PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4782232

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NEAL ROBERT CHRISTIANSEN	12/15/2017
ATUL PANKAJ TALESARA	12/15/2017

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:	15844465

CORRESPONDENCE DATA

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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.

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ATTORNEY DOCKET NUMBER: MS1-9136US	
NAME OF SUBMITTER:	NOEMI TOVAR
SIGNATURE:	/NOEMI TOVAR/
DATE SIGNED:	01/18/2018

Total Attachments: 4

source=403388-US-NP-MS1-9136US-Executed-Assignments-as-filed-1-18-18#page1.tif source=403388-US-NP-MS1-9136US-Executed-Assignments-as-filed-1-18-18#page2.tif source=403388-US-NP-MS1-9136US-Executed-Assignments-as-filed-1-18-18#page3.tif source=403388-US-NP-MS1-9136US-Executed-Assignments-as-filed-1-18-18#page4.tif

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PATENT ASSIGNMENT Client Docket No.: 403388-US-NP

Attorney Docket No.: MS1-9136US

joint invent	or of subject matt	er ("INVENTION") disclose	original inventor or an original od and/or claimed in a patent persistent memory device:
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			norizes, and requests,
	ASSIGNEE'S legal LLC., One Min (ASSIGNEE'S LE) parentheses (file No. 15/844,465 Patent and Trade filing date, and O was filed on	representative, Microsof crosoft Way, Redmond GAL REPRESENTATIVES), d on <u>December 15, 2017</u> by the following Off <u>mark Office"</u> ; this APPLICA ffice, when known;	t Technology Licensing, , Washington 98052 to insert here in and given Application ice <u>"US - United States</u> ATION's Application No.,
	No	by the following	Office " <u>US - United</u>
	States Patent and	Trademark Office":	
behalf of it desirous of right of prio patents deri for the Ur DERIVATIVE	self and its succe acquiring, the ent ority, in the INVENT ived therefrom, such oited States, its S"));	essors and assigns ("ASS) ire and exclusive rights, to an and the APPLICATION in as continuing application territories, and all fore	on limited liability company, on IGNEE"), is entitled to, and is itle and interest, including the (and all other applications and ons, in whole or in part, in and light countries ("APPLICATION)
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Client Docket No.: 403388-US-NP Attorney Docket No.: MS1-9136US

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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, 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).

Mad Robert Charliege,	12/5/17
Inventor's Signature	Date 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Neal Robert CHRISTIANSEN	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT

Client Docket No.: 403388-US-NP Attorney Docket No.: MS1-9136US

l <u>Atul</u>	Pankaj TALESAR/	§ ("ASSIGNOR") am the or	riginal inventor or an original
			d and/or claimed in a patent
application e	ntitled " <u>WRITE-AF</u>	<u>IEAD STYLE LOGGING IN A</u>	PERSISTENT MEMORY DEVICE"
("APPLICATIO)N"), which:		
\boxtimes	will be filed.	ASSIGNOR hereby auth	orizes, and requests.
		representative, Microsoft	
		crosoft Way, Redmond	
	(ASSIGNEE'S LEG	GAL REPRESENTATIVES),	to insert here in
	parentheses (file	d on December 15, 2017	and given Application
	No. 15/844,465	by the following Offi	ce <u>"US – United States</u>
		<u>mark Office";</u> this APPLICA	
	filing date, and O	ffice, when known;	
	was filed on	and was g	iven Application
		 by the following (
		Trademark Office";	
behalf of its desirous of a right of prior patents derived for the United DERIVATIVES ASSIGNATION ASS	elf and its succe acquiring, the enti- ity, in the INVENTI- red therefrom, suc- ited States, its ")); NOR hereby TIVES to insert t	ssors and assigns ("ASSI re and exclusive rights, ti ION and the APPLICATION th as continuing applicatio territories, and all fore authorizes, and requ	g date, and Office into the
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PATENT ASSIGNMENT

Client Docket No.: 403388-US-NP Attorney Docket No.: MS1-9136US

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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).

Jim.	2017.12.45
Inventor's Signature	Date
Atul Pankaj TALESARA	
Printed Name in English	Printed Name in Native Language
	(if other than English)