PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6345506

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
VIGNYAN REDDY KOTHINTI NARESH	09/29/2020
RAMI MOHAMMAD AL SHEIKH	09/30/2020
SHIVAM PRIYADARSHI	10/10/2020
ARTHUR PERAIS	09/30/2020

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:	17068253

CORRESPONDENCE DATA

Fax Number: (877)812-1249

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.

Phone: 919-238-2300

Email: usdocket@microsoft.com

Correspondent Name: WITHROW + TERRANOVA

Address Line 1: 106 PINEDALE SPRINGS WAY

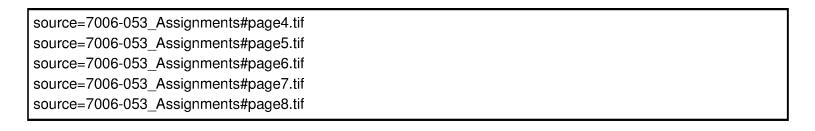
Address Line 4: CARY, NORTH CAROLINA 27511

ATTORNEY DOCKET NUMBER:	7006-053
NAME OF SUBMITTER:	KATIE KENNEDY
SIGNATURE:	/Katie Kennedy/
DATE SIGNED:	10/12/2020

Total Attachments: 8

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PATENT 506298756 REEL: 054028 FRAME: 0584



PATENT REEL: 054028 FRAME: 0585 I <u>Vignyan Reddy KOTHINTI NARESH</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>RESTORING SPECULATIVE HISTORY USED FOR MAKING SPECULATIVE PREDICTIONS FOR INSTRUCTIONS PROCESSED IN A PROCESSOR EMPLOYING CONTROL INDEPENDENCE TECHNIQUES" ("APPLICATION"), which:</u>

\times	will be	filed.	ASSIGNOR	hereby	autho	rizes,	and r	equests,
	ASSIGNE	EE'S legal	representat	ive, Micr	osoft	Techno	ology Li	censing,
	LLC, On	e Microso	oft Way, Redr	nond, Wa	shingt	on 980)52 (AS	SIGNEE'S
	LEGAL	REPRESEN	ITATIVES), t	o insert	here	in par	enthes	es (filed
	on	***************************************		and	•	given	Ар	plication
	No		by the	following	Offic	e <u>US -</u>	- Unite	d States
	<u>Patent a</u>	ind Trade	mark Office) this API	PLICAT	ION's /	Applicat	tion No.,
	filing da	ite, and O	ffice, when I	known;				
	was filed	d on	6	and was o	given A	pplicat	tion	
	No		by the f	ollowing	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"));

Application No.	Filing Date	Office	

PATENT ASSIGNMENT	MS Docket No.:	408846-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"));

(96M 11 AN CON R	09.29.2020
Inventor's Signature	Date
Vignyan Reddy KOTHINTI NARESH	
Printed Name in English	Printed Name in Native Language
	(if other than English)

***	<u>Rami</u>	Moha	ımmad	AL SH	<u>IEIKH</u>	("ASS	IGNOR") am	1 the	orig	jinal	inv	ento	r or	an
original	joint i	nvent	or of su	ubject	matte	er ("IN	VENTIO	N")	disclo	sed	and/	or o	claim	ied	in a
patent	applica	ition	entitled	" <u>RES</u>	<u>TORIN</u>	G SP	<u>ECULAT</u>	IVE	HISTO	RY	USE) F	OR I	MAK	ING
SPECUL/	ATIVE	PREC	ICTIONS	s fo	R INS	STRUC	TIONS	PRO	<u>OCESS</u>	<u>ED</u>	IN	Α	PRO	<u>CES</u>	<u>SOR</u>
<u>EMPLOY</u>	ING CO	<u>ONTR</u>	DL INDE	PENDE	NCE T	ECHN	IQUES"	("AP	PLICA ⁻	TION	√1"), w	hich	1:		

X	will be	filed.	ASSIGNOR	hereby	autho	orizes,	and	reque	sts,
	ASSIGN	EE'S legal	representa	tive, Micr	osoft	Techno	ology I	icens	ing,
	LLC, On	e Microso	oft Way, Redi	mond, Wa	ashing	ton 98(052 (A	SSIGNI	EE'S
	LEGAL	REPRESEN	ITATIVES), t	o insert	here	in pa	renthe	ses (f	iled
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	was file	d on		and was g	given <i>i</i>	Applica	tion		
	No		by the f	ollowing	Office				
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Rami Mohammad AL SHENKH	9/30/2020
Inventor's Signature	Date
Rami Mohammad AL SHEIKH	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I <u>Shivam PRIYADARSHI</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>RESTORING SPECULATIVE HISTORY USED FOR MAKING SPECULATIVE PREDICTIONS FOR INSTRUCTIONS PROCESSED IN A PROCESSOR EMPLOYING CONTROL INDEPENDENCE TECHNIQUES" ("APPLICATION"), which:</u>

\boxtimes	will	be	filed.	ASSIGN	IOR	hereby	auth	orizes	and	req	uests,
	ASSI	GNE	E'S legal	represe	ntat	ive, Mic	rosoft	Techr	ology	Lice	nsing,
	LLC,	One	Microso	oft Way,	Redr	nond, W	ashing	gton 98	3052 (ASSIC	SNEE'S
	LEG/	AL R	EPRESEN	ITATIVES), t	o insert	here	in pa	arenth	eses	(filed
	on					and	1	given	j	Appli	cation
	No.			by	the	followin	g Offi	ce <u>US</u>	<u> - Un</u>	ited	<u>States</u>
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	was	filed	on		ã	ınd was	given	Applic	ation		
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Hijaw Inventor's Signature	10/10/2020 Date
Shivam PRIYADARSHI	
Printed Name in English	Printed Name in Native Language (if other than English)

•	<u>Arth</u>	ur PERA	<u>IS</u> ("ASS	IGNOR	") am	the orig	inal	invento	r or	an ori	ginal	joint
inventor	of	subject	matter	("INVE	"NOITM) disclo	sed	and/or	claim	ied in	a r	oatent
applicati	on	entitled	"REST	ORING	SPECU	<u>JLATIVE</u>	HI	STORY	USED	FOR	<u>M/</u>	AKING
SPECULA	TIVE	PREDIC	CTIONS	FOR	INSTRU	<u>ICTIONS</u>	PR	OCESSED) IN	A P	<u>ROCI</u>	<u>ESSOR</u>
<u>EMPLOY</u>	ING C	CONTROL	_ INDEPE	NDENC	E TECH	NIQUES'	' ("AF	PLICATION	ΟΝ"), ^ν	which:		

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	on	***************************************		and	(given	App	lication
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	filing da	ite, and O	office, when I	known;				
	was filed	d on	6	and was g	jiven A	pplicat	ion	
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6 6	9/30/2020
Inventor's Signature	Date
Arthur PERAIS	
Printed Name in English	Printed Name in Native Language
	(if other than English)