505397417 03/27/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5444211

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GEORGIOS CHALKIDIS	03/25/2019
SHINJI TARUMI	03/25/2019

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16366753

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ATTORNEY DOCKET NUMBER:	120179-245UT1
NAME OF SUBMITTER:	JESSICA R. GROSS
SIGNATURE:	/Jessica R. Gross/
DATE SIGNED:	03/27/2019

Total Attachments: 1

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PATENT 505397417 REEL: 048718 FRAME: 0653

Docket No. 120179-242UT1

Assignment

Whereas, We, Georgios CHALKIDIS of Cottonwood Heights, Utah, US, and Shinji TARUMI of Salt Lake City, Utah, US, hereinafter called assignors, have invented certain improvements in SYSTEM FOR PREDICTION MODEL MANAGEMENT WITH TREATMENT PATHWAYS AND BIOMARKER DATA and executed an application for Letters Patent of the United States of America therefor; and

Whereas, **Hitachi**, **Ltd.**, 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo, Japan (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

We, the above named assignors, hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, and all countries foreign thereto, including rights of priority under the International Convention of Paris (1883) as amended, including the right to claim priority under 35 U.S.C. §119, and We request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and We hereby agree that the assignee may apply for foreign Letters Patent on the invention and We will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

We hereby authorize and request our attorneys PROCOPIO, CORY, HARGREAVES &
SAVITCH LLP of 525 B Street Suite 2200, San Diego, CA 92101 to insert here in parentheses
(Application number 16/366,753 and Confirmation number 1485,
filed March 27, 2019) the application number, confirmation number and filing date of said
application when known.
Date: 3/15/19 . Collin
s/ Georgios CHALKIDIS
Date: 3/25/19 Shinsi Tarumi
s/Shinii TARUM

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

PATENT REEL: 048718 FRAME: 0654

RECORDED: 03/27/2019