503855213 06/03/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3901862

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Takahiro MISAWA	04/22/2016
Yoshinobu SUGIYAMA	04/22/2016

RECEIVING PARTY DATA

Name:	ame: Toyota Jidosha Kabushiki Kaisha		
Street Address: 1, Toyota-cho			
City: Toyota-shi, Aichi-ken			
State/Country:	Japan		
Postal Code:	471-8571		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15172792

CORRESPONDENCE DATA

Fax Number: (703)836-2787

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.

Phone: 703-836-6400
Email: email@oliff.com
Correspondent Name: JAMES A. OLIFF
Address Line 1: OLIFF PLC

Address Line 2: P.O. BOX 320850

Address Line 4: ALEXANDRIA, VIRGINIA 22320-4850

ATTORNEY DOCKET NUMBER: 168975

NAME OF SUBMITTER: PAMELA BALLARD

SIGNATURE: /Pamela Ballard/
DATE SIGNED: 06/03/2016

Total Attachments: 2

source=4225043_1#page1.tif source=4225043_1#page2.tif

PATENT 503855213 REEL: 038801 FRAME: 0012

ASSIGNMENT (BEING FILED FOR DUAL PURPOSE UNDER 37 CFR 1.63(e)) For Application with Filing Date on or after September 16, 2012

ASSIGNMENT

	Insert	(1)	Takahiro MISAWA		(2)	Yoshinobu SUGIYAMA
(1-8)	Legal Namc(s)	(3)	The state of the s	TO THE RESIDENCE OF THE PARTY O	(4)	
	of Inventor(s)	(5)			(6)	
		(7)		(1.) 	(8)	The second secon
		the un		ufficiency of which	are l	r good and valuable consideration paid to each of nereby acknowledged, each undersigned agrees to
(9)	Insert Name of (9) TOYOTA JIDOSHA KABUSHIKI KAISHA					
(10)	Insert Address of Assignee	(10)	1, Toyota-cho, Toyota-s	hi, Aichi-ken, 471-	8571	Japan
(11)	Insert Identification such as Title, Case Number, or Foreign	invent contin	ion, and in all applications uation, international, substi examination certificates tha	for patent including tute and reissue app t may be granted or	any licat the	America as defined in 35 U.S.C, §100, in the and all provisional, non-provisional, divisional, ion(s), and all Letters Patent, extensions, reissues invention known as MITTING DEVICE AND ELECTRIC POWER
	Application Number					
		(Atto	ney Docket No.	168975	,), :	filed on even date herewith or as
(12)	Alternative	(12)	U.S. Application Number			15/172,792
	Identification for filed applications	filed		June	3,	, 2016
to exec	ute separate assignments in	connection	with such applications an	d patents as the As	signe	plication and/or patent for the invention and also se may deem necessary. terference or post-grant proceeding which may be

- declared concerning any application or patent for the invention and to cooperate with the Assignee in every way possible in obtaining evidence
- and going forward with such interference or post-grant proceeding.

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

 4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or

reexamination a grant of a valid United States patent to the Assignee.

- 5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all patents resulting from said application(s) to the said Assignce, as Assignce of the entire interest, and covenants that he or she has full right to convey the entire interest herein assigned, and that he or she has not executed, and will not execute, any agreement(s) in conflict herewith, and agrees that this assignment is binding on Assignor and Assignor's heirs, successors, assigns and legal representatives.
- 6) Each undersigned hereby grants the firm of OLIFF PLC the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Declaration (13)

As an above named inventor, I hereby declare that:

! believe I am the original inventor or an original joint inventor of a claimed invention (or claimed design) in the above-identified application for which this declaration is being submitted.

The application was made or authorized to be made by me.

I have reviewed and understand the contents of the above-identified application, including the claims, and am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR §1.56.

I hereby acknowledge 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.

> **PATENT** REEL: 038801 FRAME: 0013

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

Date	April 22 , 2016	Inventor Signature	Tatakiro Yisawa	(SEAL)
Date	Aprīl 22, 2016	Inventor Signature	zoshinoh Suqiyama	(SEAL)
neithei	This assignment should preferably be signed t, then it should be signed before at least two w		lic if within the U.S.A. (b) a U.S. Consul if outside thee;	ie U.S.A. J
D a te	April >2, 2016	Witness	Kensulae Kantohi	-
Date	April 22 , 2016	Witness	Satoshi Taniauchi	