# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7625299

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
POWEN RU	08/30/2022
DUNG NGUYEN	08/30/2022
ANDREW ZAMANSKY	08/30/2022

# **RECEIVING PARTY DATA**

Name:	NUVOTON TECHNOLOGY CORPORATION
Street Address:	NO. 4 CREATION RD. III, HSINCHU SCIENCE PARK
City:	HSINCHU
State/Country:	TAIWAN

# **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	17823521

#### **CORRESPONDENCE DATA**

Fax Number:

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.

Email: Isun@kilpatricktownsend.com

Correspondent Name: KILPATRICK TOWNSEND & STOCKTON LLP Address Line 1: 1100 PEACHTREE STREET, NE SUITE 2800

Address Line 4: ATLANTA, GEORGIA 30309

ATTORNEY DOCKET NUMBER:	092062-1339838-010000US
NAME OF SUBMITTER:	LILY SUN
SIGNATURE:	/Lily Sun/
DATE SIGNED:	11/03/2022

# **Total Attachments: 6**

source=092062-1339838 - Signed Assignment#page1.tif source=092062-1339838 - Signed Assignment#page2.tif source=092062-1339838 - Signed Assignment#page3.tif source=092062-1339838 - Signed Assignment#page4.tif source=092062-1339838 - Signed Assignment#page5.tif source=092062-1339838 - Signed Assignment#page6.tif

PATENT 507578409 REEL: 061638 FRAME: 0436

#### **ASSIGNMENT**

(Patent Application)

I, the undersigned, have invented certain inventions and improvements disclosed in a utility (provisional or non-provisional) or design patent application entitled

"SDELAY ESTIMATION USING FREQUENCY SPECTRAL DESCRIPTORS."

th	e specificat	ion of	which is	provided with	this	Assignment and	identified by	' the
Attorney	Docket	No.	above.	(Serial	No.	17/823,521	filed	or
2022-08	3-31		)					

For one dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which I acknowledge, I:

- 1. Agree to assign, transfer, convey, and sell, hereby assign, transfer, convey, and sell and have assigned, transferred, conveyed, and sold to **Nuvoton Technology Corporation**, a corporation of Taiwan having a principal place of business at No. 4 Creation Rd. III, Hsinchu Science Park, Hsinchu, Taiwan ("Assignee"), the entire right, title, and interest in and to:
  - (a) all intellectual property (including, without limitation, any innovation, information, invention, discovery, product, process, work or design) disclosed, embodied, shown, or claimed in the above-referenced patent application, implicitly or explicitly;
  - (b) the above-referenced patent application, the right to claim priority to the above-referenced patent application, all applications based in whole or in part upon the above-referenced patent application, including, without limitation, all applications that are a provisional, non-provisional, design, divisional, continuation, continuation-in-part, registration, utility model, industrial design, reissue, renewal, substitute, extension, reexamination, post-grant review, inter partes review, supplemental examination or non-U.S. patent application or application for other rights based in whole or in part on the above-referenced patent application;
  - (c) all patents (including, without limitation, all U.S. and non-U.S. patents, registrations, utility models, industrial designs, design patents, counterparts, continuations, continuations-in-part, divisionals, reissues, renewals, substitutes, extensions, reexaminations, post-grant reviews, inter partes reviews and supplemental examinations) that are granted or issued upon, or that claim priority to, any and all applications described in (b) of this paragraph or that disclose or claim intellectual property described in (a) of this paragraph, in whole or in part; and

- (d) all claims for damages by reason of past infringement of any rights under the applications or patents described in (a), (b) or (c) of this paragraph (including provisional rights to reasonable royalties pursuant to 35 U.S.C. §154(d)) and the right to sue for and collect such damages and royalties for Assignee's own use.
- 2. Authorize and request the U.S. Patent and Trademark Office or any other U.S. or non-U.S. agency to issue to the Assignee any and all patent(s), or other rights or documents, resulting from the intellectual property, patent application(s) and patents described in paragraph 1 of this Assignment.
- 3. Agree to sign all papers and documents, including without limitation, applications, declarations, oaths and petitions, and, at the Assignee's expense, perform any other acts that are necessary in connection with prosecution of patent application(s) or intellectual property described in paragraph 1 of this Assignment and the enforcement of patent(s) or other rights resulting from such patent application(s) or intellectual property.
- 4. Agree that the terms, covenants, and conditions of this Assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon me, as well as my heirs, legal representatives, and assigns.
- 5. Promise and affirm that I have not entered, and will not enter, into any assignment, contract, or understanding that conflicts with this Assignment.
- 6. Authorize Kilpatrick Townsend & Stockton to insert above the application number and filing date of the above-described patent application when known.

