PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RANDALL NORTMAN	05/03/2019
MICHAEL DACKO	05/03/2019

RECEIVING PARTY DATA

Name:	ARGO AI, LLC
Street Address:	2545 RAILROAD STREET
Internal Address:	SUITE 400
City:	PITTSBURGH
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16403943

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ATTORNEY DOCKET NUMBER:	179648.00911	
NAME OF SUBMITTER:	MARY P. MCDERMOTT	
SIGNATURE:	/Mary P. McDermott/	
DATE SIGNED:	05/06/2019	

Total Attachments: 2

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PATENT 505461698 REEL: 049091 FRAME: 0045

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNOR(S) of the sum of One Dollar (\$1.00) and for other good and valuable consideration, the receipt of which is hereby acknowledged, by this document

ASSIGNOR(S):	
Name	Address
Randall Nortman	Pittsburgh, Pennsylvania
Michael Dacko	Oakmont, Pennsylvania
assigns and transfers to:	
ASSIGNEE:	
Name	Address
Argo AI, LLC	2545 Railroad Street, Suite 400, Pittsburgh, Pennsylvania
1	15222
the entire right, title and interes	st in and to the invention entitled:
METHOD AND SYST	EM FOR REAL-TIME DIAGNOSTICS AND FAULT

MONITORING IN A ROBOTIC SYSTEM

and which is found in:

X	the U.S. patent application filed with this assignment document
	U.S. patent application no., filed
	International patent application no., filed
	U.S. patent no., issued

and, in and to

- all patent applications filed and letters patent obtained for the invention, whether
 foreign and domestic, and all continuations, continuation-in-part divisions, renewals,
 reissues, re-examinations, or substitutes of any such patent or patent application; and
 any patents and patent applications to which any such patent or patent application
 claims priority;
- all rights to any legal equivalent thereof in a foreign country such as patents of addition, utility models, patents of importation, revalidation patents and inventor certificates;
- the right to apply for patents and inventor certificates relating to the invention, and the right to claim priority to all applications throughout the world in respect of the invention; and
- the right to sue and recover any and all damages and profits, and any and all other remedies, for past, present, or future infringements of patents directed to the invention.

ASSIGNOR(S) authorizes ASSIGNEE or its legal representative to insert in this instrument the filing date, serial number, and any other information that may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office or any other domestic or foreign government entity for the recordation of this document.

ASSIGNOR(S) warrants and agrees that:

- no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;
- upon request, ASSIGNOR(S) will promptly provide ASSIGNEE with all pertinent facts and documents relating to the invention as may be known and accessible to ASSIGNOR(S);
- ASSIGNOR(S) will, at ASSIGNEE'S expense, testify as to the same in any interference, litigation or proceeding related to the invention; and
- ASSIGNOR(S) will promptly execute and deliver to ASSIGNEE, its assigns or its
 legal representatives, without further or additional consideration, any and all papers,
 instruments or affidavits required, render all necessary assistance, and do such
 additional acts as ASSIGNEE or its successors or assigns may deem necessary or
 desirable, to apply for, obtain, maintain, issue and enforce any resulting patents or
 patent applications.

ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks and any foreign counterpart to issue any and all letters patent for the invention to ASSIGNEE, for ASSIGNEE'S sole use and benefit, and for the use and benefit of ASSIGNEE'S successors and assigns, to the full end of the term for which such patent may be granted.

ASSIGNOR(S) agree that this document shall bind and inure to the benefit of the heirs, assigns and legal representatives of both ASSIGNOR(S) and ASSIGNEE.

Date: 5/3/2015

Signature:

Pandall Martman

Date: 5/3/2019

Signature:

Michael Dacko