505796331 11/27/2019

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5843160

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HIROSHI NOGUCHI	11/15/2019
OSAMU TSUCHIYA	11/15/2019
SHUICHIRO YAMAMOTO	11/18/2019

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	29715073		

CORRESPONDENCE DATA

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Address Line 4: FALLS CHURCH, VIRGINIA 22042

ATTORNEY DOCKET NUMBER:	0649-2894PUS1
NAME OF SUBMITTER:	TAN T. TU
SIGNATURE:	/TAN T. TU/
DATE SIGNED:	11/27/2019

Total Attachments: 3

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Application No.: 29715073 filed 11/27/2019

Attorney Docket No.: 0649-2894PUS1

BIRCH, STEWART, KOLASCH & BIRCH, LLP

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DECLARATION AND ASSIGNMENT FOR PATENT AND DESIGN APPLICATIONS

UNITED STATES PATENT RIGHTS, OR UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

		As a below na	med inventor (hereinafter designated as the undersigned), I hereby declare that:	
Application not Attached	:>	This declaration is directed to the application attached hereto. If the application is not attached hereto, the application is as identified by the attorney docket number as set forth above and/or the following:		
Enter Appln. No.	c>	United States	Application Number or PCT International Appln, No.	
Enter Filing Date	ne ⇒ filed on			
		The above-ide	entified application was made or authorized to be made by me.	
		I believe that application.	I am the original inventor or an original joint inventor of a claimed invention in the	
		I have review	ed and understand the contents of the above-identified application, including the claims.	
			e the duty to disclose information which is material to patentability as defined in Title 37, ral Regulations § 1.56.	
		WHEREAS, tapplication id	the undersigned has invented certain new and useful improvements described in the entified.	
Insert Name of Assignee	=>	WHEREAS,	MITSUBISHI JIDOSHA KOGYO KABUSHIKI KAISHA	
Insert Address of Assignee	ı⇒	of	1-21, Shibaura 3-chome, Minato-ku, Tokyo, 108-8410 Japan ,	
5		of acquiring th	essors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous he entire right, title and interest in and to said invention and in and to any Letters Patent(s) ranted therefor in the United States of America and	
Check Box if S		in any fo	reign countries.	
		the undersign transfer unto America, its to and all Letter dependencies any and all d	EFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ned has sold, assigned and transferred, and by these presents does (do) sell, assign and said Assignee the full and exclusive right to the said invention in the United States of erritories, dependencies and possessions and the entire right, title and interest in and to any s Patent(s) which may be granted therefor in the United States of America, its territories, and possessions, and if the box above is designated, in any and all foreign countries; and to livisions, reissues, continuations, conversions and extensions thereof for the full term or ch the same may be granted.	

Page 1

BSK8-DECASSIGN(09-12)

Attorney Docket No.: 0649-2894PUS1

The undersigned agrees to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agrees to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agrees to perform all affirmative acts which may be necessary to obtain a grant of (a) valid United States of America patent(s) or a grant of (a) valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorizes and requests the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patent(s) resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has the full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grants the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

The undersigned hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

The undersigned hereby acknowledges that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

In witness whereof, executed by the undersigned on the date opposite the undersigned name.

LECAL NAME OF INVENTOR

	THE STATE OF THE PERSON OF THE				
Inventor's Name ⇒ Inventor	: Hiroshi NOGUCHI		Date: 🛆	(pv:ZZ57.	20/9
loventor's Signature ⇒ Signatur	e: <u>HIXO5711</u>	NWOOTH			
An application data sheet Use a separate form for ea	(PTO/SB/14 or equivalent), inc ch inventor; or check the box be	luding naming the entir low and complete the a) c inventive entity, mu ttached page(s) to list;	st accompany this form additional inventors.	ĭ.
Additional inventors a	re being named on the1st	applemental sheet(s) atta	sched hereto.		

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Attorney Docket No.: 0649-2894PUS1

SUPPLEMENTAL SHEET FOR DECLARATION AND ASSIGNMENT

ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1

		AME OF JOHN HAVENTON, IF AIM	
Inventor's Name	* Inventor:	Osamu TSUCHIYA	Date: NOV. / 15/2019
Inventor's Signature	⇒ Signature:	Osam Tachija	
	LEGAL IV	AME OF JOINT INVENTOR, IF ANY	
			Date: Nov./18/2019
Inventor's Signature	⇒ Signature:	Shujelyino Tamamoto	
	LEGAL N/	ame of joint inventor, if any	
Inventor's Name	⇒Inventor:		Date:
Inventor's Signature	⇒Signature:		
皇	LEGAL N	AME OF JOINT INVENTOR, IF ANY	
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Inventor's Signature	⇒Signatures		
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	LEGAL NA	AME OF JOINT INVENTOR, IF ANY	
Inventor's Name	⇒inventor:		Date:
Investor's Signature	∜Signature:		

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RECORDED: 11/27/2019