

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>David T. Harper</td> <td>12/10/2012</td> </tr> <tr> <td>Eric C. Peterson</td> <td>12/12/2012</td> </tr> <tr> <td>Mark A. Santaniello</td> <td>12/10/2012</td> </tr> </tbody> </table>		Name	Execution Date	David T. Harper	12/10/2012	Eric C. Peterson	12/12/2012	Mark A. Santaniello	12/10/2012
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David T. Harper	12/10/2012								
Eric C. Peterson	12/12/2012								
Mark A. Santaniello	12/10/2012								
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>13712995</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13712995				
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Application Number:	13712995								
CORRESPONDENCE DATA									
Fax Number:	4259367329								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	425-707-9382								
Email:	vffiling@microsoft.com								
Correspondent Name:	Assal Meftahi								
Address Line 1:	One Microsoft Way								
Address Line 2:	Patent Group Docketing Dept								
Address Line 4:	Redmond, WASHINGTON 98052								
ATTORNEY DOCKET NUMBER:	337670.01								
NAME OF SUBMITTER:	Shah Faisal Khan								

Total Attachments: 6

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I David T. Harper (“ASSIGNOR”) am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “Direct Network having Plural Distributed Connections to Each Resource” (“APPLICATION”), which:

will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE’S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE’S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on 13-DEC-2012 and given Application No. 13/712995 by the following Office US Patent and Trademark Office) this APPLICATION’s Application No., filing date, and Office, when known;

was filed on _____ and was given Application No. _____ by the following Office “_____”;

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”));

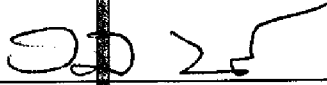
ASSIGNOR hereby authorizes, and requests, ASSIGNEE’S LEGAL REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known;

Application No.	Filing Date	Office

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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 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).

	<u>12/10/2012</u>
Inventor's Signature	Date
<u>David T. Harper</u>	
Printed Name in English	Printed Name in Native Language (if other than English)

I Eric C. Peterson ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Direct Network having Plural Distributed Connections to Each Resource" ("APPLICATION"), which:

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<p><u><i>Eric C Peterson</i></u> Inventor's Signature</p>	<p><u>12-12-2012</u> Date</p>
<p><u>Eric C. Peterson</u> Printed Name in English</p>	<p><u></u> Printed Name in Native Language (if other than English)</p>

PATENT ASSIGNMENT

MS Docket No.: 337670.01

I Mark A. Santaniello ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Direct Network having Plural Distributed Connections to Each Resource" ("APPLICATION"), which:

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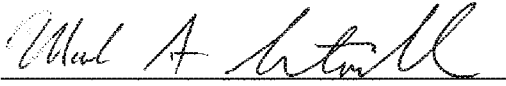
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 _____ Inventor's Signature	12/10/2012 _____ Date
Mark A. Santaniello _____ Printed Name In English	_____ Printed Name in Native Language (if other than English)