

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, **VL52, INC.**, a Delaware corporation having a place of business at 55 Cambridge Parkway, 8th floor, Cambridge, Massachusetts 02142 ("ASSIGNOR"), has sold, assigned, and transferred and does hereby sell, assign, and transfer to **FLAGSHIP PIONEERING, INC.**, a Delaware corporation having a place of business at 55 Cambridge Parkway, 8th floor, Cambridge, Massachusetts 02142 ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in all inventions ("SUBJECT MATTER") that are disclosed in the provisional or non-provisional applications filed under 35 U.S.C. § 111 and international applications filed according to the Patent Cooperation Treaty (PCT) and listed in Appendix A ("APPLICATION").
2. The entire worldwide right, title, and interest in and to any and all inventions described in: (a) the APPLICATION; (b) any application that is based in whole or in part on the APPLICATION, including any divisional, continuing, substitute, renewal, reissue, reexamination and other applications, for example applications that claim priority to the APPLICATION, that have been or may be filed in the United States or elsewhere in the world; (c) all patents (including reissues and re-examinations) that may be granted on the applications set forth in (a) and (b) above; and
3. The right to claim priority to the APPLICATION and in any underlying provisional or foreign application and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes, together with all rights to recover damages for infringement of provisional rights.

ASSIGNOR hereby agrees that said ASSIGNEE may apply for and receive a patent for said any and all SUBJECT MATTER in its own name in the United States or anywhere in the world issued in said ASSIGNEE's name. ASSIGNOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. ASSIGNOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

ASSIGNOR represents that ASSIGNOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the ASSIGNOR has not made and will not

Docket No.: 51296-033WO2
Client Reference: VL52012-02
Assignment- Page 2 of 4

hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

ASSIGNOR grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or other authority for recordation of this document.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

Duly Authorized Representative of ASSIGNEE

12/09/2019

Date

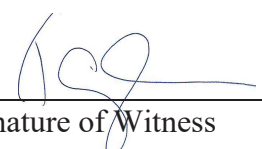
DocuSigned by:

CD6D8077270E4ED...
FLAGSHIP PIONEERING, INC.

Charles Carelli
Printed Name of Signor

Chief Financial Officer
Title/Authority of Signor

Witnessed by:


Signature of Witness

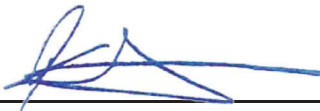
12-9-2019
Date

Tammy Beckwith
Print Witness Name

Docket No.: 51296-033WO2
Client Reference: VL52012-02
Assignment- Page 3 of 4

Duly Authorized Representative of ASSIGNOR

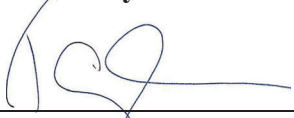
12-9-2019
Date


VL52, INC.

Ken Mace
Printed Name of Signor

Secretary
Title/Authority of Signor

Witnessed by:


Signature of Witness

12-9-2019
Date

Tammy Beckwith
Print Witness Name

Docket No.: 51296-033WO2
Client Reference: VL52012-02
Assignment- Page 4 of 4

APPENDIX A

ATTORNEY DOCKET NO.	TITLE	DATE FILED	APPLICATION NUMBER
51296-033WO2	ACHROMOSOMAL DYNAMIC ACTIVE SYSTEMS	12/10/2019	PCT/US2019/065562

¹

¹ I appoint, authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting in the spaces provided above the filing date and serial number of said application when known.