

Application No.: 63/154,821
Filing Date: 01 March 2021

Docket Number: PF103 PRV
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ASSIGNMENT

WHEREAS, **S. Laura Chang**, residing at Verona, WI, **Lori J. Pierce**, residing at Ann Arbor, Michigan, **Corey Speers**, residing at Dexter, Michigan, **Felix Feng**, residing at Hillsborough, California, (individual(s) hereinafter "ASSIGNOR"), invented certain new and useful improvements, technology, inventions, developments, ideas, ornamental design or discoveries related to **METHODS AND GENOMIC CLASSIFIERS FOR PROGNOSIS OF BREAST CANCER AND IDENTIFYING SUBJECTS NOT LIKELY TO BENEFIT FROM RADIOTHERAPY** (collectively hereinafter referred to as the "Work") for which a provisional patent application was filed in the United States, identified by the application number and filing date noted above (the "Application"), and ASSIGNOR desires to assign or confirm assignment of the Work and the Application to the below identified assignee.

AND WHEREAS, **PFS Genomics, Inc.**, a **Canadian** Corporation, having a registered address at **2500 Park Place, 666 Burrard Street, Vancouver, B.C., V6C 2X8, Canada** (hereinafter the "ASSIGNEE"), desires to acquire or confirm ownership of the entire right, title, and interest in and to the Application and the Work.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred, and set over, and by these presents does hereby sell, assign, transfer, and set over, unto said ASSIGNEE, its successors, legal representatives, and assigns, the entire right, title, and interest throughout the world in and to the Application and the Work, including: all provisional applications relating to the Work and the Application (including but not limited to U.S. Provisional Application No. **63/154,821**, filed **01 March 2021** (respectively if plural applications)); all nonprovisional applications claiming priority to aforementioned provisional(s) and/or the Application, including, all divisions, continuations, continuations-in-part, and reissues thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues, and extensions thereof; all rights of priority under International Conventions and any related Letters Patent which may hereafter be granted or filed in any country or countries foreign to the United States, all extensions, renewals, and reissues thereof; and ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all related Letters Patent to the ASSIGNEE, its successors, legal representatives, and assigns.

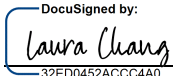
AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will: communicate to said ASSIGNEE, its successors, legal representatives, and assigns any facts known to ASSIGNOR respecting the Work; testify in any legal proceeding; assist in the preparation of any other provisional or non-provisional applications relating to the Application and the Work or any improvements made thereto; sign/execute all lawful papers; authorize the filing of, execute, and make all rightful oaths and/or declarations in connection with the Application and the Work including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications; and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper patent protection for the Work in all countries.

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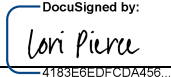
Legal Name of inventor: S. Laura Chang

Inventor Signature:  _____ Date: 4/7/2021 _____
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Legal Name of inventor: Lori J. Pierce

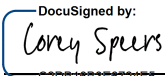
Inventor Signature:  Date: 4/9/2021

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Legal Name of inventor: Corey Speers

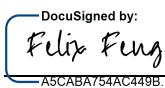
Inventor Signature:  Date: 4/7/2021

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Legal Name of inventor: Felix Feng

Inventor Signature:  _____ Date: 4/8/2021 _____
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ASSIGNMENT

WHEREAS, **Per Malmström**, residing at Skanör, Sweden, **Per O. Karlsson**, residing at Gothenburg, Sweden, **Mårten Fernö**, residing at Limhamn, Sweden, **Erik Holmberg**, residing at Asperö, Sweden, (individual(s) hereinafter "ASSIGNOR"), invented certain new and useful improvements, technology, inventions, developments, ideas, ornamental design or discoveries related to **METHODS AND GENOMIC CLASSIFIERS FOR PROGNOSIS OF BREAST CANCER AND IDENTIFYING SUBJECTS NOT LIKELY TO BENEFIT FROM RADIOTHERAPY** (collectively hereinafter referred to as the "Work") for which a provisional patent application was filed in the United States, identified by the application number and filing date noted above (the "Application"), and ASSIGNOR desires to assign or confirm assignment of the Work and the Application to the below identified assignee.

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NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred, and set over, and by these presents does hereby sell, assign, transfer, and set over, unto said ASSIGNEE, its successors, legal representatives, and assigns, the entire right, title, and interest throughout the world in and to the Application and the Work, including: all provisional applications relating to the Work and the Application (including but not limited to U.S. Provisional Application No. **63/154,821**, filed **01 March 2021** (respectively if plural applications)); all nonprovisional applications claiming priority to aforementioned provisional(s) and/or the Application, including, all divisions, continuations, continuations-in-part, and reissues thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues, and extensions thereof; all rights of priority under International Conventions and any related Letters Patent which may hereafter be granted or filed in any country or countries foreign to the United States, all extensions, renewals, and reissues thereof; and ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all related Letters Patent to the ASSIGNEE, its successors, legal representatives, and assigns.

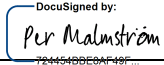
AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will: communicate to said ASSIGNEE, its successors, legal representatives, and assigns any facts known to ASSIGNOR respecting the Work; testify in any legal proceeding; assist in the preparation of any other provisional or non-provisional applications relating to the Application and the Work or any improvements made thereto; sign/execute all lawful papers; authorize the filing of, execute, and make all rightful oaths and/or declarations in connection with the Application and the Work including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications; and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper patent protection for the Work in all countries.

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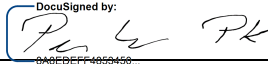
Legal Name of inventor: Per Malmström

Inventor Signature:  Date: 4/11/2021

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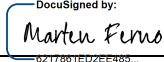
Legal Name of inventor: Per O. Karlsson

Inventor Signature:  DocuSigned by:
8A8EDEFF4059459 Date: 4/9/2021

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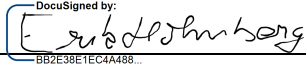
Legal Name of inventor: Mårten Fernö

Inventor Signature:  Date: 4/9/2021

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Legal Name of inventor: Erik Holmberg

Inventor Signature:  Date: 4/9/2021