

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7162219

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
HONEYWELL INTERNATIONAL INC.		04/04/2021
RECEIVING PARTY DATA		
Name:	HONEYWELL HELIOS LLC	
Street Address:	303 S TECHNOLOGY COURT	
City:	BROOMFIELD	
State/Country:	COLORADO	
Postal Code:	80021	
PROPERTY NUMBERS Total: 66		
Property Type	Number	
Application Number:	16856719	
Application Number:	16709290	
Application Number:	63072366	
Application Number:	17444220	
Application Number:	16704210	
Application Number:	62845741	
Application Number:	16717535	
Application Number:	63037482	
Application Number:	17316354	
Application Number:	16717602	
Application Number:	17302507	
Application Number:	16716973	
Application Number:	16705727	
Application Number:	62896970	
Application Number:	17008832	
Application Number:	16872783	
Application Number:	16683335	
Application Number:	17644165	
Application Number:	16872817	
Application Number:	16702896	

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Property Type	Number
Application Number:	63059320
Application Number:	17305201
Application Number:	63031410
Application Number:	17319511
Application Number:	63199279
Application Number:	17533587
Application Number:	63088064
Application Number:	17393011
Application Number:	63200263
Application Number:	17583308
Application Number:	15589370
Application Number:	15687688
Application Number:	15412857
Application Number:	15700937
Application Number:	15408170
Application Number:	15584456
Application Number:	15919959
Application Number:	15645324
Application Number:	13958302
Application Number:	16399568
Application Number:	14752368
Application Number:	16412278
Application Number:	16570726
Application Number:	16410694
Application Number:	16774886
Application Number:	14686576
Application Number:	13839923
Application Number:	14742346
Application Number:	14700312
Application Number:	14682810
Application Number:	14686553
Application Number:	14686481
Application Number:	15014709
Application Number:	14686501
Application Number:	14686592
Application Number:	15162027
Application Number:	15414295
Application Number:	14686524

Property Type	Number
Application Number:	14719587
Application Number:	15334067
Application Number:	14798941
Application Number:	17068639
Application Number:	16560917
Application Number:	16735438
Application Number:	17095856
Application Number:	16950607

CORRESPONDENCE DATA

Fax Number: (704)444-1111

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: 7044441000

Email: patent-mail@alston.com

Correspondent Name: ALSTON & BIRD LLP/CHRISTOPHER TL DOUGLAS

Address Line 1: BANK OF AMERICA PLAZA, 101 S. TRYON ST.

Address Line 2: SUITE 4000

Address Line 4: CHARLOTTE, NORTH CAROLINA 28280-4000

ATTORNEY DOCKET NUMBER: 066849/541301

NAME OF SUBMITTER: CHRISTOPHER TL DOUGLAS

SIGNATURE: /Christopher TL Douglas/

DATE SIGNED: 02/07/2022

Total Attachments: 10

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CONTRIBUTION AGREEMENT

This CONTRIBUTION AGREEMENT (this "Agreement"), effective as of April 4, 2021, is entered into by and among HONEYWELL INTERNATIONAL INC., a Delaware corporation ("Transferor"), and HONEYWELL HELIOS LLC, a Delaware limited liability company ("Transferee" and, together with Transferors, the "Parties").

RECITALS

WHEREAS, Transferee is a direct subsidiary of Transferor.

WHEREAS, Transferor holds certain assets and liabilities relating to the Business.

WHEREAS, Transferor has determined that it is in the best interest of itself and its Affiliates that Transferor undertake a corporate restructuring, pursuant to which assets and liabilities of the Business will be transferred from Transferor to Transferee.

WHEREAS, accordingly, Transferor desires to transfer, assign and contribute to Transferee, and Transferee desires to accept and assume from Transferor, certain assets and liabilities of the Transferor used in or relating to the Business, all as set forth in this Agreement (the "Contribution").

