

<b>PATENT ASSIGNMENT COVER SHEET</b>
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EPAS ID: PAT7741039

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
CHARLES HOWARD CELLA	07/27/2018
GERALD WILLIAM DUFFY JR	08/01/2018
JEFFREY P. MCGUCKIN	07/27/2018
MEHUL DESAI	07/27/2018

**RECEIVING PARTY DATA**

<b>Name:</b>	STRONG FORCE IOT PORTFOLIO 2016, LLC
<b>Street Address:</b>	501 EAST OLAS BOULEVARD
<b>Internal Address:</b>	SUITE 200
<b>City:</b>	FORT LAUDERDALE
<b>State/Country:</b>	FLORIDA
<b>Postal Code:</b>	33301

**PROPERTY NUMBERS Total: 9**

Property Type	Number
Application Number:	17843624
Application Number:	17960688
Application Number:	18073925
Application Number:	18074336
Application Number:	18074357
Application Number:	18074361
Application Number:	18074367
Application Number:	18074380
Application Number:	18076494

**CORRESPONDENCE DATA**

**Fax Number:** (617)507-6127

*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.*

**Phone:** (908) 462-4657

**Email:** gtclaw@blackhillsip.com, ksmith@gtclawgroup.com,  
 docket@strongforceip.com

**Correspondent Name:** GTC LAW GROUP PC & AFFILIATES

**PATENT**

**Address Line 1:** ONE UNIVERSITY AVE.  
**Address Line 2:** STE. 302B  
**Address Line 4:** WESTWOOD, MASSACHUSETTS 02090

**ATTORNEY DOCKET NUMBER:** STRF- VARIOUS

**NAME OF SUBMITTER:** KELLY M. SMITH

**SIGNATURE:** /Kelly M. Smith/

**DATE SIGNED:** 01/13/2023

**Total Attachments: 5**

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



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**ASSIGNMENT**

WHEREAS, as a below named inventor, I have invented certain new and useful improvements in the United States Patent applications identified in Appendix A:

(hereinafter "Application(s)")

			
4/1/2020	4/1/2020	4/1/2020	4/1/2020

Strong Force

WHEREAS, ~~StrongForce~~ IoT Portfolio 2016, LLC, a limited liability corporation of the State of Delaware, having a place of business at 2500 Broadway, Suite F-125, Santa Monica, CA 90404, (hereinafter the "Assignee"), has acquired, or is desirous of acquiring, the entire right, title, and interest in and to (i) the Application(s), (ii) the inventions and improvements therein disclosed and (iii) any subsequent improvements thereto (i), (ii) and (iii) collectively, the "Inventions".

NOW, THEREFORE, for good and valuable consideration paid to me by, or on behalf of, the Assignee, the receipt and sufficiency of which are hereby acknowledged, I as a named inventor (hereinafter the "Assignor"), do hereby confirm my previous assignment, sale and/or transfer to the Assignee, or if no such previous assignment, sale and/or transfer occurred, do hereby assign, sell and transfer unto the Assignee the full and exclusive right, title and interest in and to the Inventions for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries, and all conversions, divisions, reissues, continuations, continuations-in-part, renewals and/or extensions thereof (the "Subsequent Filings"). Such assignment also includes the right to claim priority to the Application(s) and Subsequent Filings under any law, rule, treaty, or convention. Such assignment extends to the full end(s) of the term(s) of the Application(s), such Letters Patent and any Subsequent Filings as fully and entirely as the same would have been held and enjoyed by me had assignment not been made. Said full and exclusive right, title, and interest referred to above includes all rights to all past, present and future claims for infringement of any patent resulting from the Inventions including the right to grant licenses, to bring lawsuits, and to recover damages for any past, present, and future infringement, whether known or unknown, now existing or hereafter arising.

I, as a named inventor, covenant that, at the time of my assignment, I was or am a lawful owner of the Inventions and had or have the full right to make assignment of the Inventions. I further covenant that the Inventions are unencumbered, and that no license has been granted to make, use, import, offer for sale or sell the Inventions.

And for the consideration aforesaid, I agree individually and, if applicable, jointly, that I will communicate to the Assignee or the representatives thereof any facts known to me respecting the Inventions, and will, upon request but without expense to me, testify in any legal proceedings, sign all lawful papers, execute all documents in connection with the Application(s) and any Subsequent Filing, make all rightful oaths and declarations, and generally do all other and further lawful acts deemed necessary or expedient by the Assignee or by counsel for the Assignee to assist or enable the Assignee to obtain and enforce full benefits from the rights and interests assigned. My assignment shall be binding upon my heirs, executors, administrators and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors and/or assigns, as the case may be, of the Assignee.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of my assignment.

