

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
NEIL GERSHENFELD	02/25/2021
SAMUEL CALISCH	03/01/2021
RECEIVING PARTY DATA	
Name:	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Street Address:	77 MASSACHUSETTS AVENUE
City:	CAMBRIDGE
State/Country:	MASSACHUSETTS
Postal Code:	02139
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16178643
CORRESPONDENCE DATA	
Fax Number:	
<i>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.</i>	
Phone:	3125519500
Email:	rpg@fg-law.com
Correspondent Name:	ROBERT GREENSPOON
Address Line 1:	333 N. MICHIGAN AVENUE, SUITE 2700
Address Line 2:	FLACHSBART & GREENSPOON, LLC
Address Line 4:	CHICAGO, IL, ILLINOIS 60601
ATTORNEY DOCKET NUMBER:	MIT-14N
NAME OF SUBMITTER:	ROBERT GREENSPOON
SIGNATURE:	/Robert Greenspoon/
DATE SIGNED:	03/01/2021
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 3	
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DECLARATION AND ASSIGNMENT OF PATENT APPLICATION

INVENTORS' DECLARATION

As a below named inventor, I hereby submit this combined Declaration and Assignment of Patent Application. I hereby declare as follows. I hereby state that an address where I regularly receive mail is at The MIT Center for Bits and Atoms, Room E15-401, 20 Ames Street, Cambridge, MA 02139. My residence (city and state) is as listed in the signature block. This declaration is directed to United States Application No. **16/178,643**, filed on **November 2, 2018**, entitled, "**Differential magnetic load cells for compact low-hysteresis force and torque measurements**" (the "Application"). The above-identified Application was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that a "person may not execute an oath or declaration unless the person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to be material to patentability as defined in § 1.56," and state that I have complied with these requirements.

I hereby acknowledge that any willful false statement made in this Declaration is punishable by fine or imprisonment of not more than five (5) years, or both.

ASSIGNMENT

WHEREAS we, Samuel Calisch and Neil Gershenfeld:

own rights as an inventor or co-inventor the invention described and claimed in the Application, said Application being already on file.

WHEREAS, **Massachusetts Institute of Technology**, having a place of business at 77 Massachusetts Avenue, Cambridge, Massachusetts 02139 and who, together with its successors and assigns ("**Assignee**"), is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited.

NOW, THEREFORE, for valuable consideration furnished by **Assignee** to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservations:

1. Assign, transfer, and convey to **Assignee** the entire right, title, and interest in and to the Application, the inventions and discoveries described in the Application, any and all other applications for Patents on said inventions and discoveries in other countries, including all divisional, renewal, substitute, continuation, continuation-in-part and Convention applications based in whole or in part upon said inventions or discoveries and any and all Patents, reissues, and extensions of Patents granted for said inventions and discoveries, and every priority right that is or may be predicated upon or arise from said inventions and discoveries, from the Application.

2. Authorize **Assignee** to file patent applications in any or all countries for any or all said inventions and discoveries from the Application in our name or in the name of **Assignee** or otherwise as **Assignee** may deem advisable, under the International Convention or otherwise.

3. Authorize and request the Commissioner for Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all rights in the Application and Patents issuing therefrom to **Assignee**, as assignee of the entire right, title, and interest therein or otherwise as **Assignee** may direct.

4. Warrant that we have not knowingly conveyed to others any right in said inventions and discoveries or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to **Assignee** without encumbrance.

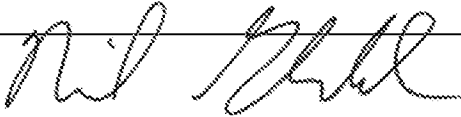
5. Bind our heirs, legal representatives, and assigns, as well as ourselves, to do, upon **Assignee's** request and at **Assignee's** expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by **Assignee** as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver the **Assignee** all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by **Assignee**; to communicate to **Assignee** all facts known to us relating to said inventions and discoveries or the history thereof; to furnish **Assignee** with any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of our heirs, legal representatives, or assigns which may be useful or establishing the facts of our conception, disclosures, and reduction to practice of said inventions and discoveries; and to testify to the same in any interference, other litigation, or proceeding related hereto.

6. The assignment expressly includes the conveyance to **Assignee** of the right to bring suit for and to collect damages for any infringement of a patent issuing from the Application, and for a reasonable royalty for any use of 35 USC § 154(d) provisional rights, and for any other cause of action arising from **Assignee's** ownership of a patent issuing from the Application including any violation by others of any federal or state tort or antitrust or unfair competition laws, and in and to any and all reissues, reexaminations and extensions of a Patent from the Application, these rights to be held and enjoyed by **Assignee**, for its own use and benefit and the use or benefit of its successors and assigns, to the end of the full term of the Patent from the Application, as fully and entirely as the same would have been held and enjoyed by us, had this sale and assignment not been made.

LEGAL NAME OF INVENTOR

Inventor: Neil Gershenfeld, Cambridge, MA

Date: 2/25/21

Signature: 

Inventor: Samuel Calisch, Cambridge, MA

Date: 3/1/21

Signature: 
