

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5493494

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNOR: AZZOLINI, ALISSON GUSATTI previously recorded on Reel 040452 Frame 0088. Assignor(s) hereby confirms the ASSIGNOR: GUSATTI AZZOLINI, ALISSON.
CONVEYING PARTY DATA	
Name	Execution Date
STUART MICHAEL BOWERS	08/13/2015
HUSSEIN MOHAMED HASSAN MEHANNA	10/05/2015
ALISSON GUSATTI AZZOLINI	03/11/2016
JEFFREY SCOTT DUNN	07/20/2015
RODRIGO BOUCHARDET FARNHAM	07/18/2015
JAMES ROBERT PATON	07/20/2015
ALEKSANDR SIDOROV	07/27/2015
PAMELA SHEN VAGATA	12/14/2015
XIAOWEN XIE	11/27/2015
RECEIVING PARTY DATA	
Name:	FACEBOOK, INC.
Street Address:	1601 WILLOW ROAD
City:	MENLO PARK
State/Country:	CALIFORNIA
Postal Code:	94025
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14732501
CORRESPONDENCE DATA	
Fax Number:	(650)938-5200
<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:	4158752023
Email:	mnascimento@fenwick.com
Correspondent Name:	MONICA NASCIMENTO
Address Line 1:	FENWICK & WEST LLP
Address Line 2:	801 CALIFORNIA STREET
Address Line 4:	MOUNTAIN VIEW, CALIFORNIA 94041

ATTORNEY DOCKET NUMBER:	26295-39675/US
NAME OF SUBMITTER:	MONICA NASCIMENTO
SIGNATURE:	/Monica Nascimento/
DATE SIGNED:	04/25/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 14 source=39675 US Corrective Assignment and Declaration 2016-11-29#page1.tif source=39675 US Corrective Assignment and Declaration 2016-11-29#page2.tif source=39675 US Corrective Assignment and Declaration 2016-11-29#page3.tif source=39675 US Corrective Assignment and Declaration 2016-11-29#page4.tif source=39675 US Corrective Assignment and Declaration 2016-11-29#page5.tif source=39675 US Corrective Assignment and Declaration 2016-11-29#page6.tif source=39675 US Corrective Assignment and Declaration 2016-11-29#page7.tif source=39675 US Corrective Assignment and Declaration 2016-11-29#page8.tif source=39675 US Corrective Assignment and Declaration 2016-11-29#page9.tif source=39675 US Corrective Assignment and Declaration 2016-11-29#page10.tif source=39675 US Corrective Assignment and Declaration 2016-11-29#page11.tif source=39675 US Corrective Assignment and Declaration 2016-11-29#page12.tif source=39675 US Corrective Assignment and Declaration 2016-11-29#page13.tif source=39675 US Corrective Assignment and Declaration 2016-11-29#page14.tif	

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4160619

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
STUART MICHAEL BOWERS	08/13/2015
HUSSEIN MOHAMED HASSAN MEHANNA	10/05/2015
ALISSON GUSATTI AZZOLINI	03/11/2016
JEFFREY SCOTT DUNN	07/20/2015
RODRIGO BOUCHARDET FARNHAM	07/18/2015
JAMES ROBERT PATON	07/20/2015
ALEKSANDR SIDOROV	07/27/2015
PAMELA SHEN VAGATA	12/14/2015
XIAOWEN XIE	11/27/2015
RECEIVING PARTY DATA	
Name:	FACEBOOK, INC.
Street Address:	1601 WILLOW ROAD
City:	MENLO PARK
State/Country:	CALIFORNIA
Postal Code:	94025
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14732501
CORRESPONDENCE DATA	
Fax Number:	(650)838-4350
<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:	650-838-4300
Email:	ewelply@perkinscoie.com
Correspondent Name:	PERKINS COIE LLP
Address Line 1:	P.O. BOX 1247
Address Line 4:	SEATTLE, WASHINGTON 98111-1247
ATTORNEY DOCKET NUMBER:	060406-8194.US01
NAME OF SUBMITTER:	EILEEN M. WELPLY, PARALEGAL

SIGNATURE:	/Eileen M. Welply/
DATE SIGNED:	11/29/2016
Total Attachments: 12 source=PC8194_1AssignDec#page1.tif source=PC8194_1AssignDec#page2.tif source=PC8194_1AssignDec#page3.tif source=PC8194_1AssignDec#page4.tif source=PC8194_1AssignDec#page5.tif source=PC8194_1AssignDec#page6.tif source=PC8194_1AssignDec#page7.tif source=PC8194_1AssignDec#page8.tif source=PC8194_1AssignDec#page9.tif source=PC8194_1AssignDec#page10.tif source=PC8194_1AssignDec#page11.tif source=PC8194_1AssignDec#page12.tif	

COMBINED ASSIGNMENT/DECLARATION (37 CFR 1.63)

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred to as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to **Facebook, Inc.**, a Delaware corporation, having a place of business at 1601 Willow Road, Menlo Park, California 94025 ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the following provisional application filed under 35 U.S.C. § 111(b), non-provisional application filed under 35 U.S.C. § 111(a), international application filed according to the Patent Cooperation Treaty (PCT), or U.S. national phase application filed under 35 U.S.C. § 371 ("APPLICATION"):

- Application No. **14/732,501**, entitled "**MACHINE LEARNING SYSTEM INTERFACE**" filed on **June 5, 2015**.

