### 502675139 02/11/2014

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2721746

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
HIROFUMI WATANABE	01/14/2014
DAISUKE YASUKAWA	01/14/2014
KAZUHIKO NAKANO	01/14/2014

### **RECEIVING PARTY DATA**

Name:	HITACHI AUTOMOTIVE SYSTEMS, LTD.
Street Address:	2520, TAKABA
City:	HITACHINAKA-SHI, IBARAKI
State/Country:	JAPAN
Postal Code:	312-8503

### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14177349

### **CORRESPONDENCE DATA**

 Fax Number:
 (202)628-8844

 Phone:
 2026242500

 Email:
 dwiezik@crowell.com

Correspondence will be sent via US Mail when the email attempt is unsuccessful.

Correspondent Name: CROWELL & MORING LLP

Address Line 1: 1001 PENNSYLVANIA AVENUE, N.W.

Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20004

ATTORNEY DOCKET NUMBER:	105729.66290US
NAME OF SUBMITTER:	MICHAEL H. JACOBS
Signature:	/Michael H. Jacobs/
Date:	02/11/2014 DATENT

502675139 REEL: 032239 FRAME: 0661

This document serves as an Oath/Declaration (37 CFR 1.63).

### Total Attachments: 3

source=66290US\_Assignment\_Declaration#page1.tif

source=66290US\_Assignment\_Declaration#page2.tif

source=66290US\_Assignment\_Declaration#page3.tif

PATENT REEL: 032239 FRAME: 0662

Attorney Docket No U.S. Rights
ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63 (For Use with Signed Application Data Sheet)
Title of Invention:
This assignment and declaration are directed to (check one):  the attached application;  the application identified by the attorney docket no. and title of invention given above;  United States Application or PCT International Application No, filed
ASSIGNMENT
For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a belownamed inventor I have sold and assigned, and by these presents hereby sell and assign, unto:
Name of Assignee:
Address of Assignee:
(hereinafter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.
I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.
I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.
I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns, or to assist said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Letters Patent of the United States for said invention.
DECLARATION
As a below-named inventor, I hereby declare that:  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 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.
Signature:

# 弁護士訴訟摘要番号 米国内での権利

37 C.F.R. § 1.63 に基づく譲渡証と宣誓書 (署名済み申請データシートとの併用)

PI3JEX 006 U FATENT PATENT REEL: 032239 FRAME:

0663

発明の名称: BRAKE CONTROL APPARATUS

本譲渡証と宣誓書は以下のものを対象とする。 (ひとし選択):

添付されている出願書

上記弁護士訴訟摘要番号と発明の名称によって特定された出願書;

(日付) に出願された米国出願あるいは PCT 国際出願番号

十分な物品、価値のある対価の受け取りがあったことを認め、私は以下記載の発明者として、「ぶ)へ、つぎのものを売却、議与したが、本契約により、その売却、議与を正式なものとする。 下記 (以下譲受人とよ

### 譲受人の名前: HITACHI AUTOMOTIVE SYSTEMS, LTD.

# 譲受人の住所: 2520, Takaba, Hitachinaka-shi, Ibaraki 312-8503 Japan

その内容は本件発明と米国出願に関する、米国とその領域内におけるすべての私の権利、所有権、利権、そして所有物であり、その後発生するすべての分割、本出願おるいは本件発明の継続、以後認可されるすべての米国特許状、そして以後の再発行、延長も含む。この契約は、この譲渡遂行がなければ私が保持、亨有したであろう同じ内容をもって、その後認可されるすべての特許状の満期までその条件が、後継者または受取人である譲受人によってすべて完全に、その後認可されるすべての特許状の満期までその条件が、後継者または受取人である譲受人によってすべて完全に、その後認可されるすべての特許状の満期までその条件が、後継者または受取人である譲受人によってすべて完全に に保持、享有されるものとする。

