

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5380953

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
YU HUANG	02/06/2019
GAURAV VEDA	02/11/2019
KUN-HAN TSAI	02/07/2019
WU-TUNG CHENG	02/07/2019
MASON CHERN	02/13/2019
SHI-YU HUANG	02/11/2019
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Property Type	Number
Application Number:	16248866
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ATTORNEY DOCKET NUMBER:	2018P01912US01
NAME OF SUBMITTER:	ANN HICKEY
SIGNATURE:	/ANN HICKEY/
DATE SIGNED:	02/19/2019

Total Attachments: 7

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ASSIGNMENT

For good and valuable consideration, I (We),

Yu Huang, residing at 2443 Crestview Drive, West Linn, OR 97068, US, citizen of CN

Gaurav Veda, residing at 1673 NE 63rd Avenue, Hillsboro, OR 97124, US, citizen of IN

Kun-han Tsai, residing at 12997 Sierra Vista Drive, Lake Oswego, OR 97035, US, citizen of US

Wu-Tung Cheng, residing at 19030 SW 35th Place, Lake Oswego, OR 97034, US, citizen of US

Mason Chern, residing at No.104-88, Lunziding, Minxiong Township, Chiayi County 621, TW,
citizen of TW

Shi-Yu Huang, residing at No. 101. Sec. 2, Guang-Fu Road, HsinChu, 30013, TW, citizen of TW

hereafter individually or collectively referred to as "Assignor(s)";

Hereby, (I) acknowledge having previously assigned, sold and transferred to **Mentor Graphics Corporation**, a corporation organized and existing under the laws of the State of OREGON, having its principal place of business at 8005 S.W. Boeckman Rd., Wilsonville, OR, 97070, hereinafter "Assignee", its successors, assigns and legal representatives, or to a predecessor of Assignee, pursuant to (A)(i) the laws of UNITED STATES OF AMERICA or (ii) a Patent & Secrecy Agreement or similar legal document such as, without limitation, an employee agreement executed at the time of entering into the employment of, or executed as a condition of continuing employment with, the Assignee or a predecessor of the Assignee, the entire right, including any and all priority rights, title and interest, in and for the United States and all foreign countries, in and to any and all inventions or improvements which are disclosed in an invention disclosure and/or in the below-identified documents currently filed with this Assignment, already filed or granted for Letters Patent (in which case, any provision of the subject Assignment that is in conflict with or is in addition to any provision in the prior agreement(s) or assignment(s) then this Assignment shall govern, take precedence, and be of legal effect), or

(B)(i) to the extent such laws of UNITED STATES OF AMERICA or such Patent & Secrecy Agreement or similar legal document failed or fails, in whole or part, to have assigned, sold or transferred the entire right (including priority rights), title and interest, in and for the United States and all foreign countries, in and to all inventions or improvements which are disclosed in the below-identified application(s) or pending application(s) or granted Letters Patent, or (ii) if no such agreement(s) exist assigning, selling or transferring any such right (including priority rights), title or interest; then for good and valuable consideration, Assignor(s) now and hereby, effective Nunc Pro Tunc on the filing date of the below identified patent application(s), pending patent application(s) or granted Letter Patent(s), assign, sell and transfer(s) to Assignee, its successors, assigns and legal representatives, the entire right, (including all priority rights), title and interest in and for the United States and all foreign countries, in and to any and all inventions and/or improvements which are disclosed in the following identified; patent application(s), pending patent application(s) or granted Letter Patent(s)

Patent Application Title: **Multi-Stage Machine Learning-Based Chain Diagnosis**

Filing Date: **17 Jan 2018**

Filing Number: **62/618,619**

Internal Case Number(s): **2018P01912US**

Patent Application Title: **Multi-Stage Machine Learning-Based Chain Diagnosis**
Filing Date: **16 Jan 2019**
Filing Number: **16/248,866**
Internal Case Number(s): **2018P01912US01**

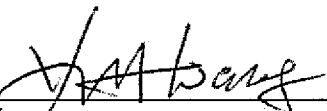
and in and to said application(s) or granted patents and all applications claiming priority to said application or granted patent, including, without limitation, and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of the inventions and/or improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on the inventions and/or improvements;

(II) Agree that said Assignee may apply for and receive Letters Patent for said inventions and/or improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions and/or improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said inventions and/or improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and/or improvements and for vesting title to said inventions and or improvements and all applications for patents and all patents on said inventions and/or improvements, in said Assignee, its successors, assigns and legal representatives; and


(III) Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.



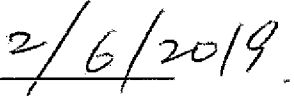
Witness Signature



Yu Huang



printed name



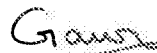
Date



Witness Signature

MANISH SHARMA


printed name



Gaurav Veda


2/11/2019

Date



Witness Signature
XIJIANG LIN

printed name



Kun-han Tsai
2/7/2019

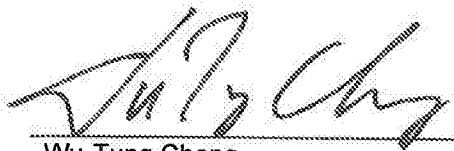
Date



Witness Signature

MANISH SHARMA

printed name



Wu-Tung Cheng

2/7/2019

Date

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Page 6 of 7

Yu-Ting Li
Witness Signature

Mason Chern
Mason Chern

Yu-Ting Li
printed name

2019/02/13
Date

Wei Chu
Witness Signature

Shi-Yu Huang
Shi-Yu Huang

Wei Chu
printed name

Feb. 11, 2019
Date

Companies Representative(s)
Mentor Graphics Corporation

DocuSigned by:
Shannon Wetzel

Signature(s): _____
5DCE71D5EAE145A

Name(s): Shannon wetzel

Title: Deputy General Counsel

Date: 2/14/2019

