

# PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
Name	Execution Date
Wei Cheng Joseph Ku	05/09/2011
Paul Daniel Imthurn	05/17/2011
<b>RECEIVING PARTY DATA</b>	
Name:	CERTICOM (U.S.) LIMITED
Street Address:	1209 Orange Street
Internal Address:	The Corporation Trust Center
City:	Wilmington
State/Country:	DELAWARE
Postal Code:	19801
<b>PROPERTY NUMBERS Total: 1</b>	
Property Type	Number
Application Number:	13092735
<b>CORRESPONDENCE DATA</b>	
Fax Number:	(713)456-2836
Phone:	713-571-3400
Email:	paul.gonzales@novakdruce.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Correspondent Name:	NOVAK DRUCE + QUIGG, LLP
Address Line 1:	1000 Louisiana Street
Address Line 2:	53rd Floor
Address Line 4:	Houston, TEXAS 77002
ATTORNEY DOCKET NUMBER:	9500.005.NPUS00
NAME OF SUBMITTER:	Andrew Z. Weaver
<b>Total Attachments: 4</b> source=38435_Certicom_Assignment#page1.tif source=38435_Certicom_Assignment#page2.tif source=38435_Certicom_Assignment#page3.tif source=38435_Certicom_Assignment#page4.tif	

OP \$40.00 13092735

501697666

**PATENT**  
**REEL: 027095 FRAME: 0085**

**WORLDWIDE ASSIGNMENT**

WHEREAS, I/WE, (hereinafter referred to as the "ASSIGNOR(S)"):

**Wei Cheng Joseph Ku, 3600 Glen Canyon Road, Suite 1, Scotts Valley, CA 95066, U.S.A.; and**

**Paul Daniel Imthurn, 3600 Glen Canyon Road, Suite 1, Ext. 66293, Scotts Valley, CA 95066, U.S.A.**

has/have invented a **APPARATUS FOR PARALLEL ENTROPY ENCODING AND DECODING** ("Invention") for which one or more applications for patent, design registration, utility model registration, or other form of protection, rights, or title have been or will be made in certain countries ("Applications"), as further described below:

**United States Patent Application No. 13/092,735, filed April 22, 2011;**

**Canadian Patent Application No. 2,737,933, filed April 22, 2011; and**

**European Patent Application No. EP11163747.6, filed April 26, 2011**

AND WHEREAS, **CERTICOM (U.S.) LIMITED**, (hereinafter referred to as the "ASSIGNEE"), a company organized under the laws of the State of Delaware, U.S.A., having a place of business at The Corporation Trust Center, 1209 Orange Street, Wilmington, Delaware, 19801, U.S.A., is desirous of acquiring the full and exclusive right, title and interest in and to said Invention, said Applications inclusive of all ancillary rights relating thereto, any and all priority rights derived from said Applications, and all patents, design registrations, utility model registrations and other forms of protection, rights and titles relating to said Invention, in any country or countries and in respect of the whole or any part or parts of or improvements to the Invention;

NOW THEREFORE, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR(S) does/do hereby confirm that ASSIGNOR(S) has/have transferred, conveyed and assigned, and by way of further assurance does/do hereby transfer, convey and assign, any and all of ASSIGNOR(S)'s respective rights, title and interest in and to: the Invention; the Applications; any further applications for patent, design registration, utility model registration or other forms of protection, rights or titles for the whole or any part or parts of or improvements to the Invention in any country or countries ("Further Applications") together with the right to file divisional applications, substitute applications and continuation applications of any one or more of the Applications and Further Applications ("Divisionals"); the right to obtain patents, design registrations, utility model registrations and all other forms of protection, rights and titles relating to the Invention; the right in and to any patent or reissue patent relating to the Applications, Further Applications and Divisionals ("Grants"); and the right

to obtain any extensions / supplementary protection certificates ("Extensions"); together with the right to bring proceedings to recover damages and/or to obtain other remedies for acts committed in respect of one or more of the aforesaid Invention, Applications, Grants, Further Applications, Divisionals and Extensions, whether such acts are committed before or after the date of this Worldwide Assignment; with the intent that the Invention, Applications, Grants, Further Applications, Divisionals and Extensions are owned and enjoyed by ASSIGNEE absolutely to the full end of the term or terms for same.

ASSIGNOR(S) does/do hereby agree, upon request, to provide assistance and to execute any and all further documents, at the expense of ASSIGNEE and/or its successors and assigns (as applicable), which may be necessary or desirable to enable ASSIGNEE, and/or its successors and assigns (as applicable), to file, prosecute, bring proceedings and take other actions with respect to any and all of the Invention, Applications, Further Applications, Divisionals, Grants and Extensions, and any and all patents and registrations granted thereon and other forms of protection, rights and titles relating thereto, and ASSIGNOR(S) further agrees/agree to execute, upon request and at the expense of ASSIGNEE and/or its successors and assigns (as applicable), any and all further documents which may be necessary or desirable to vest or perfect the title of ASSIGNEE therein.

ASSIGNOR(S) does/do hereby authorize ASSIGNEE or its patent agents or attorneys to insert, above, the jurisdictions, application numbers, filing dates and any other indicia identifying the Applications when such information is available for the purpose of recording this assignment.

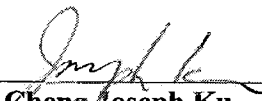
ASSIGNOR(S) does/do hereby authorize and request The Commissioner of Patents or any equivalent authority to issue to ASSIGNEE each and every patent, registration and other form of protection, right, and title granted upon the Applications, Further Applications, Divisionals and Extensions.

THIS WORLDWIDE ASSIGNMENT shall inure to the benefit of ASSIGNEE and its successors and assigns, and shall be binding upon ASSIGNOR(S) and their successors and permitted assigns.

DELIVERY of this Worldwide Assignment by copy, however transmitted, constitutes valid and effective delivery. This Worldwide Assignment may be executed in one or more counterparts, each of which when so executed and delivered shall be an original, and such counterparts shall together constitute one and the same instrument.

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

Date: 5/9/2011

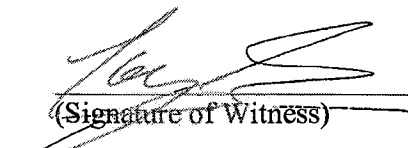
  
\_\_\_\_\_  
**Wei Cheng Joseph Ku**  
3600 Glen Canyon Road, Suite 1,  
Scotts Valley, CA 95066, U.S.A.

STATEMENT BY WITNESS

I, Tony San, whose full Post Office address is  
1035 Aster Ave #2123 Sunnyvale CA 94086  
\_\_\_\_\_  
(Address of Witness)

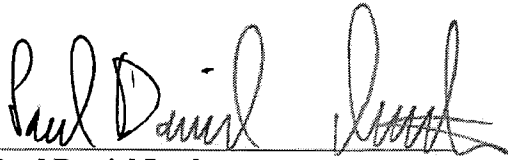
hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

Date: May 9, 2011

  
\_\_\_\_\_  
(Signature of Witness)

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

Date: 17 May 2011



**Paul Daniel Imthurn**  
3600 Glen Canyon Road, Suite 1, Ext. 66293,  
Scotts Valley, CA 95066, U.S.A.


STATEMENT BY WITNESS

I, Naresh Kansara, whose full Post Office address is

6544, Graystone Meadow circle San Jose CA 95120  
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

Date: 17 may 2011

  
(Signature of Witness)