

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Azure Dynamics Incorporated	08/30/2012
RECEIVING PARTY DATA	
Name:	Mosaid Technologies Inc.
Street Address:	11 Hines Road
Internal Address:	Suite 203
City:	Ottawa
State/Country:	CANADA
Postal Code:	K2K 2X1
PROPERTY NUMBERS Total: 10	
Property Type	Number
Patent Number:	5562178
Patent Number:	5637971
Patent Number:	5808427
Patent Number:	6643149
Patent Number:	6768621
Patent Number:	7397675
Patent Number:	7560895
Patent Number:	7561008
Patent Number:	7577006
Patent Number:	7741798
CORRESPONDENCE DATA	
Fax Number:	2144364683
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	214-494-4805

CH \$400.00 5562178

Email: ipadmin@mosaid.com
Correspondent Name: Mosaid Corporation Ltd.
Address Line 1: 5700 Granite Parkway
Address Line 2: Suite 960
Address Line 4: Plano, TEXAS 75024

ATTORNEY DOCKET NUMBER:	AZURE ASSIGNMENT 4
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NAME OF SUBMITTER:	Abdul Zindani
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Signature:	/Abdul Zindani/
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Date:	05/09/2013
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Total Attachments: 25

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ASSIGNMENT AND AGREEMENT

THIS ASSIGNMENT AND AGREEMENT (this "Agreement"), is entered into by and between Azure Dynamics Incorporated, having its principal place of business at 9 Forbes Road, Woburn, Massachusetts, United States of America ("**Assignor**"), and MOSAID Technologies Inc., having the principal place of business at 11 Hines Road, Suite 203, Ottawa, Ontario, Canada ("**Assignee**").

For good and valuable consideration, the receipt of which is hereby acknowledged, **Assignor**, hereby sells, assigns and transfers to **Assignee**, its successors, assigns and legal representatives, the entire right, title and interest that exist today and may exist in the future in and to any and all of the patents and applications as listed in the appendix hereof ("**Patents**") including all prior granted patents and applications, including continuations, continuations-in-part, divisionals or other applications, patents, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances throughout the world which directly or indirectly claims priority from **Patents** or for which any of the **Patents** directly or indirectly forms a basis for priority.

Assignor agrees that, when requested and at the expense of **Assignee**, will sign all papers, cause all rightful oaths to be taken, and do or cause to be done all acts which may be necessary, desirable or convenient for securing and maintaining said **Patents** in any and all countries and for vesting title thereto in said **Assignee**, its successors, assigns and legal representatives or nominees.

Assignor authorizes and empowers the said **Assignee**, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said **Patents** filed by it or them, the benefit of the right of priority provided by: (a) the Paris Convention for the Protection of Industrial Property, as revised, or by international convention which may henceforth be substituted for it; and (b) the Patent Cooperation Treaty, as amended and modified, or by any treaty which may henceforth be substituted for it; and to invoke and claim such right of priority without further written or oral authorization from **Assignor**.

Assignor hereby consents that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document

which may be required in any country for any purpose and more particularly in proof of the right of the said Assignee or nominee to claim the aforesaid benefit of the right of priority provided by: (a) the International Convention for the protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it; and (b) the Patent Cooperation Treaty, as amended, or by any treaty which may henceforth be substituted for it.

Assignor covenants with said Assignee, its successors and assigns and legal representatives that the rights and property herein conveyed are free and clear of any encumbrance, and that Assignor owns and has full right to convey the same as herein expressed.

IN WITNESS WHEREOF, the Assignor and the Assignee have caused this Assignment and Agreement to be duly executed below in duplicate originals by their duly authorized representatives at BURNABY on 30 day of AUGUST, 2012.

Assignor

AZURE DYNAMICS INCORPORATED

Address: 9 FERRIS RD., WOODEN, MASS., USA

By: [Signature]

Name: RON JACOBELLI

Title: VP CEO

Assignee

MOSAID Technologies Inc.,

Address: 11 Hines Road, Suite 203,
Ottawa, Ontario, Canada

By: _____

Name: _____

Title: _____

which may be required in any country for any purpose and more particularly in proof of the right of the said **Assignee** or nominee to claim the aforesaid benefit of the right of priority provided by: (a) the International Convention for the protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it; and (b) the Patent Cooperation Treaty, as amended, or by any treaty which may henceforth be substituted for it.

Assignor covenants with said **Assignee**, its successors and assigns and legal representatives that the rights and property herein conveyed are free and clear of any encumbrance, and that **Assignor** owns and has full right to convey the same as herein expressed.

IN WITNESS WHEREOF, the **Assignor** and the **Assignee** have caused this Assignment and Agreement to be duly executed below in duplicate originals by their duly authorized representatives at Ottawa on 30 day of August, 2012.

Assignor

Address: _____

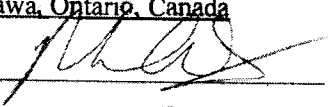
By: _____

Name: _____

Title: _____

Assignee

MOSAID Technologies Inc.,
Address: 11 Hines Road, Suite 203,
Ottawa, Ontario, Canada

By:  _____

Name: Phil Shaer

Title: VP GC & CS

APPENDIX

ASSIGNED PATENTS AND APPLICATIONS

Family	Application Number	Application Date	Application Country	Publication Number	Title	Inventor First
1