PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5654826

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JORDAN RIAN COHEN	02/01/2019
DAVID LEO WRIGHT HALL	01/10/2019
JASON ANDREW WOLFE	01/10/2019
DANIEL LAWRENCE ROTH	08/02/2019
DANIEL KLEIN	03/19/2019

RECEIVING PARTY DATA

Name:	SEMANTIC MACHINES, INC.	
Street Address:	ONE GATEWAY CENTER	
Internal Address:	300 WASHINGTON STREET, UNIT 302	
City:	NEWTON	
State/Country:	MASSACHUSETTS	
Postal Code:	02458	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16035346	

CORRESPONDENCE DATA

Fax Number: (425)936-7329

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: 4255389035

Email: usdocket@microsoft.com

MICROSOFT CORPORATION **Correspondent Name:**

ONE MICROSOFT WAY Address Line 1:

Address Line 4: REDMOND, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	800107-US-NP
NAME OF SUBMITTER:	CATHERINE POLANCE
SIGNATURE:	/Catherine Polance/
DATE SIGNED:	08/06/2019

Total Attachments: 10

PATENT REEL: 049971 FRAME: 0562

505608025

source=2019-08-06 Assignment (inventors to Semantic Machines, Inc.) 800107-US-NP#page1.tif source=2019-08-06 Assignment (inventors to Semantic Machines, Inc.) 800107-US-NP#page2.tif source=2019-08-06 Assignment (inventors to Semantic Machines, Inc.) 800107-US-NP#page3.tif source=2019-08-06 Assignment (inventors to Semantic Machines, Inc.) 800107-US-NP#page4.tif source=2019-08-06 Assignment (inventors to Semantic Machines, Inc.) 800107-US-NP#page5.tif source=2019-08-06 Assignment (inventors to Semantic Machines, Inc.) 800107-US-NP#page6.tif source=2019-08-06 Assignment (inventors to Semantic Machines, Inc.) 800107-US-NP#page7.tif source=2019-08-06 Assignment (inventors to Semantic Machines, Inc.) 800107-US-NP#page8.tif source=2019-08-06 Assignment (inventors to Semantic Machines, Inc.) 800107-US-NP#page9.tif source=2019-08-06 Assignment (inventors to Semantic Machines, Inc.) 800107-US-NP#page9.tif

PATENT REEL: 049971 FRAME: 0563

PATENT ASSIGNMENT

MS Docket No.: 800107-US-NP I Jordan Rian Cohen ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "INFERENCE ON DATE TIME CONSTRAINT EXPRESSIONS" ("APPLICATION"), which: will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representative, Semantic Machines, Inc., One Gateway Center, 300 Washington Street, Unit 302, Newton Massachusetts, 02458 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on ____ and given Application No. _ by the following Office) this APPLICATION's Application No., filing date, and Office, when known; was filed on July 13, 2018 and was given Application No. 16/035,346 by the following Office " USPTO ": Semantic Machines, Inc., a Delaware corporation, 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).

Page 1 of 2

PATENT ASSIGNMENT

MS Docket No.: <u>800107-US-NP</u>

Inventor's Signature

Date 1 Feb 2019

Jordan Rian Cohen Printed Name in English

Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT MS Docket No.: 800107-US-NP

I <u>David Leo Wright Haii</u> (ASSIGNOR) am the original inventor or an original joint			
inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent			
application entitled "INFERENCE ON DATE TIME CONSTRAINT EXPRESSIONS"			
("APPLICATION"), which:			
will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representative, Semantic Machines, Inc., One Gateway Center, 300 Washington Street, Unit 302, Newton Massachusetts, 02458 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on and given Application No by the following Office) this			
APPLICATION's Application No., filing date, and Office, when known;			
was filed on <u>July 13, 2018</u> and was given Application No. $16/035,346$ by the following Office " <u>USPTO</u> ";			
Semantic Machines, Inc., a Delaware corporation, 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"));			
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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"));

Drittell	1/10/2019	
Inventor's Signature	Date	
David Leo Wright Hall		
Printed Name in English	Printed Name in Native Language	
	(if other than English)	

