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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CARMEL MAJIDI	11/20/2020
MICHAEL D BARTLETT	11/12/2020
ERIC J MARKVICKA	11/11/2020

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PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	17095564
Application Number:	62933669

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NAME OF SUBMITTER:	MICHAEL E. DUKES
SIGNATURE:	/michael e. dukes/
DATE SIGNED:	11/23/2020

Total Attachments: 4

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Assignment of Rights of Patent/Invention	Client Docket No.	DCG Docket No.
Multiple Inventors/Single Assignee	2019-002	20-127

U.S. Patent Application No.

Filed: November 11, 2020

U.S. Provisional Patent Application No.: 62/933,669

Filed: November 11, 2019

Assignor/Inventor: Carmel MAJIDI, 5434 Wilkins Avenue, Pittsburgh, Pennsylvania 15217

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15217

Assignee: Carnegie Mellon University, 4615 Forbes Avenue, Suite 302, Pittsburgh,

Pennsylvania 15213

Whereas, I/we, the above-identified Inventor(s) have/has invented certain new and useful improvements in:

MULTI-SITE DAMAGE SENSING AND LOCALIZATION SOFT-MATTER ELECTRONICS AND RELATED SYSTEMS AND METHODS

(hereinafter referred to as "Invention") for which I/we am making application(s) for Letters Patent in the United States of America;

And, whereas I/we desire to assign a 100% interest in said Invention, said application(s) disclosing the Invention and any Letters Patent be granted therefor to the above-identified Assignee, and whereas said Assignee is desirous of acquiring the entire right, title and interest in the same;

Now, this indenture witnesseth, that for the sum of One dollar (\$1.00), and other good and valuable consideration, the receipt whereof is hereby acknowledged;

I/we hereby assign, sell and transfer a 100% undivided interest in said Invention, said application including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said Invention, and in and to any and all priority rights, convention rights, and other benefits accrue to me/us with respect to the filing of applications for patents or securing of patent in the United States and countries foreign thereto, unto said Assignee;

And I/we hereby authorize and request the Director of the United States Patent and Trademark Office to issue said United States Letters Patent to said Assignee, and assignee of the whole right, title and interest thereto;

And I/we further agree to execute all necessary and lawful future documents, including assignments in favor of Assignee, or its designees as Assignee or its Assignees may from time-to-time present to me in order to perfect title in said Invention, modifications, and improvements in said Invention, applications and Letters Patents of the United States and countries foreign thereto;

And I/we further agree to sign and properly execute such necessary and lawful papers for application for foreign patents, for filing divisions, continuations and continuations-in-part of said application patent, and/or, for obtaining any resissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee thereof shall hereafter require and prepare at its own expense.

Executed this	20th da	iy of <u>November</u>	er in the year	<u>2020</u>
	4.			
Signature of Assignments				*******
Executed this	da	y of	in the	e year
Signature of Assignature				

I/we hereby assign, sell and transfer a 100% undivided interest in said Invention, said application including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said Invention, and in and to any and all priority rights, convention rights, and other benefits accrue to me/us with respect to the filing of applications for patents or securing of patent in the United States and countries foreign thereto, unto said Assignee;

And I/we hereby authorize and request the Director of the United States Patent and Trademark Office to issue said United States Letters Patent to said Assignee, and assignee of the whole right, title and interest thereto;

And I/we further agree to execute all necessary and lawful future documents, including assignments in favor of Assignee, or its designees as Assignee or its Assignees may from time-to-time present to me in order to perfect title in said Invention, modifications, and improvements in said Invention, applications and Letters Patents of the United States and countries foreign thereto;

And I/we further agree to sign and properly execute such necessary and lawful papers for application for foreign patents, for filing divisions, continuations and continuations-in-part of said application patent, and/or, for obtaining any resissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee thereof shall hereafter require and prepare at its own expense.

Executed this	day o	f	in the year	_ in the year	
C	signor/Inventor: Ca	rmel MAJIDI	*******	*****	
Executed this	12 day of	November	in the year	2020	
Mi	in But				
Signature of Ass	signor/Inventor: Mi	chael D. BARTLET	Γ		

Executed this	11	day of	Nov	in the year	2020	_
Eni M	Set					
Signature of Assig	gnor/Invent	tor: Eric J. M.	ARKVICKA			

RECORDED: 11/23/2020