

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5489375

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TOR KREUTZER	04/23/2019
ÅGE ANDRE KVALNES	04/23/2019
ØYSTEIN TORBJØRNSSEN	04/24/2019
JAN-OVE KARLBERG	04/23/2019
RECEIVING PARTY DATA	
Name:	MICROSOFT TECHNOLOGY LICENSING, LLC
Street Address:	ONE MICROSOFT WAY
City:	REDMOND
State/Country:	WASHINGTON
Postal Code:	98052
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16392755
CORRESPONDENCE DATA	
Fax Number:	(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>	
Phone:	2065698198
Email:	jim@liangip.com
Correspondent Name:	CHEN LIANG
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Address Line 4:	BELLEVUE, WASHINGTON 98004
ATTORNEY DOCKET NUMBER:	406081-US-NP
NAME OF SUBMITTER:	CHEN LIANG
SIGNATURE:	/Chen Liang/
DATE SIGNED:	04/24/2019
Total Attachments: 8	
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PATENT

REEL: 048978 FRAME: 0265

PATENT ASSIGNMENT

MS Docket No.: 406081-US-NP

I Tor Kreutzer ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "GRANULAR CHANGE DETECTION IN DISTRIBUTED STORAGE SYSTEMS" ("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 April 24, 2019 and given Application No. 16392755 by the following Office US – 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 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

PATENT ASSIGNMENT

MS Docket No.: 406081-US-NP

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>Tor Kreutzer</u>	<u>4/23/2019</u>
Inventor's Signature	Date
<u>Tor Kreutzer</u>	<u></u>
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

MS Docket No.: 406081-US-NP

I Åge Andre Kvalnes ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "GRANULAR CHANGE DETECTION IN DISTRIBUTED STORAGE SYSTEMS" ("APPLICATION"), which:

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<u>Age Kvalnes</u> Inventor's Signature	<u>04/23/19</u> Date
<u>Åge Andre Kvalnes</u> Printed Name in English	_____ Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

MS Docket No.: 406081-US-NP

I Øystein Torbjørnsen ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "GRANULAR CHANGE DETECTION IN DISTRIBUTED STORAGE SYSTEMS" ("APPLICATION"), which:

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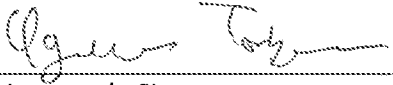
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	<u>2019-04-24</u>
Inventor's Signature	Date
<u>Øystein Torbjørnsen</u>	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

MS Docket No.: 406081-US-NP

I Jan-Ove Karlberg ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "GRANULAR CHANGE DETECTION IN DISTRIBUTED STORAGE SYSTEMS" ("APPLICATION"), which:

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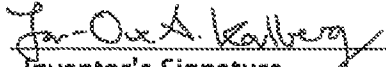
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 Inventor's Signature	<u>23.04.2019</u> Date
<u>Jan-Ove Karlberg</u> Printed Name in English	<u>Printed Name in Native Language (if other than English)</u>