私は、米国特許商標庁長官に本件発明のどんな特許状でもそのすべてを、譲渡証の条件に基づき後継者または受取人 である譲受人に発行することを認可し依頼する。

処理していないし、今後処理することはないと保証し契約する。 私の有する完全で制限のない利権売却、譲与の権利を、売却、譲与し、これと矛盾する書類、証書はいっさい

の合法的宣誓をし、あらゆる法的手続きで証言し、その他すべての法的措置を遂行する。これにはその後発生する分割、継続、そして以後認可されるすべての特許状、そして以後の再発行、延長も含む。また後継者、法的代理人また 私は、本契約でさらにつぎのことを契約し同意する。私は本発明あるいは特許出願に関し私の知っているすべての情報を、後継者、法的代理人または受取人である譲受人に連絡し、後継者、法的代理人または受取人である譲受人が本件発明と出願の権原を完全なものにする上で必要あるいは好ましいと思われるすべての書類を処理、配達し、すべて(予ジー) は受取人である譲受人を支援し、本発明の米国特許の獲得、再発行あるいは執行の順守に協力する。

### 宣誓書

下記発明者である私は、次の事柄を宣誓する:

上記の出願は私自身、あるいは私が権限を授与した者によって行われたものである。

私は本件の特許請求の元の発明者あるいは共同発明者である。

私はこの宣誓書における故意の虚偽記載は、18U.S.C. 1001に基づき罰金あるいは最高5年の禁固刑、あるいはその 両方による罰則の対象となることを承知する。

発明者:	署名:
Hirofumi WATANABE	Kerofuni Utomaly.
目付	01/14/2018

Inventor:

DATE

IX

Sionalure	Sions
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.	I here § 100
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.	I beli
The above-identified application was made or authorized to be made by me.	The a
As a below-named inventor, I hereby declare that:	As a
DECLARATION	
I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns, or to assist said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Letters Patent of the United States for said invention.	I furt assign delive deem to sai Paten succe reissu
I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.	I war assig
I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.	I here Lette
(hereinafter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.	(here to the conti- appli said . Paten been
Address of Assignee:	Addı
For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a below-named inventor I have sold and assigned, and by these presents hereby sell and assign, unto:  Name of Assignee:	For g name Nam
ASSIGNMENT	
This assignment and declaration are directed to (check one):  the attached application; the application identified by the attorney docket no. and title of invention given above; United States Application or PCT International Application No filed	This
Title of Invention:	Title
ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63 (For Use with Signed Application Data Sheet)	
Attorney Docket No U.S. Rights	Atto

弁護士訴訟摘要番号

米国内での権利

### 37 C.F.R. § 1.63 に基づく譲渡証と宣誓書 (署名済み申請データシートとの併用)

BRAKE CONTROL APPARATUS

発明の名称:

PIBJEX006

REEL: 032239 FRAME: 0664

上記弁護士訴訟摘要番号と発明の名称によって特定された出願書;

(日付) に出願された米国出願あるいはPCT国際出願番号

### 譲渡証

十分な物品、価値のある対価の受け取りがあったことを認め、私は以下記載の発明者として、下記(以下譲受人とよぶ)へ、つぎのものを売却、譲与したが、本契約により、その売却、譲与を正式なものとする。

### 譲受人の名前: HITACHI AUTOMOTIVE SYSTEMS, LTD.

# 譲受人の住所: 2520, Takaba, Hitachinaka-shi, Ibaraki 312-8503 Japan

して以後の再発行、延長も含む。この契約は、この譲渡遂行がなければ私が保持、亨有したであろう同じ内容をもって、その後認可されるすべての特許状の満期までその条件が、後継者または受取人である譲受人によってすべて完全 物であり、その後発生するすべての分割、本出願あるいは本件発明の継続、以後認可されるすべての米国特許状、そ その内容は本件発明と米国出願に関する、米国とその領域内におけるすべての私の権利、所有権、利権、そして所有 に保持、享有されるものとする。

私は、米国特許商標庁長官に本件発明のどんな特許状でもそのすべてを、譲渡証の条件に基づき後継者または受取人 である職受人に発行することを認可し依頼する。

私は、私の有する完全で制限のない利権売却、譲与の権利を、売却、譲与し、これと矛盾する書類、証書はいっさい 処理していないし、今後処理することはないと保証し契約する。

は受取人である譲受人を支援し、本発明の米国特許の獲得、再発行あるいは執行の順守に協力する。 の合法的宣誓をし、あらゆる法的手続きで証言し、その他すべての法的措置を遂行する。これにはその後発生する分割、継続、そして以後認可されるすべての特許状、そして以後の再発行、延長も含む。また後継者、法的代理人また 報を、後継者、法的代理人または受取人である譲受人に連絡し、後継者、法的代理人または受取人である譲受人が本 私は、本契約でさらにつぎのことを契約し同意する。私は本発明あるいは特許出願に関し私の知っているすべての情 件発明と出願の権原を完全なものにする上で必要あるいは好ましいと思われるすべての書類を処理、配達し、すべて