NOW, THEREFORE, in consideration of the representations, warranties, covenants and other agreements contained herein, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereto hereby agree as follows:

ARTICLE I

CONTRIBUTION

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

1.2 Transfer and Contribution of Assets. Upon the terms and subject to the conditions set forth in this Agreement, effective as of the Closing Date, Transferor hereby transfers, conveys, assigns and delivers to Transferee, and Transferee hereby acquires and accepts from Transferor, all of Transferor's right, title and interest in, to and under the properties, rights, and assets that relate exclusively to the Business (but in all cases excluding the Retained Assets), in each case, as and to the extent such right, title and interest exists as of the Closing Date (such properties, rights, and assets are hereinafter collectively referred to as the "Contributed Assets"), including, but not limited to, the following Contributed Assets:

[REDACTED]

(d) all Intellectual Property Rights owned by Transferor as of the Closing Date that are exclusively used in or are exclusively related to the development, manufacture, marketing, use, or sale of the Business Services, including the Intellectual Property Rights identified on Schedule 1.2(d) (collectively, the "Transferred Intellectual Property");

[REDACTED]

IN WITNESS WHEREOF, the Parties hereto have caused this Agreement to be executed as of the date first written above by their respective officers thereunto duly authorized.

TRANSFEROR:

HONEYWELL INTERNATIONAL INC.

DocuSigned by:
By: Anne Madden
8CA9685BB5A04F3...
Name: Anne Madden
Title: Senior Vice President and General Counsel

TRANSFeree:

HONEYWELL HELIOS LLC

By: _____
Name: Anthony P. Uttley
Title: President

IN WITNESS WHEREOF, the Parties hereto have caused this Agreement to be executed as of the date first written above by their respective officers thereunto duly authorized.

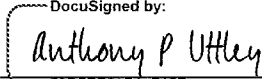
TRANSFEROR:

HONEYWELL INTERNATIONAL INC.

By: _____
Name: Anne Madden
Title: Senior Vice President and General
Counsel

TRANSFeree:

HONEYWELL HELIOS LLC

By:  _____
Name: Anthony P. Uttley
Title: President

Attachment 1.2(d)

[See attached.]

