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CONVEYING PARTY [DATA			
		Name	Execution Date	
DAVID A. ANDERSON			09/09/2019	
RECEIVING PARTY D	 ЛТЛ			
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Postal Code:	15260	15260		
Property TypeApplication Number:170		17631805		
Application Number:		17631805		
CORRESPONDENCE	DATA			
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ASSIGNMENT

WHEREAS, I, David A. Anderson, of Pittsburgh, Pennsylvania have invented a certain invention, as described in the following patent application:

U.S. Provisional Patent Application No. 62/884,086, filed on August 7, 2019, entitled "TOUCH-SENSING VIA EXCITATION OF A SURFACE WITH A WAVEFORM."

which application is referred to as "the patent application."

WHEREAS, University of Pittsburgh - Of the Commonwealth System of Higher Education (hereinafter "University of Pittsburgh"), a non-profit corporation organized under the laws of the Commonwealth of Pennsylvania, having a place of business at 1st Floor Gardner Steel Conference Center, 130 Thackeray Avenue, Pittsburgh, Pennsylvania 15260, desires to acquire an interest therein; and

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I, David A. Anderson, hereby sell, assign, and transfer to the University of Pittsburgh, the full and exclusive right, title, and interest in and to said invention, patent application, and patent rights throughout the world, including foreign patent priority rights, the right to file and prosecute International Applications under the Patent Cooperation Treaty, and the right to file and prosecute applications under the European Patent Convention; said invention, patent application, and letters patent in this or any foreign country, and all corresponding nonprovisional applications, divisions, continuations, continuations-in-part, reissues, and extensions thereof, to be held and enjoyed by the University of Pittsburgh, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted by the United States or any foreign country, as fully and entirely as the same would have been held by me had this assignment and sale not been made, and covenant that I have full right so to do, and agree that I will communicate to the University of Pittsburgh, or its successors and assigns, any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths, and do everything possible to aid the University of Pittsburgh, its successors, and assigns to

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obtain and enforce proper patent protection for said invention in the United States or any foreign country.

I confirm that, at the time the invention was made, I was under an obligation to assign the invention to the University of Pittsburgh.

I hereby grant the law firm of Klarquist Sparkman, LLP, the power to insert on this Assignment any further information that may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

Executed at the place and date opposite my signature below. David A. Anderson PittsBuegh, PA (City and State) on this 9th day of SEPTEMBER, 20 19. COMMONWEALTH OF PENNSYLVANIA

SS.

This $\underline{9^{4}}$ day of $\underline{SEPTEMBER}$, 2014, before me personally came the above-named David A. Anderson, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by his own free will for the purpose set forth therein.

Martania C. F. Str Notary Public For PENNy LVANIA

My commission expires: 10/1/2019

COMMONWEALTH OF PENNSYLVAN	IA
NOTARIAL SEAL	
Martania C. Felton, Notary Public	
City of Pittsburgh, Allegheny Count	×
My Commission Expires Oct. 1, 201	8
MEMBER, PENNEYLVANIA ASSOCIATION OF NOTA	RIES



COUNTY OF ALLEGHENY

PATENT REEL: 058835 FRAME: 0604

RECORDED: 01/31/2022