1. FULL NAME OF ASSIGNOR:  
**Charles Howard Cella**

RESIDENCE:  
**Pembroke, MA  
USA**

EXECUTED this 27 day of July, 20 18

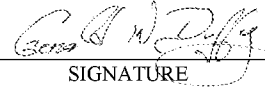


SIGNATURE

2. FULL NAME OF ASSIGNOR:  
**Gerald William Duffy Jr.**  
*GD* August 1, 2018

RESIDENCE:  
**Philadelphia, PA  
USA**

EXECUTED this 27 day of July, 20 18



SIGNATURE

3. FULL NAME OF ASSIGNOR:  
**Jeffrey P. McGuckin**

RESIDENCE:  
**Philadelphia, PA  
USA**

EXECUTED this 27 day of July, 20 18



SIGNATURE

4. FULL NAME OF ASSIGNOR:  
**Mehul Desai**

RESIDENCE:  
**Oak Brook, IL  
USA**

EXECUTED this 27 day of July, 20 18



SIGNATURE

## APPENDIX A:

<b>ATTORNEY DOCKET #</b>	<b>TITLE</b>	<b>DATE FILED</b>	<b>APPLICATION NUMBER</b>
STRF-0001- U01	METHODS AND SYSTEMS FOR INDUSTRIAL INTERNET OF THINGS DATA COLLECTION FOR A CHEMICAL PRODUCTION PROCESS	May 7, 2018	15/973,179
STRF-0001- U02	METHODS AND SYSTEMS FOR DATA STORAGE AND COMMUNICATION IN AN INTERNET OF THINGS CHEMICAL PRODUCTION PROCESS	May 7, 2018	15/973,297
STRF-0001- U03	METHODS AND SYSTEMS FOR PROCESS ADJUSTMENTS IN AN INTERNET OF THINGS CHEMICAL PRODUCTION PROCESS	May 7, 2018	15/973,188
STRF-0001- U04	METHODS AND SYSTEMS FOR INDUSTRIAL INTERNET OF THINGS DATA COLLECTION IN A NETWORK SENSITIVE MINING ENVIRONMENT	May 7, 2018	15/973,301
STRF-0001- U05	METHODS AND SYSTEMS FOR ADAPTION OF DATA COLLECTION UNDER ANOMALOUS CONDITIONS IN AN INTERNET OF THINGS MINING ENVIRONMENT	May 7, 2018	15/973,197
STRF-0001- U06	METHODS AND SYSTEMS FOR INDUSTRIAL INTERNET OF THINGS DATA COLLECTION FOR EQUIPMENT ANALYSIS IN AN UPSTREAM OIL AND GAS ENVIRONMENT	May 7, 2018	15/973,309
STRF-0001- U07	METHODS AND SYSTEMS FOR INDUSTRIAL INTERNET OF THINGS DATA COLLECTION FOR PROCESS ADJUSTMENT IN AN UPSTREAM OIL AND GAS ENVIRONMENT	May 7, 2018	15/973,205
STRF-0001- U08	METHODS AND SYSTEMS FOR INDUSTRIAL INTERNET OF THINGS DATA COLLECTION IN A NETWORK SENSITIVE UPSTREAM OIL AND GAS ENVIRONMENT	May 7, 2018	15/973,310

STRF-0001- U09	METHODS AND SYSTEMS FOR INDUSTRIAL INTERNET OF THINGS DATA COLLECTION IN DOWNSTREAM OIL AND GAS ENVIRONMENT	May 7, 2018	15/973,216
STRF-0001- U10	METHODS AND SYSTEMS FOR ADAPTION OF DATA STORAGE AND COMMUNICATION IN AN INTERNET OF THINGS DOWNSTREAM OIL AND GAS ENVIRONMENT	May 7, 2018	15/973,334
STRF-0001- U11	METHODS AND SYSTEMS FOR PROCESS ADAPTATION IN AN INTERNET OF THINGS DOWNSTREAM OIL AND GAS ENVIRONMENT	May 7, 2018	15/973,229
STRF-0001- U12	METHODS AND SYSTEMS FOR A DATA MARKETPLACE IN AN INDUSTRIAL INTERNET OF THINGS ENVIRONMENT	May 7, 2018	15/973,336
STRF-0001- U13	METHODS AND SYSTEMS FOR A NOISE PATTERN DATA MARKETPLACE IN AN INDUSTRIAL INTERNET OF THINGS ENVIRONMENT	May 7, 2018	15/973,371
STRF-0001- U14	METHODS AND SYSTEMS FOR DATA COLLECTION OPTIMIZATION IN AN INDUSTRIAL INTERNET OF THINGS ENVIRONMENT	May 7, 2018	15/973,339
STRF-0001- U15	METHODS AND SYSTEMS FOR SELF- ORGANIZATION OF COLLECTED DATA USING 3RD PARTY DATA FROM A DATA MARKETPLACE IN AN INDUSTRIAL INTERNET OF THINGS ENVIRONMENT	May 7, 2018	15/973,320
STRF-0001- U16	METHODS AND SYSTEMS FOR OPTIMIZATION OF DATA COLLECTION AND STORAGE USING 3RD PARTY DATA FROM A DATA MARKETPLACE IN AN INDUSTRIAL INTERNET OF THINGS ENVIRONMENT	May 7, 2018	15/973,341

STRF-0001-U17	METHODS AND SYSTEMS FOR INDUSTRIAL INTERNET OF THINGS DATA COLLECTION FOR VIBRATION SENSITIVE EQUIPMENT	May 7, 2018	15/973,333
STRF-0001-U18	METHODS AND SYSTEMS FOR EQUIPMENT MONITORING IN AN INTERNET OF THINGS MINING ENVIRONMENT	May 7, 2018	15/973,388
STRF-0001-U19	METHODS AND SYSTEMS FOR DATA STORAGE IN AN INDUSTRIAL INTERNET OF THINGS DATA COLLECTION ENVIRONMENT WITH LARGE DATA SETS	May 7, 2018	15/973,356
STRF-0001-U20	METHODS AND SYSTEMS FOR DATA PROCESSING IN AN INDUSTRIAL INTERNET OF THINGS DATA COLLECTION ENVIRONMENT WITH LARGE DATA SETS	May 7, 2018	15/973,397
STRF-0001-U21	METHODS AND SYSTEMS FOR COMMUNICATIONS IN AN INDUSTRIAL INTERNET OF THINGS DATA COLLECTION ENVIRONMENT WITH LARGE DATA SETS	May 7, 2018	15/973,399
STRF-0001-U22	METHODS AND SYSTEMS FOR DETECTION IN AN INDUSTRIAL INTERNET OF THINGS DATA COLLECTION ENVIRONMENT WITH LARGE DATA SETS	May 7, 2018	15/973,406