

4-20-05  
BOX ASSIGNMENTS

04-29-2005

DO NOT USE FOR TRADEMARKS

RE  
PATT  
NLY

TO THE DIRECTOR OF THE U.S. PATENT

SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENT

THEREOF.

## 1. NAME OF CONVEYING PARTY(IES) (ASSIGNOR(S)):

(1) William E. HOLLAND

(5) Harold T. SIMMONDS

(2) Wenzhe LUO

(6) Lizhong SUN

(3) Zhigang MA

(7) Xiangqun SUN

(4) Dale H. NELSON

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED?

☐ YES☒ NO

## 2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: Agere Systems Inc.

ADDRESS: 1110 American Parkway, NE, Allentown, Pennsylvania 18109

ADDITIONAL NAME(S) &amp; ADDRESS(ES) ATTACHED?

☐ YES☒ NO

## 3. NATURE OF CONVEYANCE (DOCUMENT):

(Submit herewith only one document for recordation – multiple copies of same Assignment signed by different inventors is one document.)☒ ASSIGNMENT OF:☒ WHOLE☐ PART INTEREST

EXEC. DATE: May 21, 2002

☐ CHANGE OF NAME☐ VERIFIED TRANSLATION☐ SECURITY☐ MERGER☐ OTHER:

## 4. EXECUTION DATES(S) ON THE DECLARATION IF FILED HEREWITH: May 21, 2002

(NOTE: IF DATES ↑↓ DIFFER, SEE ATTORNEY!!)

## 4.5 APPL. OR PATENT NUMBER(S) – OTHERS ON ADD'L SHEET(S) ATTACHED?

☐ YES☒ NOA. PAT. APP. NO.(S)  
series code/serial no.

MATTER #

1ST INVENTOR if  
not in item 1

B. PATENT NO(S)

MATTER #

1ST INVENTOR  
if not in item 1

20-363

Holland

5. Name & Address of Party to Whom Correspondence  
Concerning Document Should be Mailed:

MANELLI DENISON &amp; SELTER PLLC

2000 M Street, NW Suite 700  
Washington, DC 20036

6. NUMBER INVOLVED:

APPLNS 1 + PATS = TOTAL 1

7. AMOUNT OF FEE ENCLOSED: (Code 581) .....  
ABOVE TOTAL X \$40 = \$40

## 5.5 ATTORNEY DOCKET:

8. IF ABOVE FEE IS MISSING OR INADEQUATE, CHARGE  
INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 50-0687

20-363

Holland 3-17-18-28-2-6-2

UNDER ORDER NO: 20-363

Holland 3-17-18-28-2-6-2

MATTER NO.

CLIENT REFERENCE

duplicate sheet not required

CLIENT/MATTER

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.

Attorney: William H. Bollman

Reg. No. 36,457

WHB/jtm

TEL. (202) 261-1020

DATE: April 20, 2005

FAX. (202) 887-0336

10. Total number of pages including this  
cover sheet, attachments and document  
(do not file duplicate cover sheet)

9

FILE WITH PTO RETURN RECEIPT

04/21/2005 KBETEMAI 00000035 11109701

04 FC:8021

40.00 DP

PATENT  
REEL: 016494 FRAME: 0366

## ASSIGNMENT AND AGREEMENT

For value received, we, **William Eric HOLLAND** of **Lynchburg**, in **Lynchburg City** and State of **Virginia**, and **Wenzhe LUO**, of **Allentown**, in the County of **Lehigh** and State of **Pennsylvania**, and **Zhigang MA**, of **Allentown**, in the County of **Lehigh** and State of **Pennsylvania**, and **Dale H. NELSON**, of **Macungie**, in the County of **Lehigh** and State of **Pennsylvania**, and **Harold Thomas SIMMONDS**, of **Stewartsville**, in the County of **Warren** and State of **New Jersey**, and **Lizhong SUN**, of **Budd Lake**, in the County of **Mount Olive** and State of **New Jersey**, and **Xiangqun SUN**, of **Randolph**, in the County of **Morris** and State of **New Jersey** hereby sell, assign and transfer to **Agere Systems Inc.** a corporation of the State of **Delaware**, having an office at **1110 American Parkway NE, Allentown, Pennsylvania 18109, U.S.A.**, and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to **FRACTIONAL-N BASEBAND FREQUENCY SYNTHESIZER IN BLUETOOTH APPLICATIONS**, described in an application for Letters Patent of the United States, executed by us on even date herewith, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to **Agere Systems Inc.** the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize **Agere Systems Inc.** to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of **Agere Systems Inc.** to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said invention be issued to **Agere Systems Inc.** in the United States and in all countries foreign to the United States, or to such nominees as **Agere Systems Inc.** may designate.