Signed on the dates indicated beside my signature.

Signature:		Date:	
	Powen Ru		
Signature:	Dung Nguyen	Date:	
Signature:	Andrew Zamansky	Date: 8/30/2020	

#### ASSIGNMENT

(Patent Application)

I, the undersigned, have invented certain inventions and improvements disclosed in a utility (provisional or non-provisional) or design patent application entitled

"DELAY ESTIMATION USING FREQUENCY SPECTRAL DESCRIPTORS,"

	the spe	ecification	of whi	ch is prov	ided with the	his Assi	gnment and iden	tified by
the	Attorney	Docket	No.	above.	(Serial	No.	17/823,521	filed
on	2022	2-08-31		_)	·			_
	For one	e dollar (\$	1.00) aı	nd other go	od and valu	able con	sideration, the rec	ceipt
and	sufficiency	y of which	I ackno	wledge, I:				

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  - (c) all patents (including, without limitation, all U.S. and non-U.S. patents, registrations, utility models, industrial designs, design patents, counterparts, continuations, continuations-in-part, divisionals, reissues, renewals, substitutes, extensions, reexaminations, post-grant reviews, inter partes reviews and supplemental examinations) that are granted or issued upon, or that claim priority to, any and all applications described in (b) of this paragraph or that disclose or claim intellectual property described in (a) of this paragraph, in whole or in part; and

- (d) all claims for damages by reason of past infringement of any rights under the applications or patents described in (a), (b) or (c) of this paragraph (including provisional rights to reasonable royalties pursuant to 35 U.S.C. §154(d)) and the right to sue for and collect such damages and royalties for Assignee's own use.
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Signed on the dates indicated beside my signature.

Signature:	e: Date:					
	Powen Ru					
Signature:	Dung Nguyen  Dung Nguyen	Date:08/30/2022				
Signature:	Andrew Zamansky	Date:				

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(Patent Application)

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the specification of which is provide Attorney Docket No. above. (Serial No.	ssignment and identified by the filed on	>
2022-08-31		
For one dollar (\$1.00) and other go and sufficiency of which I acknowledge, I	ole consideration, the receipt	

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  - (b) the above-referenced patent application, the right to claim priority to the above-referenced patent application, all applications based in whole or in part upon the above-referenced patent application, including, without limitation, all applications that are a provisional, non-provisional, design, divisional, continuation, continuation-in-part, registration, utility model, industrial design, reissue, renewal, substitute, extension, reexamination, post-grant review, inter partes review, supplemental examination or non-U.S. patent application or application for other rights based in whole or in part on the above-referenced patent application;
  - (c) all patents (including, without limitation, all U.S. and non-U.S. patents, registrations, utility models, industrial designs, design patents, counterparts, continuations, continuations-in-part, divisionals, reissues, renewals, substitutes, extensions, reexaminations, post-grant reviews, inter partes reviews and supplemental examinations) that are granted or issued upon, or that claim priority to, any and all applications described in (b) of this paragraph or that disclose or claim intellectual property described in (a) of this paragraph, in whole or in part; and

ASSIGNMENT DELAY ESTIMATION USING FREQUENCY SPECTRAL DESCRIPTORS Attorney Docket No. 092062-1339838-010000US Page 2 of 2

- (d) all claims for damages by reason of past infringement of any rights under the applications or patents described in (a), (b) or (c) of this paragraph (including provisional rights to reasonable royalties pursuant to 35 U.S.C. §154(d)) and the right to sue for and collect such damages and royalties for Assignee's own use.
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Signed on the dates indicated beside my signature.

Signature:	Ma	Date:	8/30/2022
	Powen Ru		
Signature:		Date:	
	Dung Nguyen	_	
Signature:		Date:	
	Andrew Zamansky		