下記発明者である私は、次の事柄を宣誓する:

上記の出願は私自身、あるいは私が権限を授与した者によって行われたものである。

私は本件の特許請求の元の発明者あるいは共同発明者である。

私はこの宣誓書における故意の虚偽記載は、18 U.S.C. 1001 に基づき罰金あるいは最高 5 年の禁固刑、あるいはその 両方による罰則の対象となることを承知する。

署名: **発明者:** 

DATE

Inventor:

Daisuke YASUKAWA

日付

I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns, or to assist said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Letters Patent of the United States for said invention.	I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.	I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.	(hereinafter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.	Address of Assignee:	Name of Assignee:	For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a below-named inventor I have sold and assigned, and by these presents hereby sell and assign, unto:	ASSIGNMENT	This assignment and declaration are directed to (check one):  the attached application; the application identified by the attorney docket no. and title of invention given above; United States Application or PCT International Application No, filed	Title of Invention:
As a below-named inventor, I hereby declare that:  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 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.	I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Letters Patent of the United States for said invention.  **DECLARATION**  As a below-named inventor, I hereby declare that:  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 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.	I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.  I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or assigns, or to assist said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Letters Patent of the United States for said invention.  DECLARATION  As a below-named inventor, I hereby declare that:  The above-identified application was made or authorized to be made by mc.  I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.  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.	I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.  I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.  I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or assigns, or to assist said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Letters Patent of the United States for said invention.  **DECLARATION**  As a below-named inventor, I hereby declare that:  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 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.	(hereinafter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.  I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.  I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.  I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessors or assigns, to said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention or patent application and that I will execute and deliver any papers, or assigns, or to said assigns and ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, legal representatives, or assigns in obtaining reissue	(Increinafter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.  I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns to accordance herewith.  I warrant and covenant that I have not executed and will not execute any document or instrument in conflict herewith.  I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful adait, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or theroon, including reissues or extensions, in said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or theroon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or beginning in obtaining, or enforcing Letters Patent to fit to LA	Name of Assignee:  Address of Assignee:  (hereinafter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.  I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.  I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent to the treatment and communicates to said invention, or assigns in obtaining, reissues or extensions, in said ASSIGNEE, its successors, legal representatives, or	For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a belownamed inventor I have sold and assigned, and by these presents hereby sell and assign, unto:  Name of Assignee:  Address of Assignee:  (hereinafter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions in and to the above-identified invention and United States patent of the United States that may issue on any such application or for said invention, including any and all retissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.  I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.  I warrant and covenant that I have the full and unencumbered right to sell and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.  I warrant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will avail assigned and that I have not executed and will not execute any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application was made or authorized to be made by me.  I hereby acknowledge that any willful false statement made in winstor of a claimed invention in the appl	ASSIGNMENT  For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a belownamed inventor I have sold and assigned, and by these presents hereby sell and assign, unto:  Name of Assignee:  Address of Assignee:  (thereinafter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions in and continuations thereof, and in and to any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all refessues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.  I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said and sasigned and that I have not executed and will not execute any document or instrument in conflict herewith.  I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application and papers and papers and advantage and performs all other lawful acts successors, legal representatives, or assigns to befree title to said invention, to said application including divisions and continuations thereof and to any and all Letters patent of the United States for said invention.  DECLARA	This assignment and declaration are directed to (check one):    the attached application, the traceipt and sufficiency of which are hereby acknowledged, as a below-manned inventor I have sold and assigned, and by these presents hereby sell and assign, unto:    Name of Assignee:   Address of Assignee  Assignee  Address of Assignee  Assigne
As a below-named inventor, I hereby declare that:  The above-identified application was made or authorized to be made by mc.  I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.	I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns, or to assist said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Letters Patent of the United States for said invention.  **DECLARATION**  As a below-named inventor, I hereby declare that:  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 warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.  I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Letters Patent of the United States for said invention.  DECLARATION  As a below-named inventor, I hereby declare that:  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 hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.  I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.  I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns, or to assist said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Letters Patent of the United States for said invention.  **DECLARATION**  As a below-named inventor, I hereby declare that:  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.	(hereinafter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.  I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.  I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.  I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Letters Patent of the United States for said invention.  DECLARATION  As a below-named inventor, I hereby declare that:  The above-identified application included givention and the	(hereinafter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.  I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.  I warrant and covenant that I have not executed and will not execute any document or instrument in conflict herewith.  I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, be said assign in obtaining, reissuing, or enforcing Letters Patent of the United States for said invention.  DECLARATION  As a below-named inventor or an original joint inventor of a claimed invention in the application.	Address of Assignee:  Address of Assignee:  (hereinafter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all retistues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.  I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.  I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.  I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Letters Patent of the United States for said invention.  