506386840 12/04/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MICHAEL JAMES MANFRA	12/03/2020

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16796671

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DATE SIGNED:	12/04/2020

Total Attachments: 2

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PATENT 506386840 REEL: 054552 FRAME: 0889

I, <u>Michael James MANFR</u> joint inventor of subject matte application entitled <u>"Semicondu</u> ("APPLICATION"), which:	r ("INVENTION") disclosed	
ASSIGNEE'S legal LLC, One Microsof LEGAL REPRESENT on the following O	ASSIGNOR hereby authorepresentative, Microsoft tway, Redmond, Washing TATIVES), to insert here and given Application fficeplication No., filing date, a	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed Noby) this
	ary 20, 2020 and was give 96671 by the follo Trademark Office";	
Purdue Research Foundar of the State of Indiana, located 2500, West Lafayette, IN 4790 ("ASSIGNEE"), is entitled to, and it title and interest, including the r (and all other applications a applications, in whole or in paraforeign countries ("APPLICATION	at The Convergence Cen 6, on behalf of itself and is desirous of acquiring, th ight of priority, in the INV nd patents derived the rt, in and for the United	d its successors and assigns ne entire and exclusive rights, ENTION and the APPLICATION refrom, such as continuing
to insert the Application No., f	iling date, and Office into	EE'S LEGAL REPRESENTATIVES the following table for any
Application No.	Filing Date	Office
applications, in whole or in pai foreign countries ("APPLICATION ASSIGNOR hereby authori to insert the Application No., f APPLICATION DERIVATIVES after	t, in and for the United DERIVATIVES")); zes, and requests, ASSIGN iling date, and Office into they are known;	States, its territories, and all EE'S LEGAL REPRESENTATIVES the following table for any

Page 1 of 2

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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).

Malaul Malue Inventor's Signature	12/3/2020 Date	
Michael James MANFRA		
Printed Name in English	Printed Name in Native Language	
	(if other than English)	