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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5976172

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HISASHI YABUTANI	01/15/2020
TAKESHI ISHIDA	01/16/2020
YOSHIHIRO YAMASHITA	01/22/2020
TAKU SAKAZUME	01/15/2020
MICHAELA WINDFUHR	01/20/2020
BERNHARD HAUPTMANN	01/20/2020
ANDREAS FINKE	01/23/2020

RECEIVING PARTY DATA

Name:	HITACHI HIGH-TECHNOLOGIES CORPORATION
Street Address:	24-14, NISHI SHIMBASHI 1-CHOME
City:	MINATO-KU, TOKYO
State/Country:	JAPAN
Postal Code:	105-8717
Name:	ROCHE DIAGNOSTICS OPERATIONS, INC.
Name: Street Address:	ROCHE DIAGNOSTICS OPERATIONS, INC. 9115 HAGUE ROAD
	,
Street Address:	9115 HAGUE ROAD

PROPERTY NUMBERS Total: 1

Property Type	Number					
Application Number:	16640971					

CORRESPONDENCE DATA

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REEL: 051890 FRAME: 0409 505929454

PATENT

ATTORNEY DOCKET NUMBER:	108147.PD116US
NAME OF SUBMITTER:	MICHAEL H. JACOBS
SIGNATURE:	/Michael H. Jacobs/
DATE SIGNED:	02/21/2020
Total Attachments: 2	•

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> **PATENT REEL: 051890 FRAME: 0410**

ASSIGNMENT (蘇海証)

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 citizen of Japan by HITACHI HIGH-TECHNOLOGIES CORPORATION, a corporation organized under the laws of Japan, located at 24-14, Nishi Shimbashi 1-chome, Minato-ku, Tokyo 105-8717 Japan and citizen of Germany by ROCHE DIAGNOSTICS OPERATIONS, INC., a corporation organized under the laws of United States of America located at 9115 Hague Road Indianapolis, IN 46250 U.S.A. receipt of which is hereby acknowledged I do hereby sell and assign to said HITACHI HIGH-TECHNOLOGIES CORPORATION and ROCHE DIAGNOSTICS OPERATIONS, INC., their successors and assigns, all my right, title and interest, in and for the United States of America, in and to

ANALYZER

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 HIGH-TECHNOLOGIES CORPORATION—and—ROCHE DIAGNOSTICS OPERATIONS, INC., their 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 preparations, 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 HIGH-TECHNOLOGIES CORPORATION and ROCHE DIAGNOSTICS OPERATIONS, INC.,

Signed on the date(s) indicated aside our signatures:

	#WVENTOR(S) (発明者フルネームサイン)	Date Signed (署名3)					
4)	Hisseli Yafatamini Hisseli YABUTANI	1/15/2020					
	Takeshi Ushida Takeshi ISHIDA	1/16/2020					
3)	Machiliano Jamesh to Yoshihiro YAMASHITA	1/22/2020					
	Tolo La Lema Toku SAKAZUME	1/15/2020					
ຮ) _	Michaela WINDFUHR						
6)	Bernhard HAUPTMANN						
7)	Andreas FINKE	Anatonia					
8) _							
9) _							

PATENT REEL: 051890 FRAME: 0411

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 citizen of Japan by HITACHI HIGH-TECHNOLOGIES CORPORATION, a corporation organized under the laws of Japan, localed at 24-14, Nishi Shimbashi 1-chome, Minato-ku, Tokyo 105-8717 Japan and citizen of Germany by ROCHE DIAGNOSTICS OPERATIONS, INC., a corporation organized under the laws of United States of America located at 9115 Hague Road Indianapolis, IN 46250 U.S.A. receipt of which is hereby acknowledged I do hereby sell and assign to said HITACHI HIGH-TECHNOLOGIES CORPORATION and ROCHE DIAGNOSTICS OPERATIONS, INC., their successors and assigns, all my right, title and interest, in and for the United States of America, in and to

ANALYZER

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 HIGH-TECHNOLOGIES CORPORATION. and ROCHE DIAGNOSTICS OPERATIONS, INC., their successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted as fully and enlirely 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, tawful, 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 relasue applications or in any amendment, extension, or interference preceedings, or othewise 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 HIGH-TECHNOLOGIES CORPORATION and ROCHE DIAGNOSTICS OPERATIONS, INC.,

Signed on the date(s) indicated aside our signatures:

INVENTOR(S)

		(≸	を明者フルネース	いサイン)			(署:	名目)				
1)		8 A 8 A		Hisashi YABUTANI		186 (186) 186 (186) 186 (186)						
2)				Takeshi (SHIDA	***************************************		. i.	100 (1000)		41 29		
3)			8 8 8 8 8	Yoshihiro YAMASHITA	* ;			-000 -00 -00 -00 -00 -00 -00 -00 -00 -0				
4)				Taku SAKAZUME	*			988 - PT 988 9				
5)		18 18 ¹⁸		Michaela WINDFUHR	20-0	aur	3020	Q1.0			ا د ح	
6).	* * *	** **	998 8 	Bernhard HAUPTMANN	20-2			AND COMMENT	2			
7)		* * #	* 8 8	Andreas FINKE	23.1	. c 2	درا درا	Α	F) 6	
8)	3. 44 	# #	18 U. 18 E			, , , , , , ,			·			
9)						. F . E	***************************************	8 8		44		

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Date Signed

RECORDED: 02/21/2020