505174479 11/05/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NICOLO FUSI	11/01/2018
FRANCESCO PAOLO CASALE	11/01/2018
JONATHAN GORDON	11/02/2018

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:	16179433

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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Correspondent Name: MERCHANT & GOULD P.C. (MICROSOFT)

Address Line 1: P.O. BOX 2903

Address Line 4: MINNEAPOLIS, MINNESOTA 55402

ATTORNEY DOCKET NUMBER:	14917.3764US01/405383USNP
NAME OF SUBMITTER:	ETHAN W. BELL
SIGNATURE:	/Ethan W. Bell/
DATE SIGNED:	11/05/2018

Total Attachments: 6

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PATENT 505174479 REEL: 047408 FRAME: 0295

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PATENT REEL: 047408 FRAME: 0296

PATENT ASSIGNMENT

of subject matter ("INVENTIO		·
ASSIGNEE'S legal LLC, One Microsof LEGAL REPRESEN on No. Patent and Trade	ASSIGNOR hereby auth representative, Microsoft ft Way, Redmond, Washing TATIVES), to insert here and by the following Offimark Office) this APPLICATICE, when known;	Technology Licensing, gton 98052 (ASSIGNEE'S in parentheses (filed given Application ce <u>US – United States</u>
	and was given by the following Office ";	
Microsoft Technology Lie behalf of itself and its success desirous of acquiring, the enti- right of priority, in the INVENTI patents derived therefrom, suc- for the United States, its to DERIVATIVES"));	ssors and assigns ("ASSIO re and exclusive rights, ti ON and the APPLICATION h as continuing applicatio	tle and interest, including the (and all other applications and ns, in whole or in part, in and
ASSIGNOR hereby REPRESENTATIVES to insert the following table for any APPLICA		g date, and Office into the
Application No.	Filing Date	Office

Page 1 of 2

PATENT ASSIGNMENT

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).

MAFE	11/1/2018
Inventor's Signature	Date
Nicolo FUSI	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT

I <u>Francesco Paolo CASALE</u> ("ASSIGNOR") am the original inventor or an original
joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent
application entitled "PROBABILISTIC NEURAL NETWORK ARCHITECTURE GENERATION"
("APPLICATION"), which:

\times	will	be	filed.	ASSIGNOR	hereby	autho	orizes,	and	requ	uests,
	ASSI	GNE	E'S legal	representa	tive, Micr	rosoft	Techno	logy	Licer	nsing,
	LLC,	One	Microso	oft Way, Redi	nond, Wa	ashing	ton 980)52 (A	SSIG	NEE'S
	LEG/	AL R	EPRESEN	ITATIVES), t	o insert	here	in par	enthe	eses	(filed
	on				and		given	Д	pplic	ation
	No.			by the	following	g Offic	ce <u>US</u> -	- Uni	ted S	<u>States</u>
	Patent and Trademark Office) this APPLICATION's Application No.,									
	filing date, and Office, when known;									
	was	filed	on		and was 🤉	given <i>A</i>	Applicat	tion		
	No_			by the f	ollowing	Office				
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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		

MS Docket No.: <u>405383-US-NP</u>

PATENT ASSIGNMENT

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	11/01/2018 Date
Francesco Paolo CASALE Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

I <u>Jonathan GORDON</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>PROBABILISTIC NEURAL NETWORK ARCHITECTURE GENERATION</u>" ("APPLICATION"), which:

\boxtimes	will	be	filed.	ASSIGNO	OR h	ereby	auth	orizes	, and	requ	uests,
	ASSIC	GNE	E'S legal	represer	ıtativ	e, Micı	rosoft	Techr	nology	Licer	ısing,
	LLC, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S										NEE'S
	LEGA	L R	EPRESEN	NTATIVES)	, to	insert	here	in p	arenth	eses	(filed
	on					and		given	,	Applic	ation
	No.			by tl	ne fo	llowing	g Offi	ce <u>US</u>	- Un	ited S	<u>States</u>
	Patent and Trademark Office) this APPLICATION's Application No.,										
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	2018-02-11
Inventor's Signature	Date
Jonathan GORDON Printed Name in English	Printed Name in Native Language (if other than English)