#### 505347757 02/26/2019

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5394540

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
NICHOLAS BRATHWAITE	02/08/2019
JUMIE YUVENTI	02/08/2019
BAHMAN SHARIFIPOUR	02/06/2019
MARK THOMAS	02/23/2019

#### **RECEIVING PARTY DATA**

Name:	KATERRA, INC.	
Street Address:	2494 SAND HILL ROAD	
Internal Address:	BLDG. 7, SUITE 100	
City:	MENLO PARK	
State/Country:	CALIFORNIA	
Postal Code:	94025	

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15952172

#### **CORRESPONDENCE DATA**

**Fax Number:** (503)224-7819

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:** 9712301077

**Email:** greg@eoplaw.com, niel@eoplaw.com **Correspondent Name:** ELLIOTT, OSTRANDER & PRESTON, P.C.

Address Line 1: 707 SW WASHINGTON STREET

Address Line 2: SUITE 1500

Address Line 4: PORTLAND, OREGON 97205

ATTORNEY DOCKET NUMBER:	37559.617
NAME OF SUBMITTER:	GREGORY D. CALDWELL
SIGNATURE:	/Gregory D. Caldwell/
DATE SIGNED:	02/26/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT 505347757 REEL: 048447 FRAME: 0282

## **Total Attachments: 15** source=37559 617 Dec Assignment of Inventors filed 20190226#page1.tif source=37559 617 Dec Assignment of Inventors filed 20190226#page2.tif source=37559 617 Dec Assignment of Inventors filed 20190226#page3.tif source=37559 617 Dec Assignment of Inventors filed 20190226#page4.tif source=37559 617 Dec Assignment of Inventors filed 20190226#page5.tif source=37559 617 Dec Assignment of Inventors filed 20190226#page6.tif source=37559 617 Dec Assignment of Inventors filed 20190226#page7.tif source=37559\_617\_Dec\_Assignment\_of\_Inventors\_filed\_20190226#page8.tif source=37559 617 Dec Assignment of Inventors filed 20190226#page9.tif source=37559 617 Dec Assignment of Inventors filed 20190226#page10.tif source=37559\_617\_Dec\_Assignment\_of\_Inventors\_filed\_20190226#page11.tif source=37559 617 Dec Assignment of Inventors filed 20190226#page12.tif source=37559 617 Dec Assignment of Inventors filed 20190226#page13.tif source=37559\_617\_Dec\_Assignment\_of\_Inventors\_filed\_20190226#page14.tif source=37559 617 Dec Assignment of Inventors filed 20190226#page15.tif

PATENT REEL: 048447 FRAME: 0283

	N AND ASSIG		Attorney Docket Number	37559,617		
UTILITY OR DESIGN PATENT APPLICATION		First Named Inventor	BRATHWAIT	E. Nicholas		
,	(37 CFR 1.63)			COMPLETE IF KNOWN		
☐ Declaration	OR Dec	laration	Application Number	15/952,172		
Submitted with Initial		mitted after Initial	Filing Date	April 12, 201	18	
Filing		g (surcharge CFR 1.16(f))	Confirmation No.			
required)	***************************************	***************************************	Art Unit			
Title of Invention	Method and A	pparatus for Dyn	namic Electrical Load Sensing	and Line to L	oad Switching	
As a below named	inventor, I her	eby declare that				
☑ This declaration						
☐ The attached ap	plication,					
OR						
☑ United States Ap	plication Num	ber or PCT Inter	national application number	<u>15/952,172</u>		
filed on. <u>April 12, 2</u>	0218					
The above-identifie	d application v	was made or aut	horized to be made by me.			
I believe I am the o	riginal invento	r or an original jo	pint inventor of a claimed inv	ention in the	application.	
I hereby acknowled fine or imprisonme	lge that any w nt of not more	riliful false stater e than five (5) ye	ment made in this declarationars, or both.	on is punishat	ele under 18 U.S.C. 1001 by	
Direct all		The address				
		associated with		OR	Correspondence address below	
Correspondence to		Customer Number:	147546		appriess neiow	
Name						
Address						
- entra						
City			itate	Zip		
Country		Telephone		Tr		

Telephone

P20170411

Email

## **Assignment of Patent Application:**

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the below-named inventor, hereby sell, assign and transfer to:

Katerra, Inc.

a Corporation of <u>Delaware</u>, having a principal place of business at <u>2494 Sand Hill Road</u>, <u>Bldg. 7</u>, <u>Suite 100</u>, <u>Menlo Park</u>, <u>California</u>, <u>94025</u>, <u>USA</u> ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the above-identified application and in and to said application and all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filled in the United States and all foreign countries on any of said inventions or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United states and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee is successors, assigns or representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the below named inventor(s).

