

Form PTO-1595 (Rev. 07/05)
OMB No. 0651-0027 (exp. 6/30/2008)

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MS1 - 3659US

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)
 Kristin E. Lauter 08/13/08
 Ning Shang 08/06/2008
 Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
 Name: Microsoft Corporation
 Internal Address: _____
 Street Address: One Microsoft Way
 City: Redmond
 State: WA
 Country: _____ Zip: 98052
 Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):
 Execution Date(s) Listed in Box 1 above.
 Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

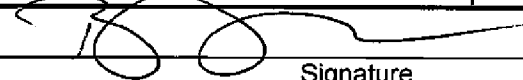
4. Application or patent number(s):
 A. Patent Application No.(s)
 12/125,834 filed 5/22/2008
 Additional numbers attached? Yes No

This document is being filed together with a new application.
 B. Patent No.(s)

5. Name and address to whom correspondence concerning document should be mailed:
 Name: Lee & Hayes, PLLC
 Internal Address: _____
 Street Address: 421 W Riverside Ave Ste 500
 City: Spokane
 State: WA Zip: 99201
 Phone Number: 509-324-9256
 Fax Number: 509-323-8979
 Email Address: _____

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
 Authorized to be charged by credit card
 Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information
 a. Credit Card Last 4 Numbers 1109
 Expiration Date 06/11
 b. Deposit Account Number _____
 Authorized User Name _____

9. Signature:  Signature 8-18-08 Date

Brian J. Pangre Reg # 42973 Total number of pages including cover sheet, attachments, and documents:
 Name of Person Signing

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

OP \$40.00 12125834

PATENT ASSIGNMENT

MS Docket No.: 321737.01
(OC Docket No.: MS1-3659US)

I/WE, Kristin E. Lauter, Ning Shang, , , , , , , , , , ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "ALGORITHMS FOR GENERATING PARAMETERS FOR GENUS 2 HYPERELLIPTIC CURVE CRYPTOGRAPHY" ("APPLICATION"), which:

will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Lee & Hayes, PLLC, 421 W. Riverside Avenue, Suite 500, Spokane, Washington 99201, who are associated with customer number 22801, to insert here in parenthesis (Application No. 12/125,834 , filed 5/22/2008) this APPLICATION's Application No. and filing date, when known;

was filed on 5/22/2008 and was given Application No. 12/125,834

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).

Kristin E. Lauter 8-13-08 Kristin E. Lauter
Inventor's Signature Date Printed Name In Native Language

Inventor's Signature Date Printed Name In Native Language

PATENT ASSIGNMENT

MS Docket No.: 321737.01
(OC Docket No.: MS1-3659U5)

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Kristin E. Lauter

Inventor's Signature

Date

Printed Name in Native Language

Ning Shang

8/6/2008

Ning Shang

Inventor's Signature

Date

Printed Name in Native Language