

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Gilbert M. Wolrich</td> <td>09/14/2012</td> </tr> <tr> <td>Kirk S. Yap</td> <td>09/14/2012</td> </tr> <tr> <td>Vinodh Gopal</td> <td>09/14/2012</td> </tr> </tbody> </table>		Name	Execution Date	Gilbert M. Wolrich	09/14/2012	Kirk S. Yap	09/14/2012	Vinodh Gopal	09/14/2012
Name	Execution Date								
Gilbert M. Wolrich	09/14/2012								
Kirk S. Yap	09/14/2012								
Vinodh Gopal	09/14/2012								
RECEIVING PARTY DATA									
Name:	Intel Corporation								
Street Address:	2200 Mission College Boulevard								
City:	Santa Clara								
State/Country:	CALIFORNIA								
Postal Code:	95052								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13631143</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13631143				
Property Type	Number								
Application Number:	13631143								
CORRESPONDENCE DATA									
Fax Number:	4087208383								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	408-720-8300								
Email:	andy_radke@bstz.com								
Correspondent Name:	Blakely Sokoloff Taylor & Zafman LLP								
Address Line 1:	1279 Oakmead Parkway								
Address Line 4:	Sunnyvale, CALIFORNIA 94085								
ATTORNEY DOCKET NUMBER:	42P45863								
NAME OF SUBMITTER:	Kevin G. Shao								
Total Attachments: 2 source=P45863 Assignment signed#page1.tif source=P45863 Assignment signed#page2.tif									

CH \$40.00 13631143

PATENT

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned inventor(s):

Gilbert M. Wolrich, Kirk S. Yap and Vinodh Gopal,

hereby sell, assign, and transfer to:

Intel Corporation

a corporation of Delaware, having a principal place of business at 2200 Mission College Boulevard, Santa Clara, California, 95052 USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and improvements that are disclosed in the application (provisional or nonprovisional) for the United States patent entitled:

INSTRUCTION SET FOR SKEIN256 SHA3 ALGORITHM ON A 128-BIT PROCESSOR

the Declaration for which, in the case of a nonprovisional, has been executed by the undersigned prior hereto or concurrently herewith, said patent application which can also be identified as follows (if necessary):

(I hereby authorize and request my attorney, associated with Customer Number 45209, to insert on the designated lines below, the filing date and application number of said application when known.)

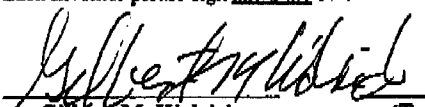
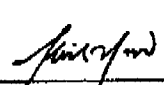

United States Patent Application Number 13/631,143 filed on 09/28/2012,

and in and to said application (nonprovisional or provisional) and all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all nonprovisional applications claiming priority to said application, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said inventions and improvements; and in and to all rights of priority resulting from the filing of said United States applications;

agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and

improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each Inventor please sign and Date below	
 _____ Gilbert M. Wolrich	9/14/12 _____ (Today's Date)
 _____ Kirk S. Yap	9/14/12 _____ (Today's Date)
 _____ Vinodh Gopal	9/14/12 _____ (Today's Date)