DECLARATION  As a below-named inventor or an original joint inventor of a claimed inventio	For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a below-named inventor I have sold and assigned, and by these presents hereby sell and assign, unto:  Name of Assignee:  Address of Assignee:  Adsigned and all cicked and enjoyed by me had this Assignment not been made.  Intereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said Assignee that I have not executed and will not execute any document or instrument in conflict herewith.  I further covenant and agree that I will communicate to said Assignee and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said Assignee; assign and confine and that I will execute and deliver any papers, made all Letter	For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a belownamed inventor I have sold and assigned, and by these presents hereby sell and assign, unto:  Name of Assignee:  Address of Assignee:  Address of Assignee:  (hereinafter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all relissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.  I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.  I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissues or extensions, in said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissues or extensions, in	This assignment and declaration are directed to (check one):  the attached application; the application identified by the attorney docket no. and title of invention given above; the application identified by the attorney docket no. and title of invention given above; the application of PCT International Application No
As a below-named inventor, I hereby declare that:  The above-identified application was made or authorized to be made by me.	I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns, or to assist said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Letters Patent of the United States for said invention.  **DECLARATION**  As a below-named inventor, I hereby declare that:  The above-identified application was made or authorized to be made by me.	I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.  I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Letters Patent of the United States for said invention.  DECLARATION  As a below-named inventor, I hereby declare that:  The above-identified application was made or authorized to be made by me.	I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.  I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.  I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Letters Patent of the United States for said invention.  **DECLARATION**  As a below-named inventor, I hereby declare that:  The above-identified application was made or authorized to be made by me.	(hereinafter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.  I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.  I warrant and covenant that I have not executed and will not execute any document or instrument in conflict herewith.  I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent of the United States for said invention, in said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissues or extensions, in said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, or enforcing Letters Patent of the United States for said invention.  DECLARATION  As a below-named inventor, I hereby declare that:	(hereinafter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.  I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.  I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.  I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or to assist said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, and active the content of the United States for said invention.  DECLARATION  DECLARATION	Address of Assignee:  Address of Assignee:  Address of Assignee:  (hereinafter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all retissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.  I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.  I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.  I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, legal representatives, or assigns in obtaining reissues or extensions, in said ASSIGNEE, its successors, legal representatives, or assigns in obtaining reissue or extensions, in said ASS	For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a below-named inventor I have sold and assigned, and by these presents hereby sell and assign, unto:  Name of Assignee:  Address of Assignee:  (hereinalter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions in and to the above-identified invention, including any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all Letters Patent for the United States that may issue on any such application or for said invention, including any and all Letters for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.  I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns to the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.  I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns to prefect title to said invention, to said application including to said invention or patern application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to prefect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, legal representatives,	For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a belownamed inventor I have sold and assigned, and by these presents hereby sell and assign, unto:  Name of Assignee:  Address of Assignee:  Address of Assignee:  Address of Assignee:  (hereinafter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions in and to the above-identified invention, including any and all Letters Patent application, including any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all relies see or extensions thereof, to be held and erijoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.  I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.  I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.  I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, legal repre	This assignment and decilaration are directed to (check one):  the attached application; the attorney docket no. and title of invention given above; the attached application identified by the attorney docket no. and title of invention given above; the application identified by the attorney docket no. and title of invention given above; the application of PCT International Application No, filed  For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a belownamed inventor I have sold and assigned, and by these presents hereby sell and assign, unto:  Name of Assignee:  Address of Assignee:  (hereinafter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions in and to the above-identified invention, including any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.  I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.  I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, l
<u>DECLARATION</u> As a below-named inventor, I hereby declare that:	I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns, or to assist said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Letters Patent of the United States for said invention.  **DECLARATION**  DECLARATION**  As a below-named inventor, I hereby declare that:	I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.  I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns, or to assigns or to assist said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Letters Patent of the United States for said invention.  DECLARATION  As a below-named inventor, I hereby declare that:	I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.  I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.  I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Letters Patent of the United States for said invention.  DECLARATION  As a below-named inventor, I hereby declare that:	(hereinafter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.  I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.  I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.  I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissue in the proceedings of the United States for said invention.  DECLARATION	(hereinafter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.  I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.  I warrant and covenant that I have not executed and will not execute any document or instrument in conflict herewith.  I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, or enforcing Letters Patent of the United States for said invention.  DECLARATION	Address of Assignee:  Address of Assignee:  (hereinafter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.  I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.  I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.  I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissues or extensions, or enforcing Letters Patent of the United States for said invention.  DECLARATION	For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a below-named inventor I have sold and assigned, and by these presents hereby sell and assign, unto:  Name of Assignee:  Address of Assignee:  Address of Assignee:  (hereinafter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.  I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.  I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Letters Patent of the United States for said invention.  DECLARATION	For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a belownamed inventor I have sold and assigned, and by these presents hereby sell and assign, unto:  Name of Assignee:  Address of Assignee:  (hereinafter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.  I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.  I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.  I warrant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissu	This assignment and declaration are directed to (check one):  the attached application; the application identified by the attorney docket no. and title of invention given above; the application identified by the attorney docket no. and title of invention given above; the application of PCT International Application No