PATENT ASSIGN	NMENT	MS Docket I	No.: <u>800107-US-NP</u>
inventor of subject m	atter ("INVENTION	l") disclosed a	l inventor or an original join and/or claimed in a paten CONSTRAINT EXPRESSIONS
	L. J. ACCICNOB	la constant and the	
		•	orizes, and requests,
			Machines, Inc., One
Gateway (Center, 300 Was	hington Street	t, Unit 302, Newton
Massachus	etts, 02458 (ASSI	GNEE'S LEGAL	REPRESENTATIVES), to
insert here	in parentheses (fi	led on	
	and give	n Application N	o by
) this
			nd Office, when known;
Semantic Machine successors and assigns entire and exclusive rig	("ASSIGNEE"), is e phts, title and into PLICATION (and inuing application	are corporation ntitled to, and erest, including all other appli s, in whole or i	, on behalf of itself and its is desirous of acquiring, the the right of priority, in the cations and patents derived in part, in and for the United
ASSIGNOR hereby	authorizes, and re	equests, ASSIGN	IEE'S LEGAL REPRESENTATIVES
to insert the Application	n No., filing date,	and Office into	o the following table for any
APPLICATION DERIVATIV	_		-
Application No.	Filing Da		Office

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Jehr	1/10/19
Inventor's Signature	Date
Jason Andrew Wolfe	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT MS Docket No.: 800107-US-NP

I <u>Daniel Lawrence Roth</u> ("ASSIGNOR") am the original inventor or an original joint				
inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent				
application e	cation entitled " <u>INFERENCE ON DATE TIME CONSTRAINT EXPRESSIONS</u> "			
("APPLICATION	l"), which:			
A C N ii - tl	will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representative, Semantic Machines, Inc., One Gateway Center, 300 Washington Street, Unit 302, Newton Massachusetts, 02458 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on and given Application No by the following Office) this APPLICATION's Application No., filing date, and Office, when known;			
was filed on July 13, 2018 and was given Application No. 16/035,346 by the following Office "USPTO";				
Semanti	ic Machines, Inc.	, a Delaware corporation	, on behalf of itself and its	
		•	is desirous of acquiring, the	
	<u> </u>		the right of priority, in the	
INVENTION ar	nd the APPLICAT	ION (and all other appli	cations and patents derived	
therefrom, suc	ch as continuing	applications, in whole or	in part, in and for the United	
States, its terri	itories, and all for	eign countries ("APPLICAT	ION DERIVATIVES"));	
ASSIGNO	OR hereby a	authorizes, and requ	iests, 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	

MS Docket No.: <u>800107-US-NP</u>

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"));

52.CX	August 2, 2019	
Inventor's Signature	Date:	
Daniel Lawrence Roth	Dun Roth	
Printed Name in English	Printed Name in Native Language	
	(if other than English)	

PAT	ENT ASSIGNMENT	Γ MS Docket	No.: <u>800107-US-NP</u>
of subject	matter ("INVENTIO	N") disclosed and/or clai	or or an original joint inventomed in a patent application (PRESSIONS) ("APPLICATION")
	ASSIGNEE'S legal Gateway Center, Massachusetts, 0 insert here in pare the following Office	ASSIGNOR hereby auth representative, Semantice 300 Washington Stree 2458 (ASSIGNEE'S LEGAL entheses (filed on and given Application Noce application No., filing date	c Machines, Inc., One t, Unit 302, Newton REPRESENTATIVES), to No by) this
X	·	3, 2018 and was given Ap ne following Office " <u>USPTC</u>	
successors entire and INVENTION therefrom,	and assigns ("ASSIC exclusive rights, tit and the APPLICAT such as continuing	GNEE"), is entitled to, and tle and interest, including TION (and all other appl	n, on behalf of itself and itself and itself and itself is desirous of acquiring, the generated the right of priority, in the ications and patents derived in part, in and for the United ION DERIVATIVES"));
REPRESENTA	ATIVES to insert tl	•	uests, ASSIGNEE'S LEGAI g date, and Office into the
Application	•	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"));

	3/13/2019
Inventor's Signature	Date/ /
Daniel Klein	
Printed Name in English	Printed Name in Native Language
	(if other than English)