Page 2 of 4
Prepared by Elliott, Ostrander & Preston, P.C.

#### WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available. Petitioner/applicant is advised that documents which form the record of a patent application (such as the PTO/58/01) are placed into the Privacy Act system of records DEPARTMENT OF COMMERCE, COMMERCE-PAT-7, System name: Patent Application Files. Documents not retained in an application file (such as the PTO-2038) are placed into the Privacy Act system of COMMERCE/PAT-TM-10, System name: Deposit Accounts and Electronic Funds Transfer Profiles.

Legal Name of Sole or First Inve						
(E.g., Given Name (first and mide	dle if any) and Family Nam	ie or Surname)				
Nicholas Brathwalte						
Inventor's Signature: Date 2/8/19						
Residence: City						
Danville	·California	US				
Mailing Address						
2494 Sand Hill Road, Bldg. 7, Suite 100						
City State Zip Country						
Menio Park	CA	94025	US			

Additional Inventors are being named on the 1 supplemental sheets attached hereto.

Page 3 of 4
Prepared by Elliott, Ostrander & Preston, P.C.

DECLADATI	ON AND A	CCICNINAENIT FOR	Lass	27550 617			
DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)			Attorney Docket Number First Named Inventor	37559.617	Γ Nicholos		
				BRATHWAIT			
	(			COMPLETE IF KNOWN			
☐ Declaration	or 🗵		Application Number	15/952,172			
Submitted with Initial		Submitted after Initial Filing (surcharge	Filing Date	April 12, 201	8		
Filing		(37 CFR 1.16(f))	Confirmation No.				
required)			Art Unit				
Title of Invention	Method	and Apparatus for Dyna	amic Electrical Load Sensing	and Line to Lo	oad Switching		
As a below name	d inventor	, I hereby declare that:					
	n is direct	ed to:					
☐ The attached a	application	1,					
OR							
☑ United States	Application	n Number or PCT Interi	national application number	15/952,172			
filed on. <u>April 12,</u>	20218						
The above-identif	fied applic	ation was made or autl	horized to be made by me.				
I believe I am the	original in	iventor or an original jo	oint inventor of a claimed in	vention in the	application.		
-	_	any willful false stater ot more than five (5) ye		on is punishal	ole under 18 U.S.C. 1001 by		
Direct all		The address			Correspondence		
Correspondence	to:	associated with Customer Number:	<u>147546</u>	OR	address below		
Name				,			
Address							
City			State	Zip			
Country		Telephone		 Email			

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agree that said Assignee may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee is successors, assigns or representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the below named inventor(s).

Page 2 of 4
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Legal Name of Sole or First Inventor:						
(E.g., Given Name (first and middle if	any) and Family Name or Su	rname)				
Nicholas Brathwaite						
Inventor's Signature:		Date				
Residence: City	State	Country				
Danville	California	US				
Mailing Address						
2494 Sand Hill Road, Bldg. 7, Suite 100						
City State Zip Country						
Menlo Park	CA	94025	US			

Additional Inventors are being named on the <u>1</u> supplemental sheets attached hereto.

Page 3 of 4
Prepared by Elliott, Ostrander & Preston, P.C.

