503173893 02/10/2015 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3220508

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANC	CE: ASSIGNMENT	
CONVEYING PARTY DAT	ΓΑ	
	Name	Execution Date
HIROKI TAKEUCHI		10/28/2014
YUTAKA YOKOYAMA		10/28/2014
KUNIHARU TANAKA		10/28/2014
TAKESHI MITSUOKA		10/28/2014
TOSHITAKA HONDA		10/28/2014
HIROKAZU KURONO		10/28/2014
KATSUYA TAKAOKA		10/28/2014
HIRONORI UEGAKI		10/28/2014
RECEIVING PARTY DAT	Α	
Name:	NGK SPARK PLUG CO., LTD.	
Street Address:	14-18, TAKATSUJI-CHO, MIZUHO-KU	
City		

City:	NAGOYA-SHI, AICHI
State/Country:	JAPAN
Postal Code:	4678525

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14420819

CORRESPONDENCE DATA

Fax Number:	(202)293-7860
	the e-mail address first; if that is unsuccessful, it will be sent I; if that is unsuccessful, it will be sent via US Mail.
Phone:	2022937060
Email:	javiles@sughrue.com, sughrue@sughrue.com
Correspondent Name:	SUGHRUE MION, PLLC
Address Line 1:	2100 PENNSYLVANIA AVENUE NW
Address Line 4:	WASHINGTON, D.C. 20037
ATTORNEY DOCKET NUMBER:	Q215363
NAME OF SUBMITTER:	JUSTIN AVILES, NEW APPLICATIONS SPEC
SIGNATURE:	/Justin Aviles/

DATE SIGNED:	02/10/2015
Total Attachments: 4	
source=Q215363CombinedDeclarationa	IndAssignmentExecuted#page1.tif
source=Q215363CombinedDeclarationa	IndAssignmentExecuted#page2.tif
source=Q215363CombinedDeclarationa	IndAssignmentExecuted#page3.tif
source=Q215363CombinedDeclarationa	indAssignmentExecuted#page4.tif

Docket No.: Q215363 Only After Sept 16, 2012 US Rights Only

ASSIGNMENT WITH DECLARATION FOR PATENT APPLICATION (37 CFR 1.63)

特許出願宣言書付き譲渡書(37 CFR 1.63)

Japanese Language Assignment with Declaration

下記に署名した発明者であり、以下に譲渡人と称される私 (我々)は、下記の出願に記載された改良に関する発明を し、

______の____(譲受人)は、本件出願 および本件発明、ならびに当該出願から得られるいかなる米 国特許に関する全ての権利、権原、および利益の取得を要求 します。

よって、価値ある対価の受領をここに確認し、

上で譲渡大として指名された私(我々)は、米国における本 件出願およびその発明開示、全ての分割出願および継続出 願、これら出願について許可された米国特許証および全ての 再発行特許に関する全ての権利(35 USC 119 に基づく優先 権を主張する権利と過去分の損害賠償請求権を含む)、権 原、および利益を、上で指定した譲受人、その承継人ないし 権利承継者に売却、譲渡、移転するとともに、私(我々)は 米国特許商標庁長官に対し、本件出願に記載の発明に対する 特許証を、譲受人、その承継人ないし権利承継者に発行する ことを要請し、私(我々)は、これ以上の対価なしに、譲受 人の求めにより、本件米国特許出願に関して譲受人が必要と みなす全ての書類を作成します。

(公証人による認証は不要であるが、これらの書類は、35 USC 261 に基づく推定された証拠となる)

私は,下記に記載の発明者として,以下の通り宣言します。

本宣言付き譲渡書は、以下に関します。

→ 添付の出願書、または、

______年___月__日に出願された米国出願あるいは PCT 国際出願番号_____

本件出願の名称は、以下の通りです。

Whereas, I/We, the undersigned inventor(s) hereinafter called assignor(s), have invented certain improvements described in the application identified below; and

Whereas, NGK SPARK PLUG CO., LTD. of 14-18, Takatsujicho, Mizuho-ku, Nagoya-shi, Aichi, 4678525, 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/We, the above named assignor(s); hereby self, 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, including the right to claim priority under 35 USC 119 and the right to sue for past damages, and I/we 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/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

(Legalization not required for recording but is prima facile evidence of execution under 35 USC 261)

As the below named inventor, I hereby declare that:

This assignment with declaration is directed to:

- The attached application, or
- United States Application or PCT International Application Number <u>PCT/JP2013/004973</u> filed on <u>August 23, 2013</u>.

