504724119 01/11/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TATSUHIRO TAGUCHI	12/21/2017

RECEIVING PARTY DATA

Name:	SHIMADZU CORPORATION	
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City:	Kyoto	
State/Country:	JAPAN	
Postal Code:	604-8511	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15863914

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	SMZUP0161US
NAME OF SUBMITTER:	MARK D. SARALINO
SIGNATURE:	/MARK D. SARALINO/
DATE SIGNED:	01/11/2018

Total Attachments: 3

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PATENT 504724119 REEL: 044591 FRAME: 0606

Attorney Docket No. SM	PATENT (U	IS)				
COMBINED DECLA	RATION AND ASSIGNMENT US (ORIGINAL, DESIGN, NATI		TA SHEET (37 CFR 1.7)	6)		
Title: VACUUM VA	LVE	U.S. Applicati	ion No. 15/863,914			
	I. DECLAR	ATION				
As a below named inve	ntor or joint inventor, I hereby de	clare that:				
This declaration is direc	ted to:	U.S. Filing Dat	e: January 6, 2018			
(a) X the attac	(a) X the attached application, or					
(b) United S	tates application or PCT interna	tional application number				
The above-identified ap	plication was made or authorize	d by me.				
I believe that I am the o	riginal inventor or an original join	it inventor of a claimed in	vention in the application	١.		
I hereby state that I hav	e reviewed and understand the o	contents of the above-ide	ntified application.			
I hereby acknowledge to me to be material to pat	ne duty to disclose to the U.S. P entability as defined in 37 C.F.R	atent and Trademark Offi . §1.56.	ce all information known	ı to		
	hat any willful false statement m iment of not more than five (5) y		punishable under 18 U	sc		
	PRIORITY	CLAIM				
for patent or inventor's other than the United St for patent or inventor's other than the United St of the application(s) of v	, ,	tional application(s) desig have also identified belo onal application(s) design	mating at least one coun w any foreign application nating at least one coun	ntry n(s) ntry		
(c) no such app	lication have been filed.					
(d) x such applica	itions have been filed as follows.					
EARLIEST FORE	GIGN APPLICATION(S), IF ANY	, FILED PRIOR TO THIS	U.S. APPLICATION			
COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMEI UNDER 35 USC §11			
JP	2017-003442	12 January 2017	Yes	No No No		

09/01/2012

II. ASSIGNMENT

As a below named assignor, for good and valuable consideration acknowledged and received I hereby sell and assign my entire worldwide right, title and interest in the application and the invention(s), so far as concerns the United States and the Territories and Possessions thereof to:

ASSIGNEE:

SHIMADZU CORPORATION 1, Nishinokyo-Kuwabaracho Nakagyo-ku, Kyoto-shi Kyoto 604-8511 Japan

Including:

any and all related patent application(s) in the United States, including continuations, continuations-in-part, divisionals, conversions, renewals, substitutes, reissues, reexaminations, extensions, non-provisional applications, and other applications based in whole or in part upon the invention(s) or upon the application(s);

any and all Letters Patent, renewals, reissues, reexamination certificates and extensions of Letters Patent granted for the invention(s) or upon the application(s); and

every priority right that is or may be predicated upon or arise from the invention(s), the application(s) and the Letters Patent..

I additionally authorize the Assignee to file patent applications in my or the Assignee's name for Letters Patent in any country (by international convention, treaty or otherwise), to be held and enjoyed by the Assignee, its successors and assigns, to the full end of the term or terms for which Letters Patent respectively may be granted, reissued, reexamined or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this Assignment and transfer not been made.

I hereby covenant that I have the full right to convey the entire interests herein assigned, and that I have not executed and will not execute any agreement in conflict herewith and that such assigned rights are not encumbered by any grant, license or other right previously given.

I agree that each time a request is made, and without undue delay, I will execute and deliver all such papers as may be necessary or desirable to perfect the title in and to the invention(s), the application(s) and the Letters Patent, to the Assignee, its successors or assigns.

I agree, without undue delay, to undertake all reasonable acts to assure that said invention(s), patent application(s) and Letters Patent shall be held and enjoyed by the Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly: to execute and deliver to the Assignee all lawful documents including petitions, specifications, oaths, declarations, powers of attorney, assignments, invention disclaimers and lawful affidavits in form and substance which may be requested by the Assignee; to furnish the Assignee with all facts relating to said invention(s) or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may be useful for establishing the facts of conception, disclosure and reduction to practice of said invention(s); and to testify in any proceedings relating to said invention(s), patent application(s) and Letters Patent.

I authorize the patent attorney of record and/or having power of attorney in the U.S. patent application identified above to insert the serial number and filing date information for the patent application in the appropriate spaces in this document when that information becomes available.

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Full Name of Sole or First Inventor and Assignor: Tatsuhiro TAGUCHI				
Inventor's signature:	Tatsuhiro	Taguchi	Date:	21 December 2017
Post Office Address: c/o SHIMADZU CORPORATION 1, Nishinokyo-Kuwabaracho, Nakagyo-ku, Kyoto-shi Kyoto 604-8511 Japan				
CHECK FOR ANY OF THE FOLLOWING ADDED PAGE(S) WHICH FORM A PART OF THIS COMBINED DECLARATION AND ASSIGNMENT Signature for sixth and subsequent joint inventors and assignors; number of pages added				
1 0	this combined declaration cart (CIP) application.	on and assignment fo	r divisional,	continuation, or
X This combined declaration and assignment ends with this page.				

09/01/2012

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PATENT REEL: 044591 FRAME: 0609