Legal N	ame of Additional Joint Inventors, if any:						
2.	2. (E.g., Given Name (first and middle if any) and Family Name or Surname)						
	Jumie Yuventi						
	Inventor's Signature:		Date 02/08/2019				
	Residence: City	State	Country				
	Sacramento	CA	US				
	Mailing Address 2494 Sand Hill Road, Bldg. 7, Suite 100						
	City	State	Zip	Country			
	Menlo Park	CA	94025	US			
3.	(E.g., Given Name (first and middle if any) and Family Name or	r Surname)		•			
	Bahman Sharifipour						
	Inventor's Signature:		Date				
	Residence: City	State	Country				
	Newington	NH	US				
	Mailing Address						
	2494 Sand Hill Road, Bldg. 7, Suite 100						
	City	State	Zip	Country			
	Menlo Park	CA	94025	US			
4.	(E.g., Given Name (first and middle if any) and Family Name or Surname)						
	Mark Thomas		Γ_				
	Inventor's Signature:		Date				
	Residence: City	State	Country				
	Cupertino	CA	US				
	Mailing Address 2494 Sand Hill Road, Bldg. 7, Suite 100						
	City	State	Zip	Country			
	Menlo Park	CA	94025	US			
5.	(E.g., Given Name (first and middle if any) and Family Name or	r Surname)					
	Inventor's Signature:		Date				
	Residence: City	State	Country				
	Mailing Address						
	City	State	Zip	Country			

Page 4 of 4
Prepared by Elliott, Ostrander & Preston, P.C.

		***************************************	
DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION		Attorney Docket Number	37559.617
		First Named Inventor	BRATHWAITE, Nicholas
for crn	(37 CFR 1.63)		COMPLETE IF KNOWN
☐ Declaration OR ☑		Application Number	15/952,172
Submitted with Initial	Submitted after Initial Filing (surcharge	Filing Date	April 12, 2018
Filing	(37 CFR 1.16(f))	Confirmation No.	
required)		Art Unit	
Title of Method Invention	and Apparatus for Dyn	namic Electrical Load Sensing	and Line to Load Switching
As a below named inventor	r I herehy declare that		
★ This declaration is direct	, ,	Α.	
M Hills decignation is direct	ted to:		
☐ The attached application	a,		
OR			
☑ United States Applicatio	n Number or PCT Inter	rnational application number	15/952,172
filed on. <u>April 12, 20218</u>			
The above-identified applic	ation was made or aut	chorized to be made by me.	•
I believe I am the original ir	ventor or an original jo	oint inventor of a claimed inv	vention in the application.
I hereby acknowledge that fine or imprisonment of no			on is punishable under 18 U.S.C. 1001 by
Direct all	The address	·	Correspondence
Correspondence to:	associated with Customer Number:	147546	OR address below
Name	644444444444444444444444444444444444444		
Address			
City		State	Zip
Country	Telephone	·	Email

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agree that said Assignee may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee is successors, assigns or representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the below named inventor(s).

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Legal Name of Sole or First In	ventor:			***************************************		
(E.g., Given Name (first and m	iddle if any) and Family Nan	ne or Surname)				
Nicholas Brathwaite			,			
Inventor's Signature:		Date				
Residence: City	State	Country				
Danville	California	US				
Mailing Address						
2494 Sand Hill Road, Bldg. 7, S	2494 Sand Hill Road, Bldg. 7, Suite 100					
City	State	Zip	Country			
Menio Park	CA	94025	US			

Additional Inventors are being named on the 1 supplemental sheets attached hereto.

Page 3 of 4
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Legal	Name of Additional Joint Inventors, if any:		NAME AND ADDRESS OF THE PROPERTY OF THE PROPER	
2,	(E.g., Given Name (first and middle if any) and Family Name o	or Surname)	MAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	***************************************
	Jumie Yuventi			
	Inventor's Signature:	***************************************	Date	
		***************************************		
	Residence: City	State	Country	
	Sacramento	CA	US	
	Mailing Address			
·	2494 Sand Hill Road, Bldg. 7, Suite 100	Te		
	City	State	Zip	Country
	Menlo Park	CA	94025	US
3.	(E.g., Given Name (first and middle if any) and Family Name o	r Surname)		
	Bahman Sharifipour	*******************************	·	
	Inventor's Signature:		Date 02-06-2019	
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	Residence: City	State	Country	
***************************************	Newington C	NH	US	***************************************
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•	2494 Şand Hill Road, Bldg. 7, Şuite 100		T	T
	City	State	Zip	Country
4	Menlo Park	CA	94025	US
4.	(E.g., Given Name (first and middle if any) and Family Name o	r Surname)		
	Mark Thomas	······································		····
	Inventor's Signature:		Date	:
	Residence: City	State	Country	
	Cupertino	CA	US	
	Mailing Address		Haraba A	
	2494 Sand Hill Road, Bldg. 7, Suite 100		ę	
	City	State	Zip	Country
	Menlo Park	CA	94025	US
5.	(E.g., Given Name (first and middle if any) and Family Name o	r Surname)		
	Inventor's Signature:		Date	
	n 11 or			
	Residence: City	State	Country	
<del>-cogcaddalaanaadadd</del>	Mailing Address	<b>₩</b>	<del></del>	***************************************
	City	State.	Zip	Country

