

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4906622

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JOSHUA P. SWITKES	03/23/2018
STEPHEN M. ERLIEN	03/23/2018
LORENZ LAUBINGER	03/29/2018
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City:	MOUNTAIN VIEW
State/Country:	CALIFORNIA
Postal Code:	94043
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Property Type	Number
Application Number:	15926805
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NAME OF SUBMITTER:	STEVE D BEYER
SIGNATURE:	/Steve D Beyer/
DATE SIGNED:	04/09/2018
Total Attachments: 12	
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ASSIGNMENT

WHEREAS, I, **Joshua P. Switkes**, of **Mountain View, California**, am an inventor or one of the co-inventors of the inventions as set forth in the one or more Provisional Patent Applications for Letters Patent in the United States Patent and Trademark Office listed in Table A below;
and am an inventor or one of the co-inventors of the inventions as set forth in the one or more Nonprovisional Patent Applications for Letters Patent in the United States Patent and Trademark Office listed in Table B below;
and am an inventor or one of the co-inventors of the inventions as set forth in the one or more Applications made under the Patent Cooperation Treaty (PCT) listed in Table C below;

Table A: U.S. Provisional Patent Applications in which **Joshua P. Switkes** is an inventor or co-inventor.

TITLE	Docket #	Application #	Filing Date
INDICATOR FOR VEHICLES	PEL1P008P	62/621,113	2018-01-24
SYSTEM AND METHOD FOR IMPLEMENTING PRE-COGNITION BRAKING AND/OR AVOIDING OR MITIGATION RISKS AMONG PLATOONING VEHICLES	PEL1P006P	62/638,794	2018-03-05
GAP SETTING AND CONTROL FOR AUTOMATED DRIVING	PEL1P009P	62/639,297	2018-03-06

Table B: U.S. Nonprovisional Applications in which **Joshua P. Switkes** is an inventor or co-inventor.

TITLE	Docket #	Application #	Filing Date
APPLICATIONS FOR USING MASS ESTIMATIONS FOR VEHICLES	PEL1P007A	15/908,677	2018-02-28
APPLICATIONS FOR USING MASS ESTIMATIONS FOR VEHICLES	PEL1P007B	15/908,745	2018-02-28
SYSTEM AND METHOD FOR IMPLEMENTING PRE-COGNITION BRAKING AND/OR AVOIDING OR MITIGATION RISKS AMONG PLATOONING VEHICLES	PEL1P006C	15/926,805	2018-03-20
SYSTEM AND METHOD FOR IMPLEMENTING PRE-COGNITION BRAKING AND/OR AVOIDING OR MITIGATION RISKS AMONG PLATOONING VEHICLES	PEL1P006A	15/926,809	2018-03-20
SYSTEM AND METHOD FOR IMPLEMENTING PRE-COGNITION BRAKING AND/OR AVOIDING OR MITIGATION RISKS AMONG PLATOONING VEHICLES	PEL1P006B	15/926,813	2018-03-20

Table C: PCT Applications in which **Joshua P. Switkes**
is an inventor or co-inventor.

TITLE	Docket #	Application #	Filing Date
APPLICATIONS FOR USING MASS ESTIMATIONS FOR VEHICLES	PEL1P007WO	PCT/US2018/020315	2018-02-28
SYSTEM AND METHOD FOR IMPLEMENTING PRE-COGNITION BRAKING AND/OR AVOIDING OR MITIGATION RISKS AMONG PLATOONING VEHICLES	PEL1P006WO	PCT/US2018/023723	2018-03-22

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

- 1) Sell, assign and transfer to **Peloton Technology, Inc.**, a Delaware corporation having a place of business at 1060 La Avenida Street, Mountain View, CA 94043 ("ASSIGNEE"), the entire right, title and interest in any and all improvements and inventions disclosed in, applications based upon, and patents granted upon (including foreign patents and the right to claim priority), the above-referenced applications.
- 2) Authorize and request the Commissioner of Patents to issue any and all United States Patents resulting from said applications or any division, continuation, substitute, renewal, re-examination or reissue thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said applications, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon the inventor, as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I have not entered and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date indicated below my signature.

