

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT5362298

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
GEORGE M. CHURCH	09/25/2017
JEFFREY M. NIVALA	01/12/2018
MIRKO PALLA	09/22/2017
PETER BENJAMIN STRANGES	02/08/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	President and Fellows of Harvard College
<b>Street Address:</b>	17 Quincy Street
<b>City:</b>	Cambridge
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02138
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16094526
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(617)495-9568
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<b>ATTORNEY DOCKET NUMBER:</b>	6215
<b>NAME OF SUBMITTER:</b>	KAREN SINCLAIR
<b>SIGNATURE:</b>	/K.S./
<b>DATE SIGNED:</b>	02/06/2019
<b>Total Attachments: 12</b>	
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## **ASSIGNMENT / DECLARATION**

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the undersigned:

**George M. Church, Jeffrey M. Nivala, Mirko Falla and Peter Benjamin Stranges**

(each hereafter "Assignor") hereby assign, sell, and transfer to:

**President and Fellows of Harvard College**  
17 Quincy Street  
Cambridge, MA 02138

(hereafter "Assignee") its successors and assigns, Assignor's entire right, title, and interest throughout the world in and to any and all inventions and designs for:

### **METHOD AND SYSTEM OF NANOPORE-BASED INFORMATION ENCODING**

described in **International Application No. PCT/US17/28272**, filed **April 19, 2017**, and in and to the aforesaid application, in any form or embodiment thereof, and in and to any application on any of the inventions and designs filed in this and any foreign country, based thereon, including the right to file said applications, apply for patent rights, and claim priority under the provisions of any international convention or treaty; also the entire right, title, and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon any of the inventions and designs and any divisional, continuation, or substitute applications which may be filed upon said invention and design or inventions and designs in this or any foreign country; and the right to sue in its own name and recover damages for past infringement of any United States Letters Patent and foreign patent, including a reasonable royalty relating to provisional rights under 35 U.S.C. § 154(d) that have attached to any published United States patent application, on the inventions and designs; and authorize and request the issuing authority to issue any and all patents on said application or applications to said Assignee or its successors and assigns.

For purposes of complying with foreign requirements, the above paragraph is intended to expressly grant all the recited rights and grants in China, Korea, and Japan.

Assignor hereby warrants that he/she has full right to convey his/her entire right, title and interest, both legal and equitable, in and to said inventions and designs, free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and

Assignor further agrees, without further payment or compensation by said Assignee, or its successors and assigns, to communicate to said Assignee, its representatives or agents, or its successors and assigns, any facts relating to said invention and design or inventions and designs including evidence for interference purposes or for other legal proceedings, whenever requested; testify in any interference or other legal proceedings whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignee, its representatives or agents, or its successors or assigns to secure, obtain, and enforce proper patent protection for said invention and design or inventions and designs in this and any foreign country.

Assignor authorizes Assignee or Assignee's representative to supply and/or to correct any errors in the patent/application information provided above including, but not limited to, said application serial number and filing date, prior to or after recordation.

Assignor appoints Assignee, through its designee, as its attorney-in-fact to execute, in Assignor's name and on Assignor's behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

The above-identified application was made or authorized to be made by me. I believe I am the original inventor or an original joint inventor of a claimed invention and design in the application.

I have reviewed and understand the contents of the above-identified application, including the claims. I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56.

All statements made herein of my own knowledge are true, and all statements made herein on information and belief are believed to be true. I hereby acknowledge that any willful false statement and the like made in this declaration is punishable by fine or imprisonment of not more than five (5) years, or both, under 18 U.S.C. § 1001, and may jeopardize the validity of the application or any patent issuing thereon.

Patent Assignment  
HU Case No.: HU 6215  
Appln. No.: PCT/US17/28272

09/25/17  
Date

  
Inventor: George M. Church

Address: George Church  
Citizenship: 218 Kent Street  
Brookline MA 02446  
Citizenship: USA

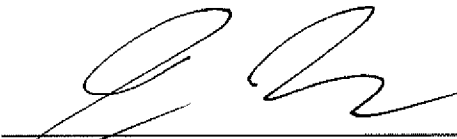
Witness:  
09/25/17  
Date

  
Signature

Name: Emma Taddeo  
Address: 91 Granville Avenue  
Malden MA 02148

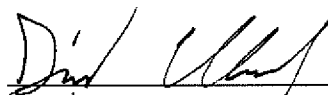
Patent Assignment  
HU Case No.: HU 6215  
Appln. No.: PCT/US17/28272

1-12-18  
Date

  
Inventor: Jeffrey M. Nivala  
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Witness:

1-12-18  
Date

  
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Seattle, WA 98195

Patent Assignment  
HU Case No.: HU 6215  
Appln. No.: PCT/US17/28272

9/22/2017  
Date

Mirko Palla  
Inventor: Mirko Palla  
Address: 35 CLOVERDALE RD; Apt 2, NEWTON, MA  
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Witness:

9/22/2017  
Date

Ema Taddeo  
Signature

Name: EMMA TADDEO

Address: 91 Granville hse  
Walden MA 02148

Patent Assignment  
HU Case No.: HU 6215  
Appln. No.: PCT/US17/28272

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Date

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Inventor: **Peter Benjamin Stranges**  
Address:  
Citizenship:

Witness:

\_\_\_\_\_  
Date

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Signature

Name: \_\_\_\_\_

Address: \_\_\_\_\_

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Assignor further agrees, without further payment or compensation by said Assignee, or its successors and assigns, to communicate to said Assignee, its representatives or agents, or its successors and assigns, any facts relating to said invention and design or inventions and designs including evidence for interference purposes or for other legal proceedings, whenever requested; testify in any interference or other legal proceedings whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignee, its representatives or agents, or its successors or assigns to secure, obtain, and enforce proper patent protection for said invention and design or inventions and designs in this and any foreign country.

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Patent Assignment  
HU Case No.: HU 6215  
Appln. No.: PCT/US17/28272

\_\_\_\_\_  
Date

\_\_\_\_\_  
Inventor: **George M. Church**

Address:

Citizenship:

Witness:

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Date

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Signature

Name: \_\_\_\_\_

Address: \_\_\_\_\_  
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Patent Assignment  
HU Case No.: HU 6215  
Appln. No.: PCT/US17/28272

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Date

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Inventor: **Jeffrey M. Nivala**  
Address:  
Citizenship:

Witness:

\_\_\_\_\_  
Date

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Signature

Name: \_\_\_\_\_

Address: \_\_\_\_\_

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\_\_\_\_\_  
Date

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Inventor: **Mirko Palla**  
Address:  
Citizenship:

Witness:

\_\_\_\_\_  
Date

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Signature

Name: \_\_\_\_\_

Address: \_\_\_\_\_


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Patent Assignment  
HU Case No.: HU 6215  
Appln. No.: PCT/US17/28272

2/8/2018  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Inventor: Peter Benjamin Stranges  
Address:  
Citizenship:

Witness:  
2/8/2018  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Signature  
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