Page 4 of 4
Prepared by Elliott, Ostrander & Preston, P.C.

S XAPOX STORES AREAS AN IN IN	N AND ASSIGNMENT FOR	Attorney Docket Number	37559.617	
UTILITY OR DESIGN PATENT APPLICATION		First Named Inventor	BRATHWAITE, Nicholas	
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☐ Declaration	mitted Submitted after Initial 1 Initial Filing (surcharge 8 (37 CFR 1.16(f))	Application Number	15/952,172	
Submitted		Filing Date	April 12, 2018	
with Initial Filing		Confirmation No.		
required)		Art Unit		
Title of N Invention	Method and Apparatus for Dyn	amic Electrical Load Sensing	and Line to Load Switching	
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Telephone

Country

P20170411

Email

## **Assignment of Patent Application:**

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the below-named inventor, hereby sell, assign and transfer to:

Katerra, Inc.

a Corporation of <u>Delaware</u>, having a principal place of business at <u>2494 Sand Hill Road</u>, <u>Bldg. 7</u>, <u>Suite 100</u>, <u>Menlo Park</u>, <u>California</u>, <u>94025</u>, <u>USA</u> ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the above-identified application and in and to said application and all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United states and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee is successors, assigns or representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the below named inventor(s).

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Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available. Petitioner/applicant is advised that documents which form the record of a patent application (such as the PTO/SB/O1) are placed into the Privacy Act system of records DEPARTMENT OF COMMERCE, COMMERCE-PAT-7, System name: Patent Application Files. Documents not retained in an application file (such as the PTO-2038) are placed into the Privacy Act system of COMMERCE/PAT-TM-10, System name: Deposit Accounts and Electronic Funds Transfer Profiles.

Legal Name of Sole or First In	ventor:	***************************************	
(E.g., Given Name (first and m	iddle if any) and Family Nan	ne or Surname)	
Nicholas Brathwaite	에 전화되었다. 그런 그들은 바람이다. 요요		
inventor's Signature:		Date	
Residence: City	State	Country	
Danville	California		
Mailing Address 2494 Sand Hill Road, Bldg. 7, S	uite 100		
City	State	Zip	Country
Menio Park	CA	94025	us

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 $oxed{\boxtimes}$  Additional inventors are being named on the <u>1</u> supplemental sheets attached hereto.

2.	(E.g., Given Name (first and middle if any) and Family Name or Surname)				
	Jumie Yuventi				
	Inventor's Signature:		Date		
*******	Residence: City	State	Country		
	Sacramento	CA CA	US		
	Mailing Address 2494 Sand Hill Road, Bldg. 7, Suite 100				
	City City	State	Zip	Country	
	Menio Park	CA CA	94025	US	
	(E.g., Given Name (first and middle if any) a Bahman Sharifipour	nd Family Name or Surname)			
	Inventor's Signature:		Date		
	Residence: City	State	Country		
	Newington	NH	us		
	Mailing Address 2494 Sand Hill Road, Bldg. 7, Suite 100				
	City	State	Zip	Country	
	Menio Park	CA	94025	US	
	(E.g., Given Name (first and middle if any) as  Mark Thomas  Inventor's Signature:	nd Family Name or Surname)	Date   2-23	'- Zo19	
******	Residence: City	State	Country		
	Cupertino		US		
	Mailing Address 2494 Sand Hill Road, Bldg. 7, Suite 100				
	City	State	Zip	Country	
	Menio Park	CA	94025	US	
	(E.g., Given Name (first and middle if any) an	nd Family Name or Surname)			
******	inventor's Signature:		Date		
	Residence: City	State	Country		
•••••	Mailing Address				
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