The application is entitled:

SPARK PLUG

Japanese Language Assignment with Declaration

上記に明示された出願は,私が作成した、または作成を許可 したものです。

私は、本件出顧において請求項に記載された発明の本来の発 明者、または、本来の共同発明者であると信じています。

私は、本宣言付き譲渡書の提出に関わる本件出願の内容を検 討し、理解しています。

私は、37 CFR 1.56 に定義されるように、自身が知る全ての 特許性に関する重要な情報を、米国特許商標庁に開示する義 務があることを認識しています。

私は、本宣言付き譲渡書において故意に虚偽の供述を行った 場合、18 USC 1001 に基づき、罰金あるいは 5 年以下の懲 役、または両方による処罰の対象となることを認識していま す。 The above identified application was made or was 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 application for which this assignment with declaration is being submitted.

1 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 assignment with declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

STATEMENT OF ACCURATE TRANSLATION IN ACCORDANCE WITH 37 CFR 1.69(b);

The assignment with declaration is an accurate translation of the corresponding English language assignment with declaration.

March 11, 2014

Date

Signature

Residence: Komaki-shi, Aichi, Japan Mailing Address:	Hiven Name (first and middle [if any])	Family Name or S	urname	
Bit October 28, 2014 Sifer Nive-gun, Aichi, Japan	G(名およびミドルネーム[該当する場合]) Hiroki	斑		TAKEUCHI
所: Nive-gun, Aichi, Japan aling Address: 20% NGK SPARK PLUG CO., LTD., 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan NF OF SECOND INVENTOR: 二の参照情系: New Signature 第二 の影響情系: NGROYAMA Vurilla Vurilla Vurilla (第二 との NGK SPARK PLUG CO., LTD., 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan ANK OF VITRD INVENTOR: 三の影響系系、 (Aichi, Japan aling Address: 第二 co NGK SPARK PLUG CO., LTD., 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan ANK OF VITRD INVENTOR: 三の影響系系、 (Aichi, Japan aling Address: 第二 co NGK SPARK PLUG CO., LTD., 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan ANK OF VITRD INVENTOR: 三の影響系系、 (Aichi, Japan aling Address: 第二 Co NGK SPARK PLUG CO., LTD., 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan ANK OF VITRD INVENTOR: 三の影響系系、 (Aichi, Japan aling Address: (法会 AIC FARA-ALIK) Sidence: 第二 Co NGK SPARK PLUG CO., LTD., 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan ANK OF FOURTH INVENTOR: (法会 AIC FARA-ALIK) (法会 AIC FARA-ALIK) (法会 AIC FARA-ALIK) (法会 AIC FARA-ALIK) NTSUOKA Panily Name of Sumane (法会 AIC FARA-ALIK) (法会 AIC FARA-ALIK) (AIC FARA-ALIK)	ventor's signature 明者の署名 Airopei Jakeuchi		1	October 28, 2014
aling Addess:	- 所 :			
AME OF SECOND INVENTOR: この発明者名: いたいの私の低行 Stat an aiddle [if any]) i (たおよびミドルネーム[該当する場合]) Yutaka wentor's signature Bif の OSA Utaka Sidence: Date Eff October 28, 2014 Eff October 28, 201	ailing Address:	katsuji-cho, Mizuho-ku,	Nagoya, Ai	chi, Japan
	AME OF SECOND INVENTOR:	<u>2022222</u> 2	3000000 Vinte 2 0000 v	*******
Inventor's signature Date Date Date 使用者の影響者 少球酸素加酸晶 Phytoganta Eff October 28, 2014 Kendence: Eff Komaki-shi, Aichi, Japan Komaki-shi, Aichi, Japan KAME OF THIRD INVENTOR: Eorostigata TANAKA Eorostigata: Kuniharu Mate or Sumare Kuniharu Kuniharu Mate or Sumare Keidence: Kuniharu TANAKA Date Eff or Sumare Date Eff or Sumare Kuniharu Mate or Sumare Keidence: Komaki-shi, Aichi, Japan Tanaku Keidence: Eff Cotober 28, 201 Keidence: Kuniharu Tanaku Keidence: Eff Cotober 28, 201 Keidence: Kuniharu Takeshi Koman-shi, Aichi, Japan Kuniharu Mitsubo-ku, Nagoya, Aichi, Japan Validay Address: Konan-shi, Aichi, Japan Mitsubo-ku, Nagoya, Aichi, Japan Kuilag Address: Kounan-shi, Aichi, Japan Mitsubo-ku, Nagoya, Aichi, Japan Kuilag Address: Kounan-shi, Aichi, Japan Mitsubo-ku, Nagoya, Aichi, Japan Kuilag Address: Kounan-shi, Aichi, Japan Mitsubo-ku, Nagoya, Aichi, Japan Kuilag Address: Kounan-shi, Aichi, Japan Mitsubo-ku, Nago	ら (名およびミドルネーム「該当する場合])		umame	νοκογάμα
