505559180 07/05/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JUNKO TANAKA	03/22/2019
TAKAHIDE YOKOI	03/22/2019
MASAO KAMAHORI	03/24/2019
YOSHINOBU KOHARA	03/22/2019

RECEIVING PARTY DATA

Name:	HITACHI, LTD.	
Street Address:	reet Address: 6-6, MARUNOUCHI 1-CHOME	
City: CHIYODA-KU, TOKYO		
State/Country:	tate/Country: JAPAN	
Postal Code:	100-8280	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16476256

CORRESPONDENCE DATA

Fax Number: (619)235-0398

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.

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Email: docketing@procopio.com

Correspondent Name: PROCOPIO, CORY, HARGREAVES & SAVITCH LLP

Address Line 1: 525 B STREET Address Line 2: SUITE 2200

Address Line 4: SAN DIEGO, CALIFORNIA 92101

ATTORNEY DOCKET NUMBER:	DRNEY DOCKET NUMBER: 126042-004US1	
NAME OF SUBMITTER:	JESSICA R. GROSS	
SIGNATURE:	/Jessica R. Gross/	
DATE SIGNED:	07/05/2019	

Total Attachments: 2

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PATENT 505559180 REEL: 049677 FRAME: 0589

ASSIGNMENT

(譲渡証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me by HITACHI, LTD.,

a corporation organized under the laws of Japan,

located at 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo, Japan

receipt of which is hereby acknowledged I do hereby sell and assign to said HITACHI, LTD.,

its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

PCR MEASUREMENT METHOD AND MEASUREMENT DEVICE

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application

for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted,

to be held and enjoyed by said HITACHI, LTD.,

its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully—and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said HITACHI, LTD.

Signed on the date(s) indicated aside signatures:

INVENTOR(S) (発明者フルネームサイン) Date Signed (署名日)

	Junko TANAKA	
1)	Junko Tanaka	March 22, 2019
2)	Jahahile John	March 22. 2019
3)	Masao KAMAHORI	
4)	Yoshinobu KOHARA Yalirolu Kalana	March , 22, 2019
•••		

PATENT REEL: 049677 FRAME: 0590

ASSIGNMENT

(譲渡証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me by HITACHI, LTD.,

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to be held and enjoyed by said HITACHI, LTD.,

its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted. as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made:

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-inpart, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said HITACHI, LTD.

Signed on the date(s) indicated aside signatures:

INVENTOR(S)

(発明者フルネームサイン)

(署名日) Junko TANAKA Takahide YOKOI Masaw Kamahor March 24, 2019 Yoshinobu KOHARA

> **PATENT** REEL: 049677 FRAME: 0591

Date Signed

RECORDED: 07/05/2019