Patent: Patent ID	Filing Date	Application Number	Patent Number	Title	Prosecution Status	IP Right Status	Earliest Priority Date	Relationship to Parent
H0047661-US-4	5/8/2017	15/589,370	10,084,034	DEVICES, SYSTEMS, AND METHODS FOR ION TRAPPING	Issued	In Force	4/14/2015	Continuation
H0042745-US-2	8/28/2017	15/687,688	10,119,913	DIE-INTEGRATED ASPHERIC MIRROR	Issued	In Force	4/14/2015	Continuation
H0047621-US-2	1/23/2017	15/412,857	10,145,792	MULTI-CELL APPARATUS AND METHOD FOR SINGLE ION ADDRESSING	Issued	In Force	4/14/2015	Continuation
H0046598-US-3	9/11/2017	15/700,937	10,178,753	MICRO-STRUCTURED ATOMIC SOURCE SYSTEM	Issued	In Force	4/9/2015	Continuation
H0048584-US-2	1/17/2017	15/408,170	10,186,409	ION TRAPPING WITH INTEGRATED ELECTROMAGNETS	Issued	In Force	6/17/2015	Continuation
H0047622-US-2	5/2/2017	15/584,456	10,302,974	PREPARATION CELL SYSTEMS AND METHODS OF PREPARING A STATE OF LASER LIGHT	Issued	In Force	4/14/2015	Continuation
H0048586-US-4	3/13/2018	15/919,959	10,304,650	APPARATUSES, SYSTEMS, AND METHODS FOR ION TRAPS	Issued	In Force	4/30/2015	Divisional
H0047729-US-2	7/10/2017	15/645,324	10,340,052	SINGLE CELL APPARATUS AND METHOD FOR SINGLE ION ADDRESSING	Issued	In Force	4/14/2015	Continuation
H0039790-US	8/2/2013	13/958,302	10,379,324	ADAPTIVE OPTICAL ZOOM SYSTEMS AND METHODS	Issued	In Force	8/2/2013	
H0048586-US-4-CON	4/30/2019	16/399,568	10,546,734	APPARATUSES, SYSTEMS, AND METHODS FOR ION TRAPS	Issued	In Force	4/30/2015	Continuation
H0048582-US	6/26/2015	14/752,368	10,553,414	APPARATUS AND METHOD FOR TRAPPING MULTIPLE IONS GENERATED FROM MULTIPLE SOURCES	Issued	In Force	6/26/2015	
H214709-US2	12/17/2019	16/717,535	10,733,524	QUANTUM D-STATE AC-STARK SHIFT GATE CRYOGENIC RADIO-FREQUENCY	Issued	In Force	5/9/2019	From Provisional
H211337-US	5/14/2019	16/412,278	10,804,871	RESONATOR FOR SURFACE ION TRAPS	Issued	In Force	5/14/2019	
H0049384-US	9/13/2019	16/570,726	10,840,078	ENCLOSURE FOR ION TRAPPING DEVICE	Issued	In Force	9/13/2019	
H209238-US	5/13/2019	16/410,694	10,867,855	THROUGH SILICON VIA FABRICATION	Issued	In Force	5/13/2019	
H0048586-US-4-CON2	1/28/2020	16/774,886	10,950,408	APPARATUSES, SYSTEMS, AND METHODS FOR ION TRAPS	Issued	In Force	4/30/2015	Continuation
H218167-US	12/4/2019	16/702,896	10,951,002	BICHROMATIC LASER FOR QUANTUM COMPUTING APPLICATIONS	Issued	In Force	12/4/2019	
H0047661-GB	11/19/2015	15195480.7	3050843	DEVICES, SYSTEMS, AND METHODS FOR ION TRAPPING	Issued	In Force	1/30/2015	National/Regional Phase
H0048586-GB	2/17/2016	16156215.2	3088354	APPARATUSES, SYSTEMS, AND METHODS FOR ION TRAPS	Issued	In Force	4/30/2015	National/Regional Phase
H0048586-AT	2/17/2016	16156215.2	3088354	APPARATUSES, SYSTEMS, AND METHODS FOR ION TRAPS	Issued	In Force	4/30/2015	National/Regional Phase
H0047621-GB	2/8/2016	16154696.5	3088869	MULTI-CELL APPARATUS AND METHOD FOR SINGLE ION ADDRESSING	Issued	In Force	4/14/2015	National/Regional Phase
