

## 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>Duy Lan Nguyen</td> <td>06/20/2012</td> </tr> <tr> <td>Tolga Acar</td> <td>06/20/2012</td> </tr> <tr> <td>Avradip Mandal</td> <td>06/21/2012</td> </tr> </tbody> </table>		Name	Execution Date	Duy Lan Nguyen	06/20/2012	Tolga Acar	06/20/2012	Avradip Mandal	06/21/2012
Name	Execution Date								
Duy Lan Nguyen	06/20/2012								
Tolga Acar	06/20/2012								
Avradip Mandal	06/21/2012								
RECEIVING PARTY DATA									
Name:	Microsoft Corporation								
Street Address:	One Microsoft Way								
City:	Redmond								
State/Country:	WASHINGTON								
Postal Code:	98052								
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>13529332</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13529332				
Property Type	Number								
Application Number:	13529332								
CORRESPONDENCE DATA									
Fax Number:	(425)836-8957								
Phone:	4258363030								
Email:	v-almich@microsoft.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:	Gonzalez Saggio & Harlan LLP c/o Albert								
Address Line 1:	704 - 228th Avenue NE								
Address Line 2:	Suite 193								
Address Line 4:	Sammamish, WASHINGTON 98074								
ATTORNEY DOCKET NUMBER:	335176.01								
NAME OF SUBMITTER:	Albert S. Michalik								
Total Attachments: 3 source=335176-01-Assignment#page1.tif source=335176-01-Assignment#page2.tif source=335176-01-Assignment#page3.tif									

OP \$40.00 13529332

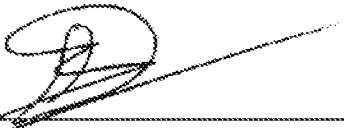
I/WE, Duy Lan Nguyen, Tolga Acar and Avradip Mandal ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Homomorphic Signatures and Network Coding Signatures" ("APPLICATION"), which:

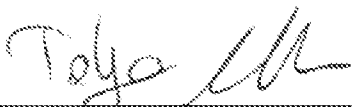
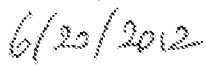
- will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052, who are associated with customer number 27063, to insert here in parenthesis (Application No. 13/529,332, filed June 21, 2012) this APPLICATION's Application No. and filing date, when known;
- was filed on \_\_\_\_\_ and was given Application No. \_\_\_\_\_;
- is filed concurrently herewith;

Microsoft Corporation, a Washington Corporation, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

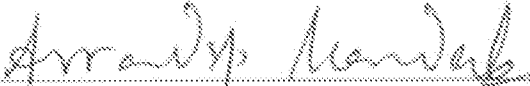
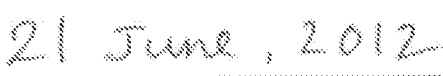


ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

	JUNE 20th 2012
Duy Lan Nguyen (Signature)	Date
DUY LAN NGUYEN	NGUYỄN DUY LÂN
Printed Name in English	Printed Name in Native Language (if other than English)

	
Tolga Acar (Signature)	Date
TOLGA ACAR	
Printed Name in English	Printed Name in Native Language (if other than English)

Avradip Mandal (Signature)	Date
Printed Name in English	Printed Name in Native Language (if other than English)

<hr/>	<hr/>
Tolga Acar (Signature)	Date
<hr/>	<hr/>
Printed Name in English	Printed Name in Native Language (if other than English)

	
Avradip Mandal (Signature)	Date
	
Printed Name in English	Printed Name in Native Language (if other than English)