Residence: カービリー EFF: Komaki-shi, Aichi, Japan Admig Address: 電子: c'o NGK SPARK PLUG CO., LTD., 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan VAME OF THIRD INVENTOR: 電子の使用者名: Numinaru Parada, Parada, Date 日本 October 28, 201 Kuniharu TANAKA Date 日本 October 28, 201 Kuniharu Citokaru, Tanada, Date 日本 October 28, 201 Kaidence: 本行: Komaki-shi, Aichi, Japan Maling Address: 電子: c'o NGK SPARK PLUG CO., LTD., 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan VAME OF FORTH INVENTOR: 第四つ発明者名: Neen Name (first and middle [if any]) 名 (名およびミドルネーム[該当する場合]) Takeshi MirSUOKA MirSUOKA MirSUOKA MirSUOKA MirSUOKA MirSUOKA MirSUOKA MirSUOKA MirSUOKA Maling Address: 電子: c'o NGK SPARK PLUG CO., LTD., 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan Miling Address: 電子: c'o NGK SPARK PLUG CO., LTD., 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan Miling Address: 電子: c'o NGK SPARK PLUG CO., LTD., 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan Maling Address: 電子: c'o NGK SPARK PLUG CO., LTD., 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan Maling Address: 電子: c'o NGK SPARK PLUG CO., LTD., 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan Maling Address: 電子: c'o NGK SPARK PLUG CO., LTD., 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan Maling Address: 電子: c'o NGK SPARK PLUG CO., LTD., 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan Maling Address: 電子: c'o NGK SPARK PLUG CO., LTD., 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan Maling Address: 電子: c'o NGK SPARK PLUG CO., LTD., 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan Maling Address: 電子: Conce Table Table Table Helt Cottober 28, 201 Residence: EFF: Nagoya-shi, Aichi, Japan Maling Address:	nventor's signature	I		
Walling Address: Co NGK SPARK PLUG CO, LTD., 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan VAME OF THIRD INVENTOR: ####################################	Residence:		1	
Co NGK SPARK PLUG CO., LTD., 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Atchi, Japan NAME OF THIRD INVENTOR: 第三の差明者名: Given Name (first and middle [if any]) 名 (名およびミドルネーム(該当する場合]) Kuniharu TANAKA TANAKA Date 世付 October 28, 201 Residence: 作所: Komaki-shi, Aichi, Japan Mailug Address: 第選先: Co NGK SPARK PLUG CO., LTD., 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan NAME OF FOURTH INVENTOR: 第回の発明者名: Given Name (first and middle [if any]) 名 (名およびミドルネーム(該当する場合]) Takeshi Inventor's signature 登場 October 28, 201 Residence: 住所: Kounan-shi, Aichi, Japan Mailing Address: 第送先: Co NGK SPARK PLUG CO., LTD., 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan MITSUOKA Bdf October 28, 201 Residence: 住所: Kounan-shi, Aichi, Japan Mailing Address: 第送先: Co NGK SPARK PLUG CO., LTD., 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan NAME OF FIFTH INVENTOR: 第述: Co NGK SPARK PLUG CO., LTD., 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan NAME OF FIFTH INVENTOR: 第述方の差明素名: Given Name (first and middle [if any]) 名 (名およびミドルネーム(該当する場合]) Toshitaka Inventor's signature 愛明者の習名 Joshitaka Inventor's signature 愛明者の習名 Joshitaka Inventor's signature 愛明者の習名 Residence: 住所: Nagoya-shi, Aichi, Japan Mailing Address: Maing Address: Maing Address:	Komaki-shi, Aichi, Japan Mailing Address: 解浴子子			
