

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5697131

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT	
NATURE OF CONVEYANCE:	Corrective Assignment to correct the IDENTIFICATION OF THE APPLICATION AND PROVIDE EXECUTION DATE previously recorded on Reel 049809 Frame 0983. Assignor(s) hereby confirms the ASSIGNMENT OF ASSIGNORS INTEREST.	
CONVEYING PARTY DATA		
	Name	Execution Date
	VIPUL GUPTA	08/29/2019
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:	16517599	
CORRESPONDENCE DATA		
Fax Number:		
<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:	202-559-9159	
Email:	docketing@novotechip.com, usdocket@microsoft.com	
Correspondent Name:	NOVOTECHIP INTERNATIONAL PLLC	
Address Line 1:	1717 PENNSYLVANIA AVENUE NW	
Address Line 2:	SUITE #1025	
Address Line 4:	WASHINGTON, D.C. 20006	
ATTORNEY DOCKET NUMBER:	407017-US-NP/170101-410	
NAME OF SUBMITTER:	AZADEH KHADEM	
SIGNATURE:	/Azadeh Khadem/	
DATE SIGNED:	08/30/2019	
Total Attachments: 4		
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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1

Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
VIPUL GUPTA	07/19/2019
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:	16517599
CORRESPONDENCE DATA	
Fax Number:	
Phone:	202-559-9159
Email:	docketing@novotechip.com, usdocket@Microsoft.com
<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>	
Correspondent Name:	NOVOTECHIP INTERNATIONAL PLLC
Address Line 1:	1717 PENNSYLVANIA AVE. NW
Address Line 2:	SUITE #1025
Address Line 4:	WASHINGTON, D.C. 20006
ATTORNEY DOCKET NUMBER:	407017-US-NP/170101-410
NAME OF SUBMITTER:	AZADEH KHADEM
Signature:	/Azadeh Khadem/
Date:	07/21/2019

PATENT**REEL: 050247 FRAME: 0091**

Total Attachments: 2

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RECEIPT INFORMATION

EPAS ID: PAT5628340
Receipt Date: 07/21/2019

PATENT

I, Vipul GUPTA ("ASSIGNOR"), am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "EFFICIENT STORAGE AND RETRIEVAL OF TEXTUAL DATA" ("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 _____ and given Application No. _____ 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 July 21, 2019 and was given Application No. 16/517,599 by the following Office "US - United States Patent and Trademark 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).

 Inventor's Signature	<u>29 August 2019</u> Date
Vipul GUPTA Printed Name in English	 Printed Name in Native Language (if other than English)