

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	to correct error (typo in Application Serial No.) in a cover sheet previously recorded - Reel/Frame 023470/0789
CONVEYING PARTY DATA	
Name	Execution Date
Daniel M. Saban	07/24/2009
John Stout	07/24/2009
Venkateshwaran Krishnan	07/24/2009
Dennis Strouse	07/24/2009
Paulo Guedes-Pinto	07/24/2009
Alex Ivaschenko	09/22/2009
RECEIVING PARTY DATA	
Name:	Direct Drive Systems, Inc.
Street Address:	12880 Moore Street
City:	Cerritos
State/Country:	CALIFORNIA
Postal Code:	90703
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12496364
CORRESPONDENCE DATA	
Fax Number:	(214)747-2091
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Email:	cann@fr.com
Correspondent Name:	Fish & Richardson P.C.
Address Line 1:	1717 Main Street, Suite 5000
Address Line 4:	Dallas, TEXAS 75201
ATTORNEY DOCKET NUMBER:	19636-0020001
NAME OF SUBMITTER:	Dale V. Cann

CH \$40.00 12496364

Total Attachments: 15

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PATENT ASSIGNMENT

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11/04/2009
 501006671

SUBMISSION TYPE:	NEW ASSIGNMENT														
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<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12496254</td> </tr> <tr> <td>Application Number:</td> <td>61084238</td> </tr> <tr> <td>Application Number:</td> <td>61096290</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12496254	Application Number:	61084238	Application Number:	61096290						
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CH \$120.00 12496254

O:FISH & RICHARDSON P.C. COMPANY:1717 MAIN STREET, SUITE 5000

NAME OF SUBMITTER:

Dale V. Carr

Total Attachments: 13

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ASSIGNMENT

For valuable consideration, we, Daniel M. Sabar, of 1406 Hearthsides Dr., Corona, California 92882, United States; John Stout, of 4092 Del Mar Ave., Long Beach, California 90807, United States; Venkateshwaran Krishnan, of 12200 Montecito Road, Apt. C201, Seal Beach, California 90740, United States; Dennis Strouse, of 3063 W. Chapman Ave, Orange, California 92868, United States; Paulo Guedes-Pinto, of 148 Honeysuckle Lane Brea, California 92821, United States; Alex Ivaschenko, of 11421 E. 186 St., #129, Artesia, California 90701, United States; hereby assign to DIRECT DRIVE SYSTEMS, INC., a corporation of Delaware, having a place of business at 12880 Moore Street, Cerritos, California 90703, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of U.S. Provisional Patent Application Serial No. 61/084,238, titled "Electric Machine," filed July 28, 2008 and U.S. Provisional Application Serial No. 61/096,290, titled "Electric Machine," filed September 11, 2008, and an application for United States Patent signed by us, entitled ELECTRIC MACHINE, filed July 1, 2009, and assigned U.S. Serial Number 12/496,364, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known, this assignment including said applications, any and all United States and foreign applications, patents, utility models, and design registrations for any of said inventions or improvements, and the right to claim priority based on the filing date of said applications under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

DATE: 7/24/09



DANIEL M. SABAN

State of California)
County of _____)

On _____ before me, personally appeared DANIEL M. SABAN, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

* See attached Form
Signature _____ (Seal)

State of California)
County of Los Angeles)

**CALIFORNIA ALL-PURPOSE
CERTIFICATE OF ACKNOWLEDGMENT**

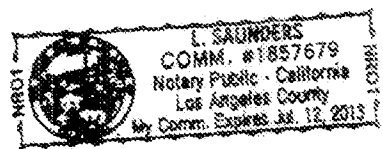
On July 24, 2009 before me, L. Saunders
(here insert name and title of the officer)
personally appeared Daniel M. Saban

who proved to me on the basis of satisfactory evidence to be the person whose name are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity , and that by his/her/their signature on the instrument the person , or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature L. Saunders



(Seal)

OPTIONAL INFORMATION

Although the information in this section is not required by law, it could prevent fraudulent removal and reattachment of this acknowledgment to an unauthorized document and may prove useful to persons relying on the attached document.

