL: 011681 FRAME: 0067

LISTING OF ADDITIONAL RECEIVING PARTIES

Name : SAS TECHNOLOGIES CO., LTD.

Street address : Science Technology Center No. 407, Haengdang-dong 17,
Seongdong-ku, Seoul 133-791, Korea

ASSIGNMENT

WHEREAS, **Seung-won CHOI**, a citizen of Korea, whose post office address is Science Technology Center No. 407, Haengdang-dong 17, Seongdong-ku, Seoul 133-791, Korea, hereinafter referred to as the ASSIGNOR, has invented a certain improvement relating to

**SIGNAL PROCESSING METHOD FOR USE IN AN ARRAY ANTENNA SYSTEM IN
CDMA MOBILE TELECOMMUNICATIONS NETWORK AND RECORDING
MEDIUM THEREFOR**

for which he has executed an application for Letters Patent for the United States in the United States Patent and Trademark Office even date herewith.

If this Assignment is filed after the filing date of the above-identified application, the undersigned hereby authorize and request any one of the attorneys of record in this application, including Neil F. Greenblum, Reg. No. 28,394, Bruce H. Bernstein, Reg. No. 29,027, Arnold Turk, Reg. No. 33,094, and James L. Rowland, Reg. No. 32,674, of the firm Greenblum & Bernstein, P.L.C., whose address is 1941 Roland Clarke Place, Reston, Virginia 20191, to insert here in parenthesis (Application No. 09/734,670, filed on *) the filing date and application number of said application when known. * 12/13/2000

AND WHEREAS, **HANTEL CO., LTD.**, a corporation organized and existing under the laws of Republic of Korea, whose post-office address is 321-1 Shinsung Building, Yangjae-dong, Seocho-ku, Seoul 137-130, Korea, and **SAS TECHNOLOGIES CO., LTD**, a corporation organized and existing under the laws of Republic of Korea, whose post office address is Science Technology Center No. 407, Haengdang-dong 17, Seongdong-ku, Seoul 133-791, Korea, hereinafter known as the ASSIGNEES, are desirous of becoming joint owners with each having an equal undivided interest in the entire right, title and interest for the United States in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, and prolongations thereof.

NOW, THIS WITNESSETH that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNOR hereby assigns, sells and transfers to said ASSIGNEES, their assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, for the United States including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, said ASSIGNEES and their assigns and legal representatives to have, hold, exercise and enjoy the said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges, and advantages in any ways arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, and prolongations

thereof, for the use and benefit of said ASSIGNEES and their assigns and legal representatives in as ample and beneficial a manner to all intents and purposes as the said ASSIGNOR might or could have held and enjoyed the same, if this assignment had not been made.

AND said ASSIGNOR hereby agrees to execute all papers necessary to file applications in the United States for said invention and to assign the same to said ASSIGNEES, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon.

AND said ASSIGNOR authorizes and requests the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEES, their assigns and legal representatives, in accordance herewith.

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNOR, on the date indicated below.

Witnessed by:

Bong Soo Yeon 3/15/2001
Name Date
BONG, SOO-YEON March 15, 2001

Choi Seungwon March 15, 2001
Seung-won CHOI Date

Lee Hee Jeong March 15, 2001
Name Date
LEE, HEE-JEONG March 15, 2001