JP Switkes

Inventor/Assignor Signature

Joshua P. Switkes

Inventor/Assignor Typed Name

March 23, 2018

Date

ACKNOWLEDGEMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California }

County of Santa Clara }

On 3-23-2018 before me, Husam Y. Hammad
(insert name and title of the officer)

personally appeared Joshua Philip Switkes,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the
person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

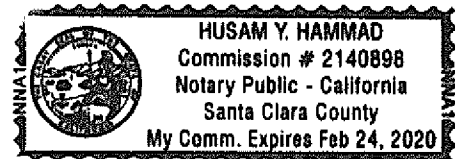
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing
paragraph is true and correct.

WITNESS my hand and official seal.

Husam Y. Hammad

Signature

(Seal)



For Peloton Technology, Inc. (Assignee):



Assignee Representative (Signature)

Joshua P. Switkes

Assignee Representative (Typed or Written)

CEO

Assignee Representative Title

March 23, 2018

Date

ASSIGNMENT

WHEREAS, I, **Stephen M. Erlien**, of **Mountain View, California**, am an inventor or one of the co-inventors of the inventions as set forth in the one or more Provisional Patent Applications for Letters Patent in the United States Patent and Trademark Office listed in Table A below;
and am an inventor or one of the co-inventors of the inventions as set forth in the one or more Nonprovisional Patent Applications for Letters Patent in the United States Patent and Trademark Office listed in Table B below;
and am an inventor or one of the co-inventors of the inventions as set forth in the one or more Applications made under the Patent Cooperation Treaty (PCT) listed in Table C below;

Table A: U.S. Provisional Patent Applications in which **Stephen M. Erlien** is an inventor or co-inventor.

TITLE	Docket #	Application #	Filing Date
SYSTEM AND METHOD FOR IMPLEMENTING PRE-COGNITION BRAKING AND/OR AVOIDING OR MITIGATION RISKS AMONG PLATOONING VEHICLES	PEL1P006P	62/638,794	2018-03-05
GAP SETTING AND CONTROL FOR AUTOMATED DRIVING	PEL1P009P	62/639,297	2018-03-06

Table B: U.S. Nonprovisional Applications in which **Stephen M. Erlien** is an inventor or co-inventor.

TITLE	Docket #	Application #	Filing Date
APPLICATIONS FOR USING MASS ESTIMATIONS FOR VEHICLES	PEL1P007A	15/908,677	2018-02-28
APPLICATIONS FOR USING MASS ESTIMATIONS FOR VEHICLES	PEL1P007B	15/908,745	2018-02-28
SYSTEM AND METHOD FOR IMPLEMENTING PRE-COGNITION BRAKING AND/OR AVOIDING OR MITIGATION RISKS AMONG PLATOONING VEHICLES	PEL1P006C	15/926,805	2018-03-20
SYSTEM AND METHOD FOR IMPLEMENTING PRE-COGNITION BRAKING AND/OR AVOIDING OR MITIGATION RISKS AMONG PLATOONING VEHICLES	PEL1P006A	15/926,809	2018-03-20
SYSTEM AND METHOD FOR IMPLEMENTING PRE-COGNITION BRAKING AND/OR AVOIDING OR MITIGATION RISKS AMONG PLATOONING VEHICLES	PEL1P006B	15/926,813	2018-03-20

Table C: PCT Applications in which **Stephen M. Erlien** is an inventor or co-inventor.

TITLE	Docket #	Application #	Filing Date
APPLICATIONS FOR USING MASS ESTIMATIONS FOR VEHICLES	PEL1P007WO	PCT/US2018/020315	2018-02-28
SYSTEM AND METHOD FOR IMPLEMENTING PRE-COGNITION BRAKING AND/OR AVOIDING OR MITIGATION RISKS AMONG PLATOONING VEHICLES	PEL1P006WO	PCT/US2018/023723	2018-03-22

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

- 1) Sell, assign and transfer to **Peloton Technology, Inc.**, a Delaware corporation having a place of business at 1060 La Avenida Street, Mountain View, CA 94043 ("ASSIGNEE"), the entire right, title and interest in any and all improvements and inventions disclosed in, applications based upon, and patents granted upon (including foreign patents and the right to claim priority), the above-referenced applications.
- 2) Authorize and request the Commissioner of Patents to issue any and all United States Patents resulting from said applications or any division, continuation, substitute, renewal, re-examination or reissue thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said applications, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon the inventor, as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I have not entered and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date indicated below my signature.