H0047729-GB	4/4/2016	16163767.3	3091352	SINGLE CELL APPARATUS AND METHOD FOR SINGLE ION ADDRESSING	Issued	In Force	4/14/2015	National/Regional Phase
H0048581-GB	3/8/2016	16159281.1	3096327	ION TRAP WITH VARIABLE PITCH	Issued	In Force	5/22/2015	National/Regional Phase
H0048584-AT	4/7/2016	16164338.2	3106427	ELECTRODES	Issued	In Force	6/17/2015	National/Regional Phase
H0048584-DE	4/7/2016	16164338.2	3106427	ION TRAPPING WITH INTEGRATED ELECTROMAGNETS	Issued	In Force	6/17/2015	National/Regional Phase
H0048584-GB	4/7/2016	16164338.2	3106427	ION TRAPPING WITH INTEGRATED ELECTROMAGNETS	Issued	In Force	6/17/2015	National/Regional Phase
H0048582-GB	4/18/2016	16165878.6	3109802	ELECTROMAGNETS	Issued	In Force	6/17/2015	National/Regional Phase
H0047661-DE	11/19/2015	EP3050843	602015005577.2	TRAPPING MULTIPLE IONS	Issued	In Force	6/26/2015	National/Regional Phase
H0047621-DE	2/8/2016	EP3088869	602016005236.9	DEVICES, SYSTEMS, AND METHODS FOR ION TRAPPING	Issued	In Force	1/30/2015	National/Regional Phase
H0047729-DE	4/4/2016	EP3091352	602016005263.6	MULTI-CELL APPARATUS AND METHOD FOR SINGLE ION ADDRESSING	Issued	In Force	4/14/2015	National/Regional Phase
H0048581-DE	3/8/2016	16159281.1	602016013440.3	SINGLE CELL APPARATUS AND METHOD FOR SINGLE ION ADDRESSING	Issued	In Force	4/14/2015	National/Regional Phase
H0047661-US-2	4/14/2015	14/686,576	9,287,348	ION TRAP WITH VARIABLE PITCH	Issued	In Force	5/22/2015	National/Regional Phase
H0037719-US	3/15/2013	13/839,923	9,371,222	ELECTRODES	Issued	In Force	4/14/2015	Claims Priority
H0048584-US	6/17/2015	14/742,346	9,548,191	DEVICES, SYSTEMS, AND METHODS FOR ION TRAPPING	Issued	In Force	4/14/2015	
H0048586-US	4/30/2015	14/700,312	9,558,908	MICROSTRUCTURE PLATING SYSTEMS AND METHODS	Issued	In Force	3/15/2013	
H0046598-US	4/9/2015	14/682,810	9,585,237	ION TRAPPING WITH INTEGRATED ELECTROMAGNETS	Issued	In Force	6/17/2015	
H0047621-US	4/14/2015	14/686,553	9,588,047	APPARATUSES, SYSTEMS, AND METHODS FOR ION TRAPS	Issued	In Force	4/30/2015	
H0047622-US	4/14/2015	14/686,481	9,645,417	MICRO-STRUCTURED ATOMIC SOURCE SYSTEM	Issued	In Force	4/9/2015	
H0047661-US-3	2/3/2016	15/014,709	9,647,055	SYSTEM	Issued	In Force	4/9/2015	Continuation
H0047669-US	4/14/2015	14/686,501	9,658,404	DIE-INTEGRATED ASPHERIC MIRROR	Issued	In Force	4/14/2015	
H0047729-US	4/14/2015	14/686,592	9,715,950	ION TRAP WITH VARIABLE PITCH	Issued	In Force	4/14/2015	
H0037719-US-2	5/23/2016	15/162,027	9,758,364	ELECTRODES	Issued	In Force	5/22/2015	
H0046598-US-2	1/24/2017	15/414,295	9,788,407	APPARATUSES, SYSTEMS, AND METHODS FOR ION TRAPS	Issued	In Force	4/30/2015	Divisional
H0042745-US	4/14/2015	14/686,524	9,791,370	MICRO-STRUCTURED ATOMIC SOURCE SYSTEM	Issued	In Force	4/9/2015	Continuation
H0048581-US	5/22/2015	14/719,587	9,837,258	DEVICES, SYSTEMS, AND METHODS FOR ION TRAPS	Issued	In Force	4/14/2015	
H0048586-US-2	10/25/2016	15/334,067	9,916,957	ION TRAPPING WITH INTEGRATED ELECTROMAGNETS	Issued	In Force	6/17/2015	