<u>DECLARATION</u>	I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns, or to assist said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Letters Patent of the United States for said invention.  DECLARATION	I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.  I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns, or to assist said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Letters Patent of the United States for said invention.  DECLARATION	I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.  I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.  I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Letters Patent of the United States for said invention.  DECLARATION	(hereinafter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.  I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.  I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.  I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Letters Patent of the United States for said invention.  DECLARATION	(hereinafter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.  I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.  I warrant and covenant that I have not executed and will not execute any document or instrument in conflict herewith.  I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Letters Patent of the United States for said invention.  DECLARATION	Address of Assignee:  (hereinafter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.  I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.  I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.  I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Letters Patent of the United States for said invention.  DECLARATION	For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a below-named inventor I have sold and assigned, and by these presents hereby sell and assign, unto:  Name of Assignee:  Address of Assignee:  Address of Assignee:  (hereinafter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent any be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.  I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.  I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.  I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Letters Patent of the United States for said invention.  DECLARATION	For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a belownamed inventor I have sold and assigned, and by these presents hereby sell and assign, unto:  Name of Assignee:  Address of Assignee:  (hereinafter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all retissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.  I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.  I warrant and covenant that I have not executed and will not execute any document or instrument in conflict herewith.  I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent of the United States for said invention.  DECLARATION	This assignment and declaration are directed to (check one):  the application; the application; the application identified by the attorney docket no. and title of invention given above; United States Application or PCT International Application No filed  ASSIGNMENT  For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a belownamed inventor I have sold and assigned, and by these presents hereby sell and assign, unto:  Name of Assignee:  Address of Assignee:  Address of Assignee:  (Inceinafter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions in and to the above-identified invention and United States pattent application, including any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all retissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.  I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.  I warrant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or rheoreon, including reisuase sor extensions, in said ASSIGNEE, its successors, legal repr
	I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns, or to assist said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Letters Patent of the United States for said invention.	I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith. I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Letters Patent of the United States for said invention.	I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.  I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.  I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reussuing, or enforcing Letters Patent of the United States for said invention.	(hereinafter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions in and to the above-identified invention and United States patent application, including any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.  I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.  I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.  I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or assigns or to assigns of the United States for said invention.	(hereinafter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.  I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.  I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.  I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissueing, or enforcing Letters Patent of the United States for said invention.	Address of Assignee:  (hereinafter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.  I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.  I warrant and covenant that I have not executed and will not execute any document or instrument in conflict herewith.  I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Letters Patent of the United States for said invention.	For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a below-named inventor I have sold and assigned, and by these presents hereby sell and assign, unto:  Name of Assignee:  Address of Assignee:  Address of Assignee:  (hereinafter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.  I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.  I warrant and covenant that I have not executed and will not execute any document or instrument in conflict herewith.  I warrant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including divisions and continuations thereof and to any and all Letters successors, legal representatives, or assigns in obtaining, reissusus or extensions, in said ASS	For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a belownamed inventor I have sold and assigned, and by these presents hereby sell and assign, unto:  Name of Assignee:  Address of Assignee:  (hereinafter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.  I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns the interests herein sold and assigned and that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not execute and will not execute any document or instrument in conflict herewith.  I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, legal represent	This assignment and declaration are directed to (check one):  the application; the application; the prication of PCT International Application No filed  ASSIGNMENT   ASSIGNMENT  For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a belownamed inventor I have sold and assigned, and by these presents hereby sell and assign, unto:  Name of Assignee:  Address of Assignee:  (hereinafter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full and of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.  I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent that be granted and will not execute any document or instrument in conflict herewith.  I warrant and covenant that I have not executed and will not execute any document or instrument in conflict herewith.  I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefore or thereon, including

弁護士訴訟摘要番号

U.S. Rights

Attorney Docket No.

ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63 (For Use with Signed Application Data Sheet)

### 37 C.F.R. § 1.63 に基づく譲渡証と宣誓書 (署名済み申請データシートとの併用)

発明の名称:

盟		
BRAKE CONTROL APPARATUS		
A		
റ്റ		
Ž		
Ŕ		
Ĕ		
ş		
Ž		
ŝ		
Ξ		
S		

		$\boxtimes$	下被被
<u>(日付)</u> に出願された米国出願あるいは PCT 国際出	上記弁護士訴訟摘要番号と発明の名称によって特定さ	添付されている出願書;	▼譲渡趾と宣誓書は以下のものを対象とする。 (ひとつ選択):

上記弁護士訴訟摘要番号と発明の名称によって特定された出願書;

(日付) に出願された米国出願あるいは PCT 国際出願番号

十分な物品、価値のある対価の受け取りがあったことを認め、私は以下記載の発明者として、下記(以下譲受人とよぶ)へ、つぎのものを売却、譲与したが、本契約により、その売却、譲与を正式なものとする。

### 議受人の名前: HITACHI AUTOMOTIVE SYSTEMS, LTD.

# 譲受人の住所: 2520, Takaba, Hitachinaka-shi, Ibaraki 312-8503 Japan

物であり、その後発生するすべての分割、本出願あるいは本件発明の継続、以後認可されるすべての米国特許状、そして以後の再発行、延長も含む。この契約は、この譲渡遂行がなければ私が保持、亨有したであろう同じ内容をもって、その後認可されるすべての特許状の満期までその条件が、後継者または受取人である譲受人によってすべて完全 その内容は本件発明と米国出願に関する、米国とその領域内におけるすべての私の権利、所有権、利権、そして所有 に保持、享有されるものとする。

私は、米国特許商標庁長官に本件発明のどんな特許状でもそのすべてを、譲渡証の条件に基づき後継者または受取人 である藤受人に発行することを認可し依頼する。

処理していないし、今後処理することはないと保証し契約する。 私は、私の有する完全で制限のない利権売却、譲与の権利を、売却、譲与し、これと矛盾する書類、証書はいっさい

の合法的宣誓をし、あらゆる法的手続きで証言し、その他すべての法的措置を遂行する。これにはその後発生する分割、継続、そして以後認可されるすべての特許状、そして以後の再発行、延長も含む。また後継者、法的代理人また 私は、本契約でさらにつぎのことを契約し同意する。私は本発明あるいは特許出願に関し私の知っているすべての情報を、後継者、法的代理人または受取人である譲受人に連絡し、後継者、法的代理人または受取人である譲受人が本件発明と出願の権原を完全なものにする上で必要あるいは好ましいと思われるすべての書類を処理、配達し、すべて は受取人である譲受人を支援し、本発明の米国特許の獲得、再発行あるいは執行の順守に協力する。

### 宣誓書

下記発明者である私は、次の事柄を宣誓する

上記の出願は私自身、あるいは私が権限を授与した者によって行われたものである。

私は本件の特許請求の元の発明者あるいは共同発明者である。

私はこの宣誓書における故意の虚偽記載は、18 U.S.C. 1001 に基づき罰金あるいは最高 5 年の禁固刑、あるいはその 両方による罰則の対象となることを承知する。

署名: **発明者:** Kazuhiko NAKANO KannikaNakan

Inventor:

DATE

**RECORDED: 02/11/2014** 

米国内での権利 PATENT (以下議受人とよ PATENT (以下議受人とよ REEL: 032239 FRAME: 0665