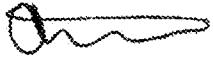
Description of Attached Document

The preceding Certificate of Acknowledgment is attached to a document titled/for the purpose of _____ containing _____ pages, and dated _____

The signer(s) capacity or authority is/are as:
 Individual(s)
 Attorney-in-Fact
 Corporate Officer(s) _____ Title(s)
 Guardian/Conservator
 Partner - Limited/General
 Trustee(s)
 Other: _____
representing: _____
Name(s) of Person(s) or Entity(ies) Signer is Representing

Additional Information	
Method of Signer Identification	
Proved to me on the basis of satisfactory evidence: <input checked="" type="checkbox"/> form(s) of identification <input type="checkbox"/> credible witness(es)	
Notarial event is detailed in notary journal on: Page # _____ Entry # _____	
Notary contact: _____	
Other	
<input type="checkbox"/> Additional Signer(s)	<input type="checkbox"/> Signer(s) Thumbprint(s)

DATE: July 24, 2009


JOHN STOUT

State of California }
County of _____ }

On _____ before me, personally appeared JOHN STOUT, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

* See attached Form
Signature _____ (Seal)

State of California)
County of Los Angeles)

CALIFORNIA ALL-PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

On July 24, 2009 before me, L. Saunders
(here insert name and title of the officer)

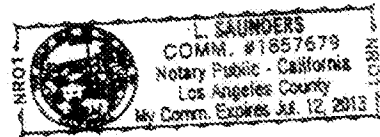
personally appeared John Stout

who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity , and that by his/her/their signature on the instrument the person , or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature L. Saunders



(Seal)

OPTIONAL INFORMATION

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The signer(s) capacity or authority is/are as:

- Individual(s)
 Attorney-in-fact
 Corporate Officer(s) _____
Titles

- Guardian/Conservator
 Partner - Limited/General
 Trustee(s)
 Other: _____

representing: _____
Name(s) of Person(s) or Entity(ies) Signer is Representing

Additional Information

Method of Signer Identification

Proved to me on the basis of satisfactory evidence:
 form(s) of identification credible witness(es)

Notarial event is detailed in notary journal on:
Page # _____ Entry # _____

Notary contact: _____

Other

- Additional Signer(s) Signer(s) Thumbprint(s)

DATE: July 24, 2009

Venkateshwaran Krishnan
VENKATESHWARAN KRISHNAN

State of California)
County of _____)

On _____ before me, personally appeared VENKATESHWARAN KRISHNAN, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

** See attached Form*
Signature _____ (Seal)

State of California)
County of Los Angeles)

**CALIFORNIA ALL-PURPOSE
CERTIFICATE OF ACKNOWLEDGMENT**

On July 24, 2009 before me, L. Saunders
(here insert name and title of the officer)

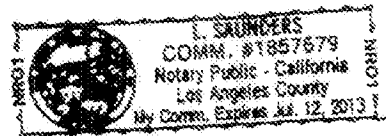
personally appeared Venkateshwaran Krishnan

who proved to me on the basis of satisfactory evidence to be the person~~s~~ whose name~~s~~ are subscribed to the within instrument and acknowledged to me that ~~he~~ ~~she~~ ~~they~~ executed the same in ~~his~~ ~~her~~ ~~their~~ authorized capacity~~(ies)~~, and that by ~~his~~ ~~her~~ ~~their~~ signature~~s~~ on the instrument the person~~s~~, or the entity upon behalf of which the person~~s~~ acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature L. Saunders



(Seal)

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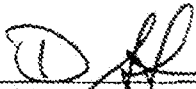
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- Corporate Officer(s) _____
(Title)
- Guardian/Conservator
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- Trustee(s)
- Other: _____

representing: _____
Name(s) of Person(s) or Entity(ies) Signer is Representing

Additional Information	
Method of Signer Identification	
Proved to me on the basis of satisfactory evidence: <input checked="" type="radio"/> form(s) of identification <input type="radio"/> credible witness(es)	
Notarial event is detailed in notary journal on: Page # _____ Entry # _____	
Notary contact: _____	
Other	
<input type="checkbox"/> Additional Signer(s)	<input type="checkbox"/> Signer(s) Thumbprint(s)
<input type="checkbox"/> _____	

