

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
GARY RATTERREE	09/02/2015
JEFF COX	09/11/2015
GERALD DEGRACE	09/11/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MICROSOFT TECHNOLOGY LICENSING, LLC
<b>Street Address:</b>	ONE MICROSOFT WAY
<b>City:</b>	REDMOND
<b>State/Country:</b>	WASHINGTON
<b>Postal Code:</b>	98052
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14852184
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(425)401-5199
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	2065698198
<b>Email:</b>	jim@liangip.com
<b>Correspondent Name:</b>	CHEN LIANG
<b>Address Line 1:</b>	14410 BEL-RED ROAD, SUITE 120
<b>Address Line 4:</b>	BELLEVUE, WASHINGTON 98007
<b>ATTORNEY DOCKET NUMBER:</b>	357684.01
<b>NAME OF SUBMITTER:</b>	CHEN LIANG
<b>SIGNATURE:</b>	/Chen Liang/
<b>DATE SIGNED:</b>	09/11/2015
<b>Total Attachments: 6</b>	
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I Gary Ratterree ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "BACKUP COMMUNICATIONS SCHEME IN COMPUTER NETWORKS" ("APPLICATION"), which:

will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representative, Microsoft Technology Licensing, LLC., One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on 9/11/2015 and given Application No. 14/852,184 by the following Office USPTO) this APPLICATION's Application No., filing date, and Office, when known;

was filed on \_\_\_\_\_ and was given Application No \_\_\_\_\_ by the following Office " \_\_\_\_\_";

Microsoft Technology Licensing, LLC, a Washington limited liability company, 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, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S LEGAL REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known;

Application No.	Filing Date	Office

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, ASSIGNOR's entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("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).

<u><i>Gary Ratterree</i></u>	<u>9/2/2015</u>
Inventor's Signature	Date
<u>Gary Ratterree</u>	<u></u>
Printed Name in English	Printed Name in Native Language (if other than English)

I Jeff Cox ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "BACKUP COMMUNICATIONS SCHEME IN COMPUTER NETWORKS" ("APPLICATION"), which:

will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representative, Microsoft Technology Licensing, LLC., One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on 9/11/2015 and given Application No. 14/852,184 by the following Office USPTO) this APPLICATION's Application No., filing date, and Office, when known;

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	<u>SEPT 11, 2015</u>
Inventor's Signature	Date
<u>Jeff Cox</u>	
Printed Name in English	Printed Name in Native Language (if other than English)



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	<u>9/11/2015</u>
Inventor's Signature	Date
<u>Gerald Degrace</u>	
Printed Name in English	Printed Name in Native Language (if other than English)