RE この発明者名: Read Start Control of Start	c/o NGK SPARK PLUG CO., LTD., 14-18, Ta	katsuji-cho, Mizuho-ku,	Nagoya, Ai	chi, Japan
the start ロミドルネーム(該当する場合)) Kuniharu the start ロション (該当する場合)) Kuniharu the start of a signature the start of a signature the start of a start				
性 TANAKA Numinary 姓 TANAKA Numinary TANAKA Numinary TANAKA Numinary TANAKA Numinary Tanaka U Date Eff October 28, 201 Esidence: Eff: Komaki-shi, Aichi, Japan Malling Address: ###################################			lurname	
With Stand 単村 October 28, 201 Reinforgen Lunihatu, Janah, 単村 October 28, 201 Residence: ### Cotober 28, 201 Residence: ### ### Milling Address: ### OF FOURTH INVENTOR: ### ##In ORG SPARK PLUG CO., LTD., 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan XAME OF FOURTH INVENTOR: ### ##In ORG Signature ## & (Azi US KULAA [BSH + 5 #6]) Takeshi Inventor's signature ## @Hf October 28, 201 Residence: ## @Eff Kounan-shi, Aichi, Japan Mailing Address: ## ## O RGK SPARK PLUG CO., LTD., 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan Mailing Address: ## ## O RGK SPARK PLUG CO., LTD., 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan NAME OF FIFTH INVENTOR: ## ## O RGK SPARK PLUG CO., LTD., 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan NAME OF FIFTH INVENTOR: ## ## O RGH ## HONDA Inventor's signature # @ (Azi LU KU-A	名(名およびミドルネーム[該当する場合]) Kuniharu	姓	F*t	TANAKA
キデ: Komaki-shi, Aichi, Japan Mailing Address: PS先: c/o NGK SPARK PLUG CO., LTD., 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan NAME OF FOURTH INVENTOR: 範囲の発明者名: Siven Name (first and middle [if any]) 名 (名およびミドルネーム[該当する場合]) Takeshi Pamily Name or Sumame 姓 MITSUOKA Date 目付 October 28, 201 Residence: 注所: Kounan-shi, Aichi, Japan Mailing Address: 第五の発明者名: Given Name (first and middle [if any]) 名 (名およびミドルネーム[該当する場合]) NAME OF FIFTH INVENTOR: 第五の発明者名: Given Name (first and middle [if any]) 名 (名およびミドルネーム[該当する場合]) Toshitaka Inventor's signature 差明者の習名 John Takeshi Mailing Address: Residence: 注所: Nagoya-shi, Aichi, Japan Mailing Address: Pamily Name or Sumame 姓 HONDA HONDA	Elizanaka Kuniharu Janaka			October 28, 2014
Mailing Address: mš先: c/o NGK SPARK PLUG CO., LTD., 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan NAME OF FOURTH INVENTOR: 第四の発明者名: Given Name (first and middle [if any]) 名 (名およびミドルネーム[該当する場合]) Takeshi Inventor's signature 差明者の署名 MITSUOKA Date 目付 October 28, 201 Mailing Address: mš先: c/o NGK SPARK PLUG CO., LTD., 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan Mailing Address: mš先: c/o NGK SPARK PLUG CO., LTD., 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan NAME OF FIFTH INVENTOR: 第五の落明者名: Given Name (first and middle [if any]) 名 (名およびミドルネーム[該当する場合]) Toshitaka Inventor's signature 差明者の署名 John Takea John Add Residence: 住所: Nagoya-shi, Aichi, Japan Mailing Address: magoya-shi, Aichi, Japan Mailing Address: magoya-shi, Aichi, Japan	学所:			
NAME OF FOURTH INVENTOR: 第四の発明者名: Sitven Name (first and middle [if any]) 名(名およびミドルネーム[該当する場合]) Takeshi Inventor's signature 後期者の署名 Kounan-shi, Aichi, Japan Mailing Address: 電送先: C/o NGK SPARK PLUG CO., LTD., 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan NAME OF FIFTH INVENTOR: 第五の発明者名: Civen Name (first and middle [if any]) 名(名およびミドルネーム[該当する場合]) Inventor's signature 発明者の署名 John Takes Toshitaka Inventor's signature 発明者の署名 John Takes MITSUOKA MITSUOKA Date 日付 October 28, 201 Pamily Name or Surname 姓 HONDA Date 日付 October 28, 201 Cotober 2	Mailing Address: 新学生。	akatsuii-cho Mizuho-ku	Nagova A	ichi. Japan