Inventor/Assignor Signature

Stephen M. Erlien
Inventor/Assignor Typed Name

3/23/2018
Date

ACKNOWLEDGEMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California }
County of Santa Clara }

On 3-23-2018 before me, Husam Y. Hammad
(insert name and title of the officer)

personally appeared Stephen Michael Erlien,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the
person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing
paragraph is true and correct.

WITNESS my hand and official seal.

Husam Y. Hammad
Signature

(Seal)



For Peloton Technology, Inc. (Assignee):



Assignee Representative (Signature)

Joshua P. Switkes

Assignee Representative (Typed or Written)

CEO

Assignee Representative Title

March 23, 2018

Date

ASSIGNMENT

WHEREAS, I, **Lorenz Laubinger**, of **San Francisco, California**, am an inventor or one of the co-inventors of the inventions as set forth in the one or more Provisional Patent Applications for Letters Patent in the United States Patent and Trademark Office listed in Table A below;
and am an inventor or one of the co-inventors of the inventions as set forth in the one or more Nonprovisional Patent Applications for Letters Patent in the United States Patent and Trademark Office listed in Table B below;
and am an inventor or one of the co-inventors of the inventions as set forth in the one or more Applications made under the Patent Cooperation Treaty (PCT) listed in Table C below;

Table A: U.S. Provisional Patent Applications in which **Lorenz Laubinger**
is an inventor or co-inventor.

TITLE	Docket #	Application #	Filing Date
SYSTEM AND METHOD FOR IMPLEMENTING PRE-COGNITION BRAKING AND/OR AVOIDING OR MITIGATION RISKS AMONG PLATOONING VEHICLES	PEL1P006P	62/638,794	2018-03-05

Table B: U.S. Nonprovisional Applications in which **Lorenz Laubinger**
is an inventor or co-inventor.

TITLE	Docket #	Application #	Filing Date
SYSTEM AND METHOD FOR IMPLEMENTING PRE-COGNITION BRAKING AND/OR AVOIDING OR MITIGATION RISKS AMONG PLATOONING VEHICLES	PEL1P006C	15/926,805	2018-03-20
SYSTEM AND METHOD FOR IMPLEMENTING PRE-COGNITION BRAKING AND/OR AVOIDING OR MITIGATION RISKS AMONG PLATOONING VEHICLES	PEL1P006A	15/926,809	2018-03-20
SYSTEM AND METHOD FOR IMPLEMENTING PRE-COGNITION BRAKING AND/OR AVOIDING OR MITIGATION RISKS AMONG PLATOONING VEHICLES	PEL1P006B	15/926,813	2018-03-20

Table C: PCT Applications in which **Lorenz Laubinger**
is an inventor or co-inventor.

TITLE	Docket #	Application #	Filing Date
SYSTEM AND METHOD FOR IMPLEMENTING PRE-COGNITION BRAKING AND/OR AVOIDING OR MITIGATION RISKS AMONG PLATOONING VEHICLES	PEL1P006WO	PCT/US2018/023723	2018-03-22

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

- 1) Sell, assign and transfer to **Peloton Technology, Inc.**, a Delaware corporation having a place of business at 1060 La Avenida Street, Mountain View, CA 94043 ("ASSIGNEE"), the entire right, title and interest in any and all improvements and inventions disclosed in, applications based upon, and patents granted upon (including foreign patents and the right to claim priority), the above-referenced applications.
- 2) Authorize and request the Commissioner of Patents to issue any and all United States Patents resulting from said applications or any division, continuation, substitute, renewal, re-examination or reissue thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said applications, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon the inventor, as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I have not entered and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date indicated below my signature.

INTENTIONALLY LEFT BLANK

Lorenz Laubinger
Inventor/Assignor Signature

Lorenz Laubinger
Inventor/Assignor Typed Name

3/29/2018
Date

ACKNOWLEDGEMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California }
County of Santa Clara }

On March 29, 2018 before me, Cathy M. Wong, Notary Public
(insert name and title of the officer)

personally appeared LORENZ LAUBINGER
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

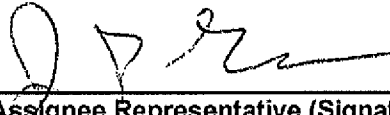
WITNESS my hand and official seal.

Cathy M. Wong
Signature



(Seal)

For Peloton Technology, Inc. (Assignee):



Assignee Representative (Signature)

Joshua P. Switkes

Assignee Representative (Typed or Written)

CEO

Assignee Representative Title

March 29, 2018

Date