We agree that, when requested, we shall, without charge to **Agere Systems Inc.** but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

  
**William Eric HOLLAND**

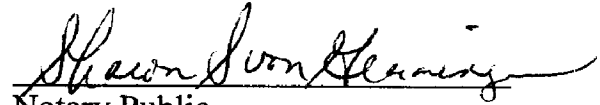
Date: 5-21-02

United States of America )

State of Virginia ) ss.:

County of ~~city of Lynchburg~~ )  
Bedford

On this 21 day of May, 200<sup>2</sup>~~1~~, before me personally came [William Eric HOLLAND], to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Public

*Wenzhe LUO*

Wenzhe LUO

Date: 4/25/02

United States of America )

State of Pennsylvania ) ss.:

County of Lehigh )

On this 25<sup>th</sup> day of April, 2002, before me personally came [Wenzhe LUO], to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

*Janet M. Garger*  
Notary Public

Notarial Seal  
Janet M. Garger, Notary Public  
Allentown, Lehigh County  
My Commission Expires Dec. 28, 2004  
Member, Pennsylvania Association of Notaries

Zhigang Ma  
Zhigang MA

Date: 4/25/02

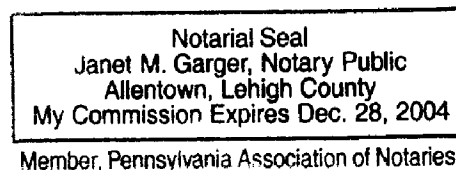
United States of America )

State of Pennsylvania ) ss.:

County of Lehigh )

On this 25<sup>th</sup> day of April, 200<sup>2</sup>1, before me personally came  
[Zhigang MA], to me known to be the individual described in and who executed the foregoing  
instrument, and acknowledged execution of the same.

Janet M. Garger  
Notary Public





**Dale H. NELSON**

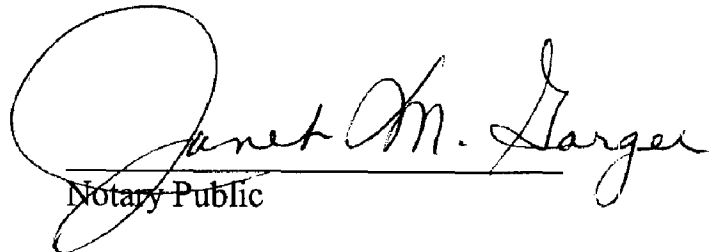
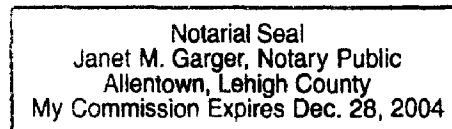
Date: 4/25/2002

United States of America )

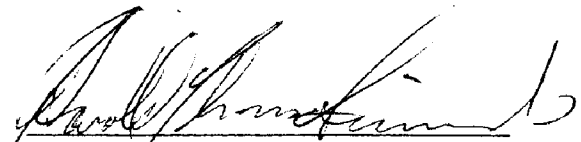
State of Pennsylvania ) ss.:

County of Lehigh )

On this 25<sup>th</sup> day of April, 2002, before me personally came  
[**Dale H. NELSON**], to me known to be the individual described in and who executed the  
foregoing instrument, and acknowledged execution of the same.

  
Notary Public

Member, Pennsylvania Association of Notaries

  
**Harold Thomas SIMMONDS**

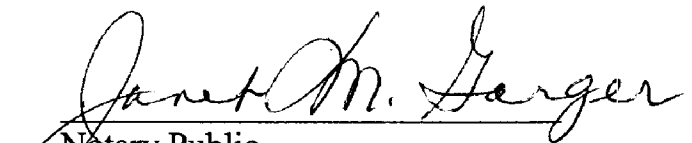
Date: 4/25/02

United States of America )

State of Pennsylvania ) ss.:

County of Lehigh )

On this 25<sup>th</sup> day of April, 200<sup>2</sup>1, before me personally came  
[**Harold Thomas SIMMONDS**], to me known to be the individual described in and who  
executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Public

Notarial Seal  
Janet M. Garger, Notary Public  
Allentown, Lehigh County  
My Commission Expires Dec. 28, 2004  
Member, Pennsylvania Association of Notaries

  
Lizhong SUN


Date: May 3, 2002

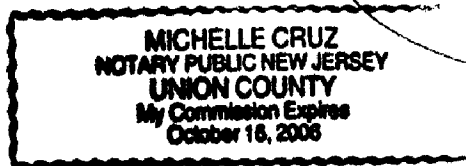
United States of America )

State of NEW JERSEY ) ss.:

County of UNION )

On this 3 day of MAY, 200<sup>2</sup>, before me personally came  
[**Lizhong SUN**], to me known to be the individual described in and who executed the foregoing  
instrument, and acknowledged execution of the same.

  
Notary Public





Xiangqun Sun  
Xiangqun SUN

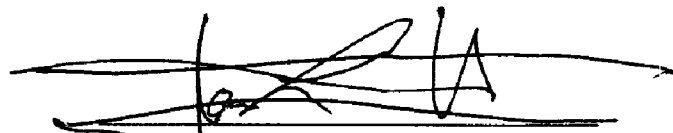
Date: May 7, 2002

United States of America )

State of New Jersey ) ss.:

County of Morris )

On this 7TH day of MAY, <sup>2002</sup>~~2001~~, before me personally came  
[**Xiangqun SUN**], to me known to be the individual described in and who executed the  
foregoing instrument, and acknowledged execution of the same.

  
Notary Public

Jae Kim  
Notary Public, of New Jersey  
My Commission Expires Sept. 12, 2006

Agere Systems Inc.