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3/15/02



Form PTO-1595 (Rev. 03/01)

COVER SHEET

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OMB No. 0651-0027

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Chin Keong Ho  
Ping He  
Sumei Sun

2. Name and address of receiving party(ies)

Name: The National University of Singapore

Internal Address:

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

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other

Street Address: 10 Kent Ridge Crescent

City: Singapore State: Zip: 119260

Execution Date: 03/15/02

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: 03/15/02

A. Patent Application No.(s)

10098726

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Ryan A. Schneider

Internal Address: Troutman Sanders LLP

Street Address: 600 Peachtree Street

Suite 5200

City: Atlanta State: GA Zip: 30308

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:

20-1507

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9. Signature.

Ryan A. Schneider

Name of Person Signing

Signature

15 March 2002

Date

Total number of pages including cover sheet, attachments, and documents: 3

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

Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

03/21/2002 WABDELRI 00000004 10098726

04 FC:581

40.00 DP

PATENT REEL: 012708 FRAME: 0441

# ASSIGNMENT

WHEREAS, I/we, **HO Chin Keong, HE Ping and SUN Sumei** have invented certain improvements in a **Method and Apparatus for Frequency Offset Estimation, and System Utilizing same** for which a non-provisional patent application has been prepared for filing with the United States Patent Office and, whereas

**The National University of Singapore**  
**10 Kent Ridge Crescent,**  
**Singapore 119260**

desires to purchase the same;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable considerations paid by the said


**The National University of Singapore**

the receipt and sufficiency of which are hereby acknowledged, I/we have and by these presents do hereby sell, assign, transfer and convey unto the said

**The National University of Singapore**

in and for the United States and its territories and for foreign countries, the entire right, title and interest in and to said application and any other intellectual property claiming priority thereto, in and to the inventions therein set forth, and in and to any other U.S., International and/or Foreign patent or other intellectual property now known or in the future that may issue on or claim priority to said application, and/or any conventional, division, continuation, continuation-in-part, reissue, renewal, reexam, continued prosecution application ("CPA"), or Request for Continued Examination ("RCE") thereof; and we hereby bind ourselves, our heirs, legal representatives, administrators and assigns properly to execute without further consideration, any and all applications, petitions, oaths and assignments or other papers and instruments that may be necessary in order to carry into full force and effect the sale, assignment, transfer and conveyance hereby made or intended to be made.

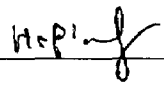
IN WITNESS WHEREOF, we have hereunto set our hand and seal this 15 day of March, 2002.

HO CHIN KEONG  (SEAL)  
Name

State of Singapore)

15 March 2002  
Date

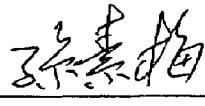
Country of Singapore)

HE PING  (SEAL)  
Name

State of Singapore)

15 March 2002  
Date

Country of Singapore)

SUN SUMEI  (SEAL)  
Name

State of Singapore)

15 March 2002  
Date

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RECORDED: 03/15/2002

PATENT  
REEL: 012708 FRAME: 0442