H0047668-US	7/14/2015 14/798,941	9,989,730	ALIGNMENT OF AN OPTICAL COMPONENT APPARATUSES, SYSTEMS, AND METHODS	Issued	In Force	7/14/2015
H0048586-DE	2/17/2016 EP3088354	DE602016000713.4	FOR ION TRAPS	Issued	In Force	4/30/2015 National/Regional Phase
H0048582-DE	4/18/2016 EP3109802	DE602016003477.8	TRAPPING MULTIPLE IONS	Issued	In Force	6/26/2015 National/Regional Phase

Patent: Patent ID	Filing Date	Application Number	Patent Number	Title	Prosecution Status	IP Right Status	Earliest Priority Date	Relationship to Parent
H214156-US	12/5/2019	16/704,210		SUPERCONDUCTING SHIELD FOR CRYOGENIC CHAMBER	Filed	Pending	12/5/2019	
H216746-US	12/17/2019	16/716,973		QUANTUM COMPUTER PHASE TRACKING AND CORRECTION	Filed	Pending	12/17/2019	
H217046-US	12/6/2019	16/705,727		HOLOGRAPHIC QUANTUM DYNAMICS SIMULATION	Filed	Pending	12/6/2019	
H211424-US	12/10/2019	16/709,290		SUPPRESSING/TRANSFORMING LEAKAGE ERRORS IN HYPERFINE QUBITS	Filed	Pending	12/10/2019	
H216416-US	12/17/2019	16/717,602		APPARATUSES, SYSTEMS, AND METHODS FOR ION TRAPS	Filed	Pending	12/17/2019	
H217495-US	11/14/2019	16/683,335		INTEGRATED ACTIVE/PASSIVE VISIBLE/UV MODULATOR	Filed	Pending	11/14/2019	
H207325-US	4/23/2020	16/856,719		TESTING ENVIRONMENT FOR CRYOGENIC CHAMBER	Filed	Pending	4/23/2020	
H217266-US	5/12/2020	16/872,783		DYNAMIC NOISE SHAPING FILTERS AND CORRESPONDING METHODS	Filed	Pending	5/12/2020	
H218255-US	7/31/2020	63/059,320		ION TRAP APPARATUS WITH INTEGRATED SWITCHING APPARATUS	Filed	Pending	7/31/2020	
				APPARATUSES, COMPUTER-IMPLEMENTED METHODS, AND COMPUTER PROGRAM PRODUCTS FOR INSTRUCTION COMPILATION FOR AT LEAST ONE TIME SLICE IN A ONE-DIMENSIONAL QUANTUM COMPUTING ENVIRONMENT	Filed	Pending	5/28/2020	
H218689-US	5/28/2020	63/031,410		THROUGH SILICON VIA FABRICATION	Filed	Pending	5/13/2019	Claims Priority
H209238-CA	3/11/2020	3075107		QUANTUM COMPUTING PHASE GATE	Filed	Pending	5/9/2019	Claims Priority
H214709-CA	5/4/2020	3080280		QUANTUM D-STATE AC-STARK SHIFT GATE	Filed	Pending	5/9/2019	Claims Priority
H214709-JP	4/27/2020	2020-077897		QUANTUM COMPUTING PHASE GATE	Filed	Pending	5/9/2019	Claims Priority
H214709-SG	4/13/2020	10202003328X						
H219811-US	2/3/2021	63/145,039		NOISE MITIGATION CIRCUITRY FOR QUANTUM COMPUTERS AND CORRESPONDING METHODS	Filed	Pending	2/3/2021	
H217495-EP	10/16/2020	20202442.8		PREPARATION CELL SYSTEMS AND METHODS OF A PREPARING A STATE OF LASER LIGHT	Filed	Pending	11/14/2019	Claims Priority
H213810-US	8/31/2020	63/072,366		LOW TEMPERATURE LOW-ABUNDANCE ATOMIC OBJECT DISPENSER	Filed	Pending	8/31/2020	
H220658-US	10/6/2020	63/088,064		DECREASED CROSSTALK ATOMIC OBJECT DETECTION	Filed	Pending	10/6/2020	
H211337-US-CON	10/12/2020	17/068,639		CRYOGENIC RADIO-FREQUENCY RESONATOR FOR SURFACE ION TRAPS	Filed	Pending	5/14/2019	Continuation
H216416-AU	11/25/2020	2020277183		APPARATUSES, SYSTEMS, AND METHODS FOR ION TRAPS	Filed	Pending	12/17/2019	Claims Priority
