

PATENT ASSIGNMENT

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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>Satyanarayana V. Lokam</td><td>07/02/2009</td></tr><tr><td>Ajay Manchepalli</td><td>07/01/2009</td></tr><tr><td>Balasubramanyan Ashok</td><td>07/01/2009</td></tr><tr><td>Debapratim De</td><td>07/24/2009</td></tr><tr><td>Sandeep P. Karanth</td><td>07/01/2009</td></tr></tbody></table>		Name	Execution Date	Satyanarayana V. Lokam	07/02/2009	Ajay Manchepalli	07/01/2009	Balasubramanyan Ashok	07/01/2009	Debapratim De	07/24/2009	Sandeep P. Karanth	07/01/2009
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RECEIVING PARTY DATA													
<table border="1"><tr><td>Name:</td><td>Microsoft Corporation</td></tr><tr><td>Street Address:</td><td>One Microsoft Way</td></tr><tr><td>City:</td><td>Redmond</td></tr><tr><td>State/Country:</td><td>WASHINGTON</td></tr><tr><td>Postal Code:</td><td>98052</td></tr></table>		Name:	Microsoft Corporation	Street Address:	One Microsoft Way	City:	Redmond	State/Country:	WASHINGTON	Postal Code:	98052		
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
Fax Number: (206)359-7193 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Email: SKempe@perkinscoie.com Correspondent Name: Sara Kempe Address Line 1: P.O. Box 1247 Address Line 4: Seattle, WASHINGTON 98111-1247													
ATTORNEY DOCKET NUMBER:	418268510US												
NAME OF SUBMITTER:	Maurice J. Pirio												
Total Attachments: 4													

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PATENT ASSIGNMENT

MS Docket No.:325456.01
(OC Docket No. 418268510US)

I/WE, Satyanarayana V. Lokam, residing at Bangalore, India, with a post office address of c/o Microsoft Corporation, One Microsoft Way, Redmond, Washington 8052, Ajay Manchepalli, residing at Bangalore, India, with a post office address of c/o Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052, Balasubramanyan Ashok, residing at Redmond, Washington, with a post office address of c/o Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052, Debapratim De, residing at Redmond, Washington, with a post office address of c/o Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052, and Sandeep P. Karanth, residing at Bangalore, India, with a post office address of c/o Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052 ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "EXTENDING RANDOM NUMBER SUMMATION AS AN ORDER PRESERVING ENCRYPTION SCHEME" ("APPLICATION"), which:

- ☐ will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, Perkins Coie LLP, P.O. Box 1247, Seattle, WA 98111-1247, who are associated with customer number 45979, to insert here in parenthesis (Application No.: _____, filed _____) this APPLICATION's U.S. Serial Number and filing date, when known;
- ☒ was filed on May 28, 2009 and was given U.S. Serial No. 12/474,222;
- ☐ is filed concurrently herewith;

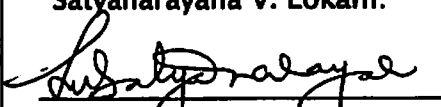
Microsoft Corporation, a Washington Corporation, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom,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

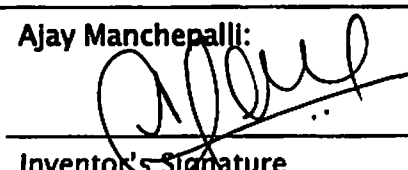
For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);


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).

PATENT ASSIGNMENT

MS Docket No.:325456.01
(OC Docket No. 418268510US)

Satyanarayana V. Lokam:	
 Inventor's Signature	<u>July 2, 2009</u> Date
<u>SATYANARAYANA V. LOKAM</u> Printed Name in English	 Printed Name in Native Language (if other than English)

Ajay Manchepalli:	
 Inventor's Signature	<u>JULY 1, 2009</u> Date
<u>AJAY MANCHEPALLI</u> Printed Name in English	 Printed Name in Native Language (if other than English)

Balasubramanyan Ashok:	
 Inventor's Signature	<u>July 1, 2009</u> Date
<u>B. ASHOK</u> Printed Name in English	 Printed Name in Native Language (if other than English)

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Debapratim De:

Debapratim De

Inventor's Signature

24TH JULY 2009

Date

DEBAPRATIM DE

Printed Name in English

Printed Name in Native Language (if
other than English)

Sandeep P. Karanth:

Inventor's Signature

Date

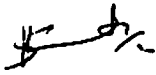
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Debapratim De:

Inventor's Signature_____
Date_____
Printed Name in English_____
Printed Name in Native Language (if
other than English)

Sandeep P. Karanth:



Inventor's Signature_____
Date

July 1 2009

SANDEEP P KARANTH_____
Printed Name in English_____
Printed Name in Native Language (if
other than English)