名 (名およびミドルネーム[該当する場合]) Takeshi 姓 MITSUOKA Date 日付 October 28, 201 Residence: 住所: Kounan-shi, Aichi, Japan Mailing Address: 郵送先: c/o NGK SPARK PLUG CO., LTD., 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan NAME OF FIFTH INVENTOR: 第五の発明者名: Given Name (first and middle [if any]) 名 (名およびミドルネーム[該当する場合]) Toshitaka Inventor's signature 差明者の署名 John Takea Honda Residence: 住所: Nagoya-shi, Aichi, Japan Mailing Address: @WALL	NAME OF FOURTH INVENTOR:			
Takeshi MilSOKA 発明者の署名 Jakashi Milsovaka Date 発明者の署名 Jakashi Milsovaka Date 住所: Kounan-shi, Aichi, Japan Milsovaka Mailing Address: 郵送先: c/o NGK SPARK PLUG CO., LTD., 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan NAME OF FIFTH INVENTOR: 第五の発明者名: Given Name (first and middle [if any]) Family Name or Surname 名 (名およびミドルネーム[該当する場合]) Toshitaka Inventor's signature Jachitaka Mondul 発明者の署名 Jachitaka Mondul Edf October 28, 201 Residence: Eff 住所: Nagoya-shi, Aichi, Japan			Surname	
Residence: 住所: Kounan-shi, Aichi, Japan Mailing Address: 郵送先: c/o NGK SPARK PLUG CO., LTD., 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan NAME OF FIFTH INVENTOR: 第五の発明者名: Given Name (first and middle [if any]) 名 (名およびミドルネーム[該当する場合]) Toshitaka Inventor's signature 発明者の署名 Residence: 住所: Nagoya-shi, Aichi, Japan Mailing Address: arither to a state of the	Takeshi	^^^	Doto	MITSUOKA
住所: Kounan-shi, Aichi, Japan Mailing Address: 郵送先: c/o NGK SPARK PLUG CO., LTD., 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan NAME OF FIFTH INVENTOR: 第五の発明者名: Given Name (first and middle [if any]) 名 (名およびミドルネーム[該当する場合]) Inventor's signature 発明者の署名 Johntaka Mondal Edit Residence: 住所: Nagoya-shi, Aichi, Japan Mailing Address: ###################################	発明者の署名 Cabesha Mits	woka		October 28, 2014
Mailing Address: 郵送先: C/O NGK SPARK PLUG CO., LTD., 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan NAME OF FIFTH INVENTOR: 第五の発明者名: Given Name (first and middle [if any]) 名 (名およびミドルネーム[該当する場合]) Toshitaka Inventor's signature 発明者の署名 Residence: 住所: Nagoya-shi, Aichi, Japan Mailing Address: #WYHA	住所:			
c/o NGK SPARK PLOG CO., LTD., 14-18, Takatsujt-cho, Mizuho-ku, Nagoya, Aichi, Japan NAME OF FIFTH INVENTOR: 第五の発明者名: Given Name (first and middle [if any]) 名 (名およびミドルネーム[該当する場合]) Toshitaka Inventor's signature 発明者の署名 Residence: 住所: Nagoya-shi, Aichi, Japan Mailing Address: #2000 - 20000 - 2000 -	Mailing Address:			
第五の発明者名: Given Name (first and middle [if any]) 名 (名およびミドルネーム[該当する場合]) Inventor's signature 発明者の署名 Residence: 住所: Nagoya-shi, Aichi, Japan Mailing Address: 報道生・	¢/0 NGK SPARK PLUG CO., LTD., 14-18, 12	akatsuji-cho, Mizuho-ku,	Nagoya, A	ichi, Japan
名 (名およびミドルネーム[該当する場合]) Inventor's signature 発明者の署名 Residence: 住所: Nagoya-shi, Aichi, Japan Mailing Address: 報道生・				
名 (名およびミドルネーム[該当する場合]) Inventor's signature 発明者の署名 Residence: 住所: Nagoya-shi, Aichi, Japan Mailing Address: 郵送告:			Surname	
ARTINA 5 15 Januar 発明者の署名 Lochitaka Honda 目付 October 28, 201 住所: Nagoya-shi, Aichi, Japan Mailing Address: 報道法	名 (名およびミドルネーム[該当する場合])	姓		HONDA
Residence: 住河: Nagoya-shi, Aichi, Japan Mailing Address: 爾爾爾爾爾爾爾爾爾爾爾爾爾爾爾爾爾爾爾爾爾爾爾爾爾爾爾爾爾爾爾爾爾爾爾	Inventor's signature 発明者の署名 Joshitaka 740me	da	1	October 28, 2014
Mailing Address: 郵送生	住所:			
c/o NGK SPARK PLUG CO., LTD., 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan	Mailing Address:			
	c/o NGK SPARK PLUG CO., LTD., 14-18, T	akatsuji-cho, Mizuho-ku	, Nagoya, A	ichi, Japan