H216416-CA	12/8/2020	3101927		APPARATUSES, SYSTEMS, AND METHODS FOR ION TRAPS	Filed	Pending	12/17/2019	Claims Priority
H216416-CN	12/2/2020	202011394426.1		APPARATUSES, SYSTEMS, AND METHODS FOR ION TRAPS	Filed	Pending	12/17/2019	Claims Priority
H216416-EP	12/2/2020	20211376.7		APPARATUSES, SYSTEMS, AND METHODS FOR ION TRAPS	Filed	Pending	12/17/2019	Claims Priority
H216416-IL	11/26/2020	279014		APPARATUSES, SYSTEMS, AND METHODS FOR ION TRAPS	Filed	Pending	12/17/2019	Claims Priority
H216416-JP	12/8/2020	2020-203581		APPARATUSES, SYSTEMS, AND METHODS FOR ION TRAPS	Filed	Pending	12/17/2019	Claims Priority
H216416-KR	12/8/2020	10-2020-0170303		APPARATUSES, SYSTEMS, AND METHODS FOR ION TRAPS	Filed	Pending	12/17/2019	Claims Priority
H216416-SG	11/25/2020	10202011725Q		APPARATUSES, SYSTEMS, AND METHODS FOR ION TRAPS	Filed	Pending	12/17/2019	Claims Priority
H218167-AU	11/12/2020	2020267250		BICHROMATIC LASER FOR QUANTUM COMPUTING APPLICATIONS	Filed	Pending	12/4/2019	Claims Priority
H218167-CA	11/19/2020	3100048		BICHROMATIC LASER FOR QUANTUM COMPUTING APPLICATIONS	Filed	Pending	12/4/2019	Claims Priority
H218167-CN	12/2/2020	202011393705.6		BICHROMATIC LASER FOR QUANTUM COMPUTING APPLICATIONS	Filed	Pending	12/4/2019	Claims Priority
H218167-EP	11/20/2020	20209083.3		BICHROMATIC LASER FOR QUANTUM COMPUTING APPLICATIONS	Filed	Pending	12/4/2019	Claims Priority
H218167-IL	11/16/2020	278737		BICHROMATIC LASER FOR QUANTUM COMPUTING APPLICATIONS	Filed	Pending	12/4/2019	Claims Priority
H218167-JP	12/2/2020	2020-200097		BICHROMATIC LASER FOR QUANTUM COMPUTING APPLICATIONS	Filed	Pending	12/4/2019	Claims Priority
H218167-KR	12/3/2020	10-2020-0167451		BICHROMATIC LASER FOR QUANTUM COMPUTING APPLICATIONS	Filed	Pending	12/4/2019	Claims Priority
H218167-SG	11/12/2020	10202011234W		BICHROMATIC LASER FOR QUANTUM COMPUTING APPLICATIONS	Filed	Pending	12/4/2019	Claims Priority
H217046-AU	11/18/2020	2020270516		HOLOGRAPHIC QUANTUM DYNAMICS SIMULATION	Filed	Pending	12/6/2019	Claims Priority
H217046-CA	11/26/2020	3100864		HOLOGRAPHIC QUANTUM DYNAMICS SIMULATION	Filed	Pending	12/6/2019	Claims Priority
H217046-CN	12/2/2020	202011396640.0		HOLOGRAPHIC QUANTUM DYNAMICS SIMULATION	Filed	Pending	12/6/2019	Claims Priority
H217046-EP	11/24/2020	20209625.1		HOLOGRAPHIC QUANTUM DYNAMICS SIMULATION	Filed	Pending	12/6/2019	Claims Priority
H217046-IL	11/18/2020	278800		HOLOGRAPHIC QUANTUM DYNAMICS SIMULATION	Filed	Pending	12/6/2019	Claims Priority
H217046-JP	12/4/2020	2020-201918		HOLOGRAPHIC QUANTUM DYNAMICS SIMULATION	Filed	Pending	12/6/2019	Claims Priority
H217046-KR	12/2/2020	10-2020-0166615		HOLOGRAPHIC QUANTUM DYNAMICS SIMULATION	Filed	Pending	12/6/2019	Claims Priority
H217046-SG	11/18/2020	10202011484P		HOLOGRAPHIC QUANTUM DYNAMICS SIMULATION	Filed	Pending	12/6/2019	Claims Priority
H217046-IN	11/26/2020	202014051600		HOLOGRAPHIC QUANTUM DYNAMICS SIMULATION	Filed	Pending	12/6/2019	Claims Priority
H216746-AU	11/26/2020	2020277198		QUANTUM COMPUTER PHASE TRACKING AND CORRECTION	Filed	Pending	12/17/2019	Claims Priority