2. The entire worldwide right, title, and interest in and to:
(a) the APPLICATION; (b) all applications claiming priority from the APPLICATION;
(c) all provisional, utility, divisional, continuation, substitute, renewal, reissue, and other applications related thereto which have been or may be filed in the United States or elsewhere in the world; (d) all patents (including reissues and re-examinations) which may be granted on the applications set forth in (a), (b), and (c) above; and (e) all right of priority in the APPLICATION and in any underlying provisional or foreign application, together with all rights to recover damages for infringement of provisional rights.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR 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. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

INVENTOR 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 for recordation of this document.

Title: MACHINE LEARNING SYSTEM INTERFACE
Date Filed: June 5, 2015
Application No.: 14/732,501

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.

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION
USING AN APPLICATION DATA SHEET (37 CFR 1.76)**

By signing below, INVENTOR further attests to the following:

- The APPLICATION was made or authorized to be made by INVENTOR.
- INVENTOR believes that INVENTOR is the original inventor or an original joint inventor of a claimed invention in the APPLICATION.
- INVENTOR acknowledges the duty to disclose to the United States Patent and Trademark Office all information known to INVENTOR to be material to patentability as defined in 37 CFR § 1.56, which for a continuation-in-part includes information known to INVENTOR to be material to patentability as defined in 37 CFR § 1.56 that became available between the filing date of the prior patent application and the National or PCT filing date of the continuation-in-part application.
- INVENTOR has reviewed and understands the contents of the APPLICATION, including the claims.

INVENTOR hereby acknowledges that any willful false statement made in this document is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Name and Signature

Date of Signature

Stuart Michael Bowers

Name and Signature

Date of Signature

Hussein Mohamed Hassan Mehanna

10/15/2015

Name and Signature

Date of Signature

Allsson Gusatti Azzolini

Name and Signature

Date of Signature

Jeffrey Scott Dunn

Title: MACHINE LEARNING SYSTEM INTERFACE
Date Filed: June 5, 2015
Application No.: 14/732,501

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Name and Signature

Date of Signature

Stuart Michael Bowers

Name and Signature

Date of Signature

Hussein Mohamed Hassan Mehanna

Name and Signature

Date of Signature

Alisson Gusatti Azzolini

March 11, 2016

Name and Signature

Date of Signature

Jeffrey Scott Dunn

Title: MACHINE LEARNING SYSTEM INTERFACE
Date Filed: June 5, 2015
Application No.: 14/732,501

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Stuart Michael Bowers

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Hussein Mohamed Hassan Mehanna

Name and Signature

Date of Signature

Allison Gusatti Azzolini

Name and Signature

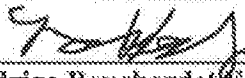
Date of Signature


Jeffrey Scott Dunn

7/30/15

Title: MACHINE LEARNING SYSTEM INTERFACE
Date Filed: June 5, 2015
Application No.: 14/732,501

Name and Signature


Rodrigo Bouchardet Farnham

Date of Signature

2015-07-18

Name and Signature

James Robert Paton

Date of Signature

Name and Signature

Aleksandr Sidorov

Date of Signature

Name and Signature

Pamela Shen Vagata

Date of Signature

Name and Signature

Xiaowen Xie

Date of Signature

Title: MACHINE LEARNING SYSTEM INTERFACE
Date Filed: June 5, 2015
Application No.: 14/732,501

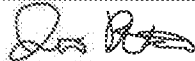
Name and Signature

Date of Signature

Rodrigo Bouchardet Farnham

Name and Signature

Date of Signature



July 20, 2015

James Robert Paton

Name and Signature

Date of Signature

Aleksandr Sidorov

Name and Signature

Date of Signature

Pamela Shen Vagata

Name and Signature

Date of Signature

Xiaowen Xie

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Name and Signature

Date of Signature

Rodrigo Bouchardet Farnham

Name and Signature

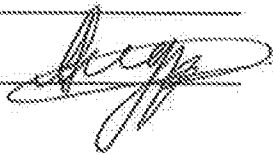
Date of Signature

James Robert Paton

Name and Signature

Date of Signature

Aleksandr Sidorov



07/27/2015

Name and Signature

Date of Signature

Pamela Shen Vagata

Name and Signature

Date of Signature

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Pamela Shen Vagata

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11/27/2015

Xiaowen Xie

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Name and Signature



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Date of Signature

8/13/2015

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