# 505021669 07/26/2018

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT	
CONVEYING PARTY D	ΑΤΑ			
		Name	Execution Date	
CHIHIRO KORA			07/13/2018	
TAKAO OKADO			07/12/2018	
MICHIAKI OWA			07/13/2018	
YOSUKE IWATA			07/17/2018	
RECEIVING PARTY DA	TA			
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State/Country:	JAPAN	JAPAN		
Postal Code:	604-8511			
Property Type		Number		
Application Number:16		16072921		
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	e sent t	o the e-mail address first; if that is uns	uccessful, it will be sent	
using a fax number, if		d; if that is unsuccessful, it will be sen		
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Address Line 2: Address Line 4: ATTORNEY DOCKET NU JAME OF SUBMITTER: BIGNATURE: DATE SIGNED:		SUITE 800 WASHINGTON, D.C. 20037 Q241121 BYRON F. GALVEZ /Byron Galvez/ 07/26/2018		

 $source = Q241121 Assignment executed a sfiled \# page 3. tif \\ source = Q241121 Assignment executed a sfiled \# page 4. tif \\ \label{eq:q241121}$ 

Whereas, I, Chihiro KORA of Kyoto-shi, Japan hereinafter called assignor, have invented certain improvements in PRESSURE CONTROL VALVE AND SUPERCRITICAL FLUID CHROMATOGRAPH and executed an application for Letters Patent of the United States of America; and

Whereas, SHIMADZU CORPORATION of 1, Nishinokyo-Kuwabaracho, Nakagyoku, Kyoto-shi, Kyoto, 604-8511, 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,

I, the above named assignor, hereby sell, assign and transfer to the above named assignce, 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 I 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 I hereby agree that the assignce may apply for foreign Letters Patent on the invention and I 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.

I hereby authorize and request my attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number <u>16/072,921</u> and Confirmation number <u>4688</u>, filed <u>July 26, 2018</u>) the application number, confirmation number and filing date of said application when known.

Date:

13/July, 2018 Chitaro Kora s/Chihiro KORA

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

Whereas, I, Takao OKADO of Kyoto-shi, Japan hereinafter called assignor, have invented certain improvements in PRESSURE CONTROL VALVE AND SUPERCRITICAL FLUID CHROMATOGRAPH and executed an application for Letters Patent of the United States of America; and

Whereas, SHIMADZU CORPORATION of 1, Nishinokyo-Kuwabaracho, Nakagyoku, Kyoto-shi, Kyoto, 604-8511, 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,

I, the above named assignor, 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 I 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 I hereby agree that the assignee may apply for foreign Letters Patent on the invention and I 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.

I hereby authorize and request my attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number <u>16/072,921</u> and Confirmation number <u>4688</u>, filed July 26, 2018 ) the application number, confirmation number and filing date of said application when known.

12 / July, 2018 Takao OKADO s/Takao OKADO Date:

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

Whereas, I, Michiaki OWA of Kyoto-shi, Japan hereinafter called assignor, have invented certain improvements in PRESSURE CONTROL VALVE AND SUPERCRITICAL FLUID CHROMATOGRAPH and executed an application for Letters Patent of the United States of America; and

Whereas, SHIMADZU CORPORATION of 1, Nishinokyo-Kuwabaracho, Nakagyoku, Kyoto-shi, Kyoto, 604-8511, 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,

I, the above named assignor, 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 I 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 I hereby agree that the assignee may apply for foreign Letters Patent on the invention and I 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.

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Date:

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

13/July,2018 Michiaki Owa s/Michiaki OWA

Whereas, I, Yosuke IWATA of Kyoto-shi, Japan hereinafter called assignor, have invented certain improvements in PRESSURE CONTROL VALVE AND SUPERCRITICAL FLUID CHROMATOGRAPH and executed an application for Letters Patent of the United States of America; and

Whereas, SHIMADZU CORPORATION of 1, Nishinokyo-Kuwabaracho, Nakagyoku, Kyoto-shi, Kyoto, 604-8511, 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,

I, the above named assignor, 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 I 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 I hereby agree that the assignee may apply for foreign Letters Patent on the invention and I 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.

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17. Jul 2018 Joshke Date:

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

#### PATENT REEL: 046468 FRAME: 0212

**RECORDED: 07/26/2018**