H216746-CA	12/8/2020	3101918		QUANTUM COMPUTER PHASE TRACKING AND CORRECTION	Filed	Pending	12/17/2019	Claims Priority
H216746-CN	12/3/2020	202011395617.X		QUANTUM COMPUTER PHASE TRACKING AND CORRECTION	Filed	Pending	12/17/2019	Claims Priority
H216746-EP	12/2/2020	20211374.2		QUANTUM COMPUTER PHASE TRACKING AND CORRECTION	Filed	Pending	12/17/2019	Claims Priority
H216746-IL	11/26/2020	279016		QUANTUM COMPUTER PHASE TRACKING AND CORRECTION	Filed	Pending	12/17/2019	Claims Priority
H216746-JP	12/11/2020	2020-205690		QUANTUM COMPUTER PHASE TRACKING AND CORRECTION	Filed	Pending	12/17/2019	Claims Priority
H216746-KR	12/3/2020	10-2020-0167452		QUANTUM COMPUTER PHASE TRACKING AND CORRECTION	Filed	Pending	12/17/2019	Claims Priority
H216746-SG	11/25/2020	10202011728P		QUANTUM COMPUTER PHASE TRACKING AND CORRECTION	Filed	Pending	12/17/2019	Claims Priority
H211424-AU	11/20/2020	2020273358		SUPPRESSING/TRANSFORMING LEAKAGE ERRORS IN HYPERFINE QUBITS	Filed	Pending	12/10/2019	Claims Priority
H211424-CA	12/1/2020	3101287		SUPPRESSING/TRANSFORMING LEAKAGE ERRORS IN HYPERFINE QUBITS	Filed	Pending	12/10/2019	Claims Priority
H211424-CN	12/1/2020	202011389578.2		SUPPRESSING/TRANSFORMING LEAKAGE ERRORS IN HYPERFINE QUBITS	Filed	Pending	12/10/2019	Claims Priority
H211424-EP	11/25/2020	20209916.4		SUPPRESSING/TRANSFORMING LEAKAGE ERRORS IN HYPERFINE QUBITS	Filed	Pending	12/10/2019	Claims Priority
H211424-IL	11/22/2020	278871		SUPPRESSING/TRANSFORMING LEAKAGE ERRORS IN HYPERFINE QUBITS	Filed	Pending	12/10/2019	Claims Priority
H211424-JP	12/8/2020	2020-203332		SUPPRESSING/TRANSFORMING LEAKAGE ERRORS IN HYPERFINE QUBITS	Filed	Pending	12/10/2019	Claims Priority
H211424-KR	12/10/2020	10-2020-0171857		SUPPRESSING/TRANSFORMING LEAKAGE ERRORS IN HYPERFINE QUBITS	Filed	Pending	12/10/2019	Claims Priority
H211424-SG	11/20/2020	10202011557Y		SUPPRESSING/TRANSFORMING LEAKAGE ERRORS IN HYPERFINE QUBITS	Filed	Pending	12/10/2019	Claims Priority
H221995-US	2/25/2021	63/200,263		QUBIT READING PROCEDURE INCLUDING COHERENT SHELIVING	Filed	Pending	2/25/2021	
H207325-CN	2/23/2021	202110202090.2		TESTING ENVIRONMENT FOR CRYOGENIC CHAMBER	Filed	Pending	4/23/2020	Claims Priority
H207325-EP	2/23/2021	21158832.2		TESTING ENVIRONMENT FOR CRYOGENIC CHAMBER	Filed	Pending	4/23/2020	Claims Priority
				DETERMINISTIC RESHAPING AND/OR REORDERING OF GROUPS OF ATOMIC OBJECTS WITHIN AN ATOMIC OBJECT CONFINEMENT				
H218083-US	5/12/2020	16/872,817		APPARATUS	Filed	Pending	5/12/2020	
H216102-US	6/10/2020	63/037,482		BEAM DELIVERY SYSTEM	Filed	Pending	6/10/2020	
H209238-JP	3/13/2020	2020-044294		THROUGH SILICON VIA FABRICATION	Filed	Pending	5/13/2019	Claims Priority
H211337-CA	5/11/2020	3080777		CRYOGENIC RADIO-FREQUENCY RESONATOR FOR SURFACE ION TRAPS	Filed	Pending	5/14/2019	Claims Priority
H211337-JP	5/13/2020	2020-084598		CRYOGENIC RADIO-FREQUENCY RESONATOR FOR SURFACE ION TRAPS	Filed	Pending	5/14/2019	Claims Priority

