PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5521483

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YISROEL GERSHON TABER	05/05/2019
TOMER TURGEMAN	05/03/2019
LEV ROZENBAUM	05/05/2019

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:	16388700

CORRESPONDENCE DATA

Fax Number: (816)421-5547

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: 8164746550 Email: tburke@shb.com

Correspondent Name: SHOOK, HARDY & BACON L.L.P. Address Line 1: 2555 GRAND BOULEVARD

Address Line 4: KANSAS CITY, MISSOURI 64108

ATTORNEY DOCKET NUMBER:	406189-US-NP/324935
NAME OF SUBMITTER:	TRACI M. BURKE
SIGNATURE:	/TRACI M. BURKE/
DATE SIGNED:	05/14/2019

Total Attachments: 6

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PATENT REEL: 049170 FRAME: 0909

PATENT ASSIGNMENT

l <u>Yisroel Gershon TABER</u> ("ASSIGNOR") am the original inventor or an original
joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent
application entitled "CONSTRAINT MANAGER FOR COLLABORATIVE INTELLIGENCE AND
CONSTRAINT COMPUTING" ("APPLICATION"), which:

will	be	filed.	ASSIGN	OR he	reby	authori	izes,	and re	quests,
ASSI	GNE	E'S legal	represen	tative,	Shook	, Hardy	& Bac	on L.L.P	, 2555
Grar	nd Bl	vd., Kans	sas City, I	Missoui	ri 641	08-261	3 (AS	SIGNEE'S	LEGAL
REPF	RESEI	NTATIVE:	S), to	insert	here	e in	parei	ntheses	(filed
on					and	gi	ven	Appl	ication
No.		 	by t	he follo	owing	Office	US -	United	<u>States</u>
Pate	nt ar	nd Trade	mark Off	<u>ice</u>) thi	s APP	LICATIO)N's A	pplicatio	on No.,
filing	g dat	e, and O	ffice, who	en knov	vn;				

was filed on April 18, 2019 and was given Application No

16/388,700 by the following Office "US – United States Patent and

Trademark Office";p

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

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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).

Inventor's Signature Yisroel Gershon TABER	5/ 5 //9 Date
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

inventor of application of	subject matter entitled " <u>CONSTR</u> A	("INVENTION") disclosed	al inventor or an original joint and/or claimed in a patent ABORATIVE INTELLIGENCE AND
	ASSIGNEE'S legal Grand Blvd., Kans REPRESENTATIVES on No. Patent and Trade filing date, and O	ASSIGNOR hereby authorepresentative, Shook, Hassas City, Missouri 64108–25), to insert here in and and by the following Offermark Office) this APPLICATION, when known;	rdy & Bacon L.L.P., 2555 2613 (ASSIGNEE'S LEGAL in parentheses (filed given Application fice <u>US – United States</u> ATION's Application No.,
		ne following Office " <u>US – U</u>	
behalf of its desirous of a right of prior patents deriv	elf and its succe acquiring, the enti ity, in the INVENTI red therefrom, suc ted States, its	ssors and assigns ("ASSI re and exclusive rights, to ON and the APPLICATION h as continuing application	on limited liability company, on GNEE"), is entitled to, and is itle and interest, including the (and all other applications and ons, in whole or in part, in and ign countries ("APPLICATION
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;			
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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"));

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Inventor's Signature

Tomer TURGEMAN

Printed Name in English

Printed Name in Name in Name Language (if other than English)

PATENT ASSIGNMENT

inventor of application 6	subject matter entitled " <u>CONSTRA</u>	("INVENTION") disclos	inal inventor or an origed and/or claimed in OLLABORATIVE INTELLIGE	a patent
	ASSIGNEE'S legal Grand Blvd., Kans REPRESENTATIVES on No. Patent and Trade	representative, Shook, sas City, Missouri 6410 S), to insert here and by the following	authorizes, and request Hardy & Bacon L.L.P., 25 08–2613 (ASSIGNEE'S LEC in parentheses (fi given Applicati Office <u>US – United Sta</u> ICATION's Application N	55 AL led ion tes
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behalf of its desirous of a right of prior patents deriv	elf and its succe equiring, the enti ity, in the INVENTI ed therefrom, suc ted States, its	ssors and assigns ("A re and exclusive right: ON and the APPLICATI h as continuing applic	ngton limited liability com ASSIGNEE"), is entitled to s, title and interest, inclu ON (and all other applica ations, in whole or in pa Foreign countries ("APPl	o, and is uding the tions and rt, in and
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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"));

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	5/05/2019	
Inventor's Signature	Date	
Lev ROZENBAUM		
Printed Name in English	Printed Name in Native Language	
	(if other than English)	

Page 2 of 2

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RECORDED: 05/14/2019