

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3200703

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the THIRD ASSIGNOR'S NAME previously recorded on Reel 032330 Frame 0260. Assignor(s) hereby confirms the ASSIGNMENT.
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HELGE GRENAGER SOLHEIM	02/28/2014
KATHRINE HAMMERVOLD	02/28/2014
KJETIL KROGVIG BERGSTRAND	02/28/2014
MORGAN LARSSON	02/28/2014
JOHANNES GEHRKE	02/28/2014
NIELS PETTER RASCH-OLSEN	02/28/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MICROSOFT CORPORATION
<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>	14194669
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(865)380-5999
<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>	612-332-5300
<b>Email:</b>	usdocket@microsoft.com
<b>Correspondent Name:</b>	CHRISTOPHER J. LEONARD
<b>Address Line 1:</b>	MERCHANT & GOULD (MICROSOFT)
<b>Address Line 2:</b>	P.O. BOX 2903
<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55402-0903
<b>ATTORNEY DOCKET NUMBER:</b>	14917.2419US01/340847.01
<b>NAME OF SUBMITTER:</b>	CHRISTOPHER J. LEONARD
<b>SIGNATURE:</b>	/Christopher J. Leonard/

**DATE SIGNED:**

01/28/2015

**Total Attachments: 13**

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## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT2749174

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>HELGE GRENAGER SOLHEIM</td> <td>02/28/2014</td> </tr> <tr> <td>KATHRINE HAMMERVOLD</td> <td>02/28/2014</td> </tr> <tr> <td>KJETIL KROGIVG BERGSTRAND</td> <td>02/28/2014</td> </tr> <tr> <td>MORGAN LARSSON</td> <td>02/28/2014</td> </tr> <tr> <td>JOHANNES GEHRKE</td> <td>02/28/2014</td> </tr> <tr> <td>NIELS PETTER RASCH-OLSEN</td> <td>02/28/2014</td> </tr> </tbody> </table>		Name	Execution Date	HELGE GRENAGER SOLHEIM	02/28/2014	KATHRINE HAMMERVOLD	02/28/2014	KJETIL KROGIVG BERGSTRAND	02/28/2014	MORGAN LARSSON	02/28/2014	JOHANNES GEHRKE	02/28/2014	NIELS PETTER RASCH-OLSEN	02/28/2014
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Phone:	612-332-5300														
Email:	tomary@merchantgould.com														
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>															
Correspondent Name:	MERCHANT & GOULD (MICROSOFT)														
Address Line 1:	P.O. BOX 2903														
Address Line 4:	MINNEAPOLIS, MINNESOTA 55402-0903														
ATTORNEY DOCKET NUMBER:	14917.2419US01/340847.01														
NAME OF SUBMITTER:	CHRISTOPHER J. LEONARD														

PATENT

REEL: 034828 FRAME: 0431

PATENT ASSIGNMENT

Attorney Docket No.: 14917.2419US01/340847.01

I Helge Grenager Solheim ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "SHADOWING LOCAL ON-PREMISES INFORMATION TO A CLOUD-BASED COMPUTING SYSTEM" ("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 03/01/2014 and given Application No. 14/194,669 by the following Office United States 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, including the right of property, 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



PATENT ASSIGNMENT

Attorney Docket No.: 14917.2419US01/340847.01

I Kathrine Hammervold ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "SHADOWING LOCAL ON-PREMISES INFORMATION TO A CLOUD-BASED COMPUTING SYSTEM" ("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 03/01/2014 and given Application No. 14/194,669 by the following Office United States Patent and Trademark Office) this APPLICATION's Application No., filing date, and Office, when known;

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Attorney Docket No.: 14917.2419US01/340847.01

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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, 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, and for the United States, its territories, and all foreign countries (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>Kathrine Hammervold</u>	<u>28 10 2014</u>
Inventor's Signature	Date
<u>Kathrine Hammervold</u>	<u></u>
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

Attorney Docket No.: 14917.2419US01/340847.01

KKB HWB  
Date 28/1/2015

Krogvig

I Kjetil Krogvig Bergstrand ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "SHADOWING LOCAL ON-PREMISES INFORMATION TO A CLOUD-BASED COMPUTING SYSTEM" ("APPLICATION"), which:

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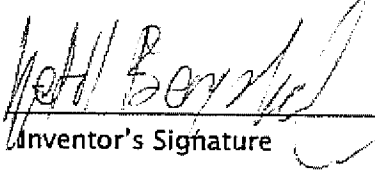
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 _____ Inventor's Signature	<u>28/2/2014</u> _____ Date
Krogvig Kjetil Krogvig Bergstrand _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

KKB  
Date 28/1/2015

PATENT ASSIGNMENT

Attorney Docket No.: 14917.2419US01/340847.01

I Morgan Larsson ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "SHADOWING LOCAL ON-PREMISES INFORMATION TO A CLOUD-BASED COMPUTING SYSTEM" ("APPLICATION"), which:

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<u>Morgan Larsson</u>	<u>28/2 - 2014</u>
Inventor's Signature	Date
<u>Morgan Larsson</u>	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

Attorney Docket No.: 14917.2419US01/340847.01

I Johannes Gehrke ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "SHADOWING LOCAL ON-PREMISES INFORMATION TO A CLOUD-BASED COMPUTING SYSTEM" ("APPLICATION"), which:

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 _____ Inventor's Signature	<sup>2d.</sup> <del>2/14/20</del> 2/28/2014 _____ Date
Johannes Gehrke _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

Attorney Docket No.: 14917.2419US01/340847.01

I Niels Petter Rasch-Olsen ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "SHADOWING LOCAL ON-PREMISES INFORMATION TO A CLOUD-BASED COMPUTING SYSTEM" ("APPLICATION"), which:

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<u>Niels Petter Rasch-Olsen</u>	<u>29.02.2014</u>
Inventor's Signature	Date
<u>Niels Petter Rasch-Olsen</u>	<u></u>
Printed Name in English	Printed Name in Native Language (if other than English)