H211337-SG	5/5/2020	10202004132V	CRYOGENIC RADIO-FREQUENCY RESONATOR FOR SURFACE ION TRAPS	Filed	Pending	5/14/2019	Claims Priority
H219941-US	12/17/2020	63/199,279	APPARATUSES, SYSTEMS, AND METHODS FOR ELLIPTICAL ATOMIC	Filed	Pending	12/17/2020	
H208126-US	9/4/2019	16/560,917	OBJECT TRAPS	Published	Pending	9/4/2019	
H214413-US2	1/6/2020	16/735,438	CABLE MANAGEMENT FOR CRYOGENIC SYSTEM	Published	Pending	2/27/2019	From Provisional
H209238-EP	3/6/2020	20161664.6	DETECTION SCHEME	Published	Pending	5/13/2019	Claims Priority
H214709-EP	5/6/2020	20173349.0	THROUGH SILICON VIA FABRICATION	Published	Pending	5/9/2019	Claims Priority
H214709-CN	5/6/2020	202010375430.7	QUANTUM D-STATE AC-STARK SHIFT GATE	Published	Pending	5/9/2019	Claims Priority
H217248-US2	9/1/2020	17/008,832	QUANTUM D-STATE AC-STARK SHIFT GATE	Published	Pending	9/6/2019	From Provisional
H209238-US-CON	11/12/2020	17/095,856	COMPACT LASER DELIVERY TO ATOMIC SYSTEMS	Published	Pending	5/13/2019	Continuation
H0049384-US-CIP	11/17/2020	16/950,607	THROUGH SILICON VIA FABRICATION	Published	Pending	9/13/2019	Continuation-in-part
H0042745-EP	2/8/2016	16154682.5	ENCLOSURE FOR ION TRAPPING DEVICE	Published	Pending	4/14/2015	Claims Priority
			DIE-INTEGRATED ASPHERIC MIRROR	Published			
			PREPARATION CELL SYSTEMS AND METHODS OF PREPARING A STATE OF				
H0047622-EP	2/8/2016	16154710.4	LASER LIGHT	Published	Pending	4/14/2015	Claims Priority
H0047669-EP	2/8/2016	16154735.1	OPTICAL BENCH	Published	Pending	4/14/2015	Claims Priority
H214413-EP	2/24/2020	20159165.8	DETECTION SCHEME	Published	Pending	2/27/2019	Claims Priority
H209238-CN	3/12/2020	202010170957.6	THROUGH SILICON VIA FABRICATION	Published	Pending	5/13/2019	Claims Priority
H211337-CN	5/14/2020	202010407779.4	CRYOGENIC RADIO-FREQUENCY RESONATOR FOR SURFACE ION TRAPS	Published	Pending	5/14/2019	Claims Priority
H211337-EP	5/12/2020	20174220.2	CRYOGENIC RADIO-FREQUENCY RESONATOR FOR SURFACE ION TRAPS	Published	Pending	5/14/2019	Claims Priority
H0049384-EP	7/8/2020	20184829.8	ENCLOSURE FOR ION TRAPPING DEVICE	Published	Pending	9/13/2019	Claims Priority
H217248-EP	9/2/2020	20194204.2	COMPACT LASER DELIVERY TO ATOMIC SYSTEMS	Published	Pending	9/6/2019	Claims Priority