504819674 03/14/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4866409

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YOSHIO HIRAIWA	02/28/2018
AKIHISA KATO	02/28/2018
AKIHIRO KAGITANI	02/26/2018
KOHEI HIGASHITANI	02/26/2018
NAOKI TANIGUCHI	02/26/2018

RECEIVING PARTY DATA

Name:	MITSUBISHI JIDOSHA ENGINEERING KABUSHIKI KAISHA
Street Address:	1, AZA NAKASHINKIRI, HASHIME-CHO
City:	OKAZAKI-SHI, AICHI
State/Country:	JAPAN
Postal Code:	444-8501
Name:	MITSUBISHI JIDOSHA KOGYO KABUSHIKI KAISHA
Name: Street Address:	MITSUBISHI JIDOSHA KOGYO KABUSHIKI KAISHA 33-8, SHIBA 5-CHOME, MINATO-KU
Street Address:	33-8, SHIBA 5-CHOME, MINATO-KU

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	15920684	

CORRESPONDENCE DATA

Fax Number: (703)205-8050

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: 7032058000

Email: thuy-kim.t.nguyen@bskb.com, mailroom@bskb.com

Correspondent Name: BIRCH STEWART KOLASH & BIRCH LLP Address Line 1: 8110 GATEHOUSE ROAD, SUITE 100E

Address Line 4: FALLS CHURCH, VIRGINIA 22042

ATTORNEY DOCKET NUMBER: 4898-0344PUS1

> **PATENT** REEL: 045599 FRAME: 0115

504819674

NAME OF SUBMITTER:	THUY-KIM T. NGUYEN		
SIGNATURE:	/Thuy-Kim T. Nguyen/		
DATE SIGNED: 03/14/2018			
Total Attachments: 3			
source=2018-03-14-DEC-astiled-4898-0344PHS1#page1 tif			

source=2018-03-14-DEC-asfiled-4898-0344PUS1#page1.tif source=2018-03-14-DEC-asfiled-4898-0344PUS1#page2.tif source=2018-03-14-DEC-asfiled-4898-0344PUS1#page3.tif

> PATENT REEL: 045599 FRAME: 0116

SN: 15/920,684

Filing date: March 14, 2018

Attorney Docket No. 4898-0344PUS1

BIRCH, STEWART, KOLASCH & BIRCH, LLP

P.O. Box 747 • Falls Church, Virginia 22040-0747 Telephone: (703) 205-8000 • Facsimile: (703) 205-8050 • Email: mailroom@bskb.com

DECLARATION AND ASSIGNMENT FOR PATENT AND DESIGN APPLICATIONS

UNITED STATES PATENT RIGHTS, OR UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS (MULTIPLE ASSIGNEES)

Title of Invention → HIGH-VOLTAGE DEVICE

		As a below named inventor (hereinafter designated as the undersigned), I hereby declare that:
		This declaration is directed to the application attached hereto.
Application not Attached	÷	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.	=>	United States Application Number or PCT International Appln. No.
Inter Filing Date	1=>	filed on
		The above-identified application was made or authorized to be made by me.
		I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
		I have reviewed and understand the contents of the above-identified application, including the claims.
		I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations \S 1.56.
		WHEREAS, the undersigned has invented certain new and useful improvements described in the application identified.
nsert Names f Assignees	ΞÞ	WHEREAS, [1] Mitsubishi Jidosha Engineering Kabushiki Kaisha; and [2] Mitsubishi Jidosha Kogyo Kabushiki Kaisha
		(hereinafter designated as Assignees)
nsert Addresses f Assignees	⇔	of [1] 1, Aza Nakashinkiri, Hashime-cho, Okazaki-shi, Aichi 444-8501, Japan; and [2] 33-8, Shiba 5-chome, Minato-ku, Tokyo 108-8410, Japan, respectively,
		their heirs, successors, legal representatives and assigns are desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and
heck Box if ppropriate	=>	in any foreign countries.

Fage 1

88KB-DEC-ASSIGN-MULTI (09-12)

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned has (have) sold, assigned and transferred, and by these presents does (do) sell, assign and transfer unto said Assignees the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries; and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted

in equal undivided amounts unless specific undivided amounts are listed below:

Ownership

Assignee 1 (____%); Assignee 2 (___%); Assignee 3 (___%).

The undersigned agree(s) 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 Assignees may deem necessary or expedient.

The undersigned agree(s) 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 Assignees in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) 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 agree(s) 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 Assignees and to vest all rights therein hereby conveyed to said Assignees 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 authorize(s) and request(s) 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 Assignees, as Assignees of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) 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 covenant(s) 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(s) opposite the undersigned name(s).

LEGAL	NAME	OF INV	VENTOR
TANA CALL VILL	T. C. S. S. S. S. S. S.		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

Diameter (Control of Control of C				. x / /		
Inventor's Name	⇒ Inventor:	Yoshio HIRAIWA	Date:	Feb	/ 28	/ 20/8
Inventor's Signature	⇒ Signature:	Yoshio Hiraiwa				X

An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use a separate form for each inventor; or check the box below and complete the attached page(s) to list additional inventors.

Additional inventors are being named on the 1 supplemental sheet(s) attached hereto.

Page 2

88KB-DEC-ASSIGN-MUUTI (09-12)

SUPPLEMENTAL SHEET FOR DECLARATION AND ASSIGNMENT

ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1

LEGAL NAME OF JOINT INVENTOR, IF ANY

Inventor's Name	⇒ Inventor:	Akihisa KATO	Date:	Feb/28/2018
Inventor's Signature	→ Signature:	Akihira kato	**************	
	LEGAL N.	AME OF JOINT INVENTOR, IF ANY		
Inventor's Name	inventor:	Akihiro KAGITANI	Date:	Feb/26/2018
Inventor's Signature	ې Signature:	Akhao Kayimus		
	LEGAL N.	AME OF JOINT INVENTOR, IF ANY		
Inventor's Name	⇔Inventor:	Kohei HIGASHITANI	Date:	Feb/26/2018
Inventor's Signature	⇒Signature:	Kehei Higushitari		
	LEGAL N.	AME OF JOINT INVENTOR, IF ANY		
Inventor's Name	⇒Inventor:	Naoki TANIGUCHI	Date:	Feb /26 / 2018
Inventor's Signature	⁴ Signature:	Naoki Tanigudi:		
	LEGAL NA	AME OF JOINT INVENTOR, IF ANY		
Inventor's Name	⇒Inventor:		Date:	
Inventor's Signature	⇔Signature.			
	LEGAL NA	AME OF JOINT INVENTOR, IF ANY		
Inventor's Name	[⇔] Inventor:		Date:	····
Inventor's Signature	⁴ Signature:			
	LEGAL NA	AME OF JOINT INVENTOR, IF ANY		
Inventor's Name	⇔inventor:		Date:	
Inventor's Signature	*Signature:			
	LEGAL NA	ME OF JOINT INVENTOR, IF ANY		
Inventor's Name	[⋄] Inventor:		Date:	ψ:
Inventor's Signature	⇒Signature:			

BIRCH, STEWART, KOLASCH & BIRCH, LLP

RECORDED: 03/14/2018

BSKB-SUPPL-SIGANTURES(09-12)

PATENT REEL: 045599 FRAME: 0119