[Page 3]

REEL: 034931 FRAME: 0882

Family Name or Surname	
KURONO Date 戶付 October 28, 'akatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan Yakatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan	
UG- Eff October 28, akatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan Family Name or Surname 姓 TAKAOKA Date 日付 October 28, akatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan Family Name or Surname 姓 UEGAKI Date	
'akatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan Family Name or Surname 姓 TAKAOKA Date 日付 October 28, 'akatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan Family Name or Surname 姓 UEGAKI Date UEGAKI	2014
Family Name or Surname 姓 TAKAOKA Date 日付 October 28,	2014
Family Name or Surname 姓 TAKAOKA Date 日付 October 28,	2014
姓 TAKAOKA Date 日付 October 28, Cakatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan Family Name or Surname 姓 UEGAKI Date	2014
Date 日付 October 28, Yakatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan Family Name or Surname 姓 UEGAKI Date	2014
`akatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan Family Name or Surname 娃 UEGAKI Date	2012
Family Name or Surname 姓 UEGAKI Date	
Family Name or Surname 姓 UEGAKI Date	
性 UEGAKI Date	
性 UEGAKI Date	
Date	
	2014
akatsuji-cho, Mizuho-ku, Nagoya, Alchi, Japan	
PATENT	
	<u>`akatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan</u>

RECORDED: 02/10/2015