DATE: 7-24-09


DENNIS STROUSE

~~State of California
County of _____~~

On _____ before me, personally appeared DENNIS STROUSE, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

* See attached Form
Signature _____ (Seal)

State of California)
County of Los Angeles)

**CALIFORNIA ALL-PURPOSE
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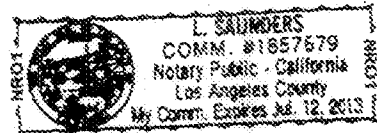
On July 24, 2009 before me, L. Saunders
(here insert name and title of the officer)
personally appeared Dennis Strouse

who proved to me on the basis of satisfactory evidence to be the person~~s~~ whose name~~s~~ are subscribed to the within instrument and acknowledged to me that ~~he~~/she/they executed the same in ~~his~~/her/their authorized capacity~~(ies)~~, and that by ~~his~~/her/their signature~~s~~ on the instrument the person~~s~~ or the entity upon behalf of which the person~~s~~ acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature L. Saunders



(Seal)

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 Other: _____

representing: _____
Names of Person(s) or Entity(ies) Signer is Representing

Additional Information

Method of Signer Identification

Proved to me on the basis of satisfactory evidence:
 form(s) of identification credible witness(es)

Notarial event is detailed in notary journal on:

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Notary contact: _____

Other

Additional Signer(s) Signer(s) Thumbprint(s)

DATE: 7/24/2009

Paulo Guedes-Pinto
PAULO GUEDES-PINTO

State of California)
County of _____)

On _____ before me, personally appeared PAULO GUEDES-PINTO, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

* See attached form
Signature _____ (Seal)

State of California)
County of Los Angeles)

**CALIFORNIA ALL-PURPOSE
CERTIFICATE OF ACKNOWLEDGMENT**

On July 24, 2009 before me, L. Saunders
(here insert name and title of the officer)

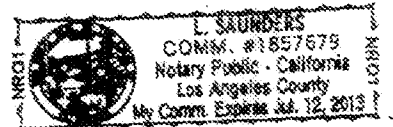
personally appeared Paulo Guedes-Pinto

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature J. Saunders



(Seal)

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(select)

- Guardian/Conservator
- Partner - Limited/General
- Trustee(s)
- Other: _____

representing: _____
(Name(s) of Person(s) or Entity(ies) Signer is Representing)

Additional Information

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Notary contact: _____

Other

- Additional Signer(s)
- Signer(s) Thumbprint(s)
- _____

ASSIGNMENT

For valuable consideration, we, Daniel M. Suban, of 1406 Hearthside Dr., Corona, California 92882, United States; John Stout, of 4092 Del Mar Ave., Long Beach, California 90807, United States; Venkateshwaran Krishnan, of 12200 Montecito Road, Apt. G201, Seal Beach, California 90740, United States; Dennis Strouse, of 3063 W. Chapman Ave, Orange, California 92868, United States; Paulo Guedes-Pinto, of 148 Honeystuckle Lane Brea, California 92821, United States; Alex Ivashenko, of 35 NEWBURGH DRIVE
EDISON, NEW JERSEY 08820; hereby assign to DIRECT DRIVE SYSTEMS, INC., a corporation of Delaware, having a place of business at 12880 Moore Street, Cerritos, California 90703, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of U.S. Provisional Patent Application Serial No. 61/084,238, titled "Electric Machine," filed July 28, 2008 and U.S. Provisional Application Serial No. 61/096,290, titled "Electric Machine," filed September 11, 2008, and an application for United States Patent signed by us, titled "Electric Machine," filed July 1, 2009, and assigned U.S. Serial Number 12/496,364, this assignment including said applications, any and all United States and foreign applications, patents, utility models, and design registrations for any of said inventions or improvements, and the right to claim priority based on the filing date of said applications under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

DATE: 09/22/09

Alex Ivashenko
ALEX IVASCHENKO

State of New Jersey :
County of Middlesex : ss.

Before me this 22nd day of September, 2009, personally appeared ALEX IVASCHENKO known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that she/he executed the same as her/his free act and deed for the purposes therein contained.

Marcus M. Lim

Notary Public

My Commission Expires: 08/09/2010



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