

PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
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ALESSANDRO FORIN	05/09/2017
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16689907
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<i>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.</i>	
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NAME OF SUBMITTER:	MARK W. WILSON
SIGNATURE:	/ Mark W. Wilson /
DATE SIGNED:	02/11/2020
Total Attachments: 4	
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source=98178-07_Assignment#page2.tif	
source=98178-07_Assignment#page3.tif	
source=98178-07_Assignment#page4.tif	

PATENT ASSIGNMENT

I, Ray Bittner ("ASSIGNOR"), am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "BLOCK FLOATING POINT FOR NEURAL NETWORK IMPLEMENTATIONS" ("APPLICATION"), which:

☒ will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Microsoft Technology Licensing, LLC, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES) to insert here in parentheses (filed on 05/10/2017, and given Application No. 15/592,021 by the following Office: United States Patent and Trademark Office this APPLICATION's Application No., filing date, and Office, when known;

☐ was filed on _____ and was given Application No. _____ by the following Office "United States Patent and Trademark 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"));

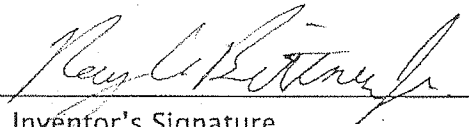
ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S LEGAL REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known;

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).

 Inventor's Signature	<u>5/8/2017</u> Date
<u>Ray Bittner</u> Printed Name in English	 Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

I, Alessandro Forin ("ASSIGNOR"), am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "BLOCK FLOATING POINT FOR NEURAL NETWORK IMPLEMENTATIONS" ("APPLICATION"), which:

☒ will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Microsoft Technology Licensing, LLC, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES) to insert here in parentheses (filed on 05/10/2017, and given Application No. 15/592,021 by the following Office: United States Patent and Trademark Office this APPLICATION's Application No., filing date, and Office, when known;

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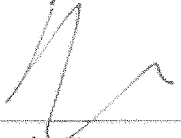
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 Inventor's Signature	09-MAY-2017 Date
Alessandro Forin Printed Name in English	Printed Name in Native Language (if other than English)