PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| REBECCA KLEINBERGER | 07/30/2020 |
| GEORGE STEFANAKIS | 07/30/2020 |
| AKITO VAN TROYER | 07/30/2020 |
| SATRAJIT GHOSH | 07/30/2020 |
| JANET BAKER | 07/30/2020 |
| TOD MACHOVER | 07/30/2020 |

RECEIVING PARTY DATA

| Name: | Massachusetts Institute of Technology |
|-----------------|---------------------------------------|
| Street Address: | 77 Massachusetts Ave. |
| City: | Cambridge |
| State/Country: | MASSACHUSETTS |
| Postal Code: | 02139 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16983974 |

CORRESPONDENCE DATA

Fax Number: (847)433-8117

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: 224-436-9787

Email: stephen.otis@gmail.com OTIS PATENT LAW **Correspondent Name:** 1181 WADE STREET Address Line 1:

Address Line 4: HIGHLAND PARK, ILLINOIS 60035

| ATTORNEY DOCKET NUMBER: | MIT_21712JT_NP |
|-------------------------|----------------------------|
| NAME OF SUBMITTER: | STEPHEN OTIS REG # 64226 |
| SIGNATURE: | /Stephen Otis Reg # 64226/ |
| DATE SIGNED: | 08/03/2020 |
| | |

Total Attachments: 7

PATENT REEL: 053388 FRAME: 0453

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PATENT REEL: 053388 FRAME: 0454

ASSIGNMENT OF PATENT APPLICATION

FOR GOOD AND VALUABLE CONSIDERATION,

We, the undersigned (each) have agreed and hereby agree to assign for good and valuable consideration, receipt of which is hereby expressly acknowledged, and do hereby sell, assign and transfer unto

Massachusetts Institute of Technology

a corporation organized under the laws of the state of Massachusetts as Assignee, and its successors, assigns and legal representatives, our entire right, title and interest, for all countries in and to certain inventions relating to

Methods and Apparatus for Reducing Stuttering

described in an application for Letters Patent of the United States, filed on August 3, 2020 as Application Serial No. 16/983,974, and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part, divisionals, and renewals of and substitutes for said application for said Letters Patent, and all the rights and privileges under any and all Letters Patent that may be granted therefor in any country, and any reissues, or reexaminations, or extensions of said Letters Patent. We request that any and all Letters Patent for said inventions be issued to said Assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will, without charge to said Assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said Assignee, its successors, assigns and legal representatives or nominees.

We authorize and empower the said Assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said Assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International convention which may henceforth be substituted for it.

We hereby authorize Stephen Otis, attorney for Assignee, to insert the filing date and Serial number into this assignment, after the application for Letters Patent has been filed, and the U.S. Patent Office has assigned such application a Serial Number.

We covenant with said Assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, that we have not assigned any interest in the inventions described above to any person or entity other than Assignee, and that we have full right to convey the same as herein expressed.

Page 1 of 3

| Redengen | 07/30/2020 |
|--------------------------------------|------------|
| Inventor's Signature | DATE |
| Rebecca Kleinberger | <u></u> |
| Inventor's Printed Name | |
| Inventor's Signature | DATE |
| George Stefanakis | <u> </u> |
| Inventor's Printed Name | |
| Inventor's Signature | DATE |
| Akito van Troyer | <u></u> |
| Inventor's Printed Name | |
| Inventor's Signature | DATE |
| Satrajit Ghosh | |
| Inventor's Printed Name | |
| Inventor's Signature | DATE |
| Janet Baker | Dill |
| Inventor's Printed Name | |
| Inventor's Signature | DATE |
| Tod Machover Inventor's Printed Name | <u> </u> |

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| Inventor's Signature | DATE |
| Rebecca Kleinberger | <u></u> |
| Inventor's Printed Name | |
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| George Stefandix | 07/30/2020 |
| Inventor's Signature | DATE |
| George Stefanakis | |
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| Akito van Troyer | <u> </u> |
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| Satrajit Ghosh | DITL |
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| Inventor's Signature | DATE |
| Janet Baker | <u> </u> |
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| Tod Machover | |
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| Inventor's Signature | DATE |
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| Rebecca Kleinberger | |
| Inventor's Printed Name | |
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| Inventor's Signature | DATE |
| George Stefanakis | |
| Inventor's Printed Name | |
| Muun | 7/30/2020 |
| Inventor's Signature | DATE |
| Akito van Troyer | 2.112 |
| Inventor's Printed Name | _ |
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| Inventor's Signature | DATE |
| Satrajit Ghosh | |
| Inventor's Printed Name | |
| Inventor's Signature | DATE |
| Janet Baker | |
| Inventor's Printed Name | |
| Inventor's Signature Tod Machover | DATE |
| Inventor's Printed Name | |

We acknowledge that (a) Assigned is agreeing to cause to be filed, by August 12, 2020, a United States are recovered units, patent application regarding an investion described arrange and its dual and agreement by Assigned constitutes sufficient consideration for this Assignment (nationally) the above assignment, sale, and transfer by its and our obligations and coverants bereunder).

IN WITNESS WHEREOF, we have hereunto signed our names on the day and year set forth below

| Inventor's Signature Rebecca Kleinberger Inventor's Printed Name | DATE | |
|--|--------------------|--|
| Biversion's Signature George Stefanskis Inventor's Printed Name | DATE | |
| Inventor's Seminare Aksto van Trover Inventor's Printed Name | DATE | |
| Inversion's Signature Satroit Ghosh Inventor's Printed Name | 67/30/2020 DATE | |
| Inventor's Signature Inventor's Printed Name | 7/30/20 DATE | |
| nventor's Signature ad Machover oventor's Printed Name | DATE | |

PATENT REEL: 053388 FRAME: 0459

| Inventor's Signature | DATE |
|--|---------------|
| Rebecca Kleinberger | _ |
| Inventor's Printed Name | |
| | |
| Inventor's Signature | DATE |
| George Stefanakis | _ |
| Inventor's Printed Name | |
| | |
| Inventor's Signature | DATE |
| Akito van Troyer Inventor's Printed Name | - |
| inventor of finited famile | |
| Inventor's Signature | - DATE |
| Satrajit Ghosh | DITTE |
| Inventor's Printed Name | |
| | |
| Inventor's Signature | DATE |
| Janet Baker | _ |
| Inventor's Printed Name | |
| Alza | July 30, 2020 |
| Inventor's Signature | DATE |
| Tod Machover | <u>-</u> |
| Inventor's Printed Name | |

In consideration of the aforesaid Assignment, the Assignee, Massachusetts Institute of Technology, hereby agrees to cause to be filed, at Assignee's expense, by August 12, 2020, a United States non-provisional utility patent application on an invention described above.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

| By:/Jonathan Hromi/ | Date: July 30, 2020 |
|--|---------------------|
| (Signature) | |
| Name: Jonathan Hromi | _ |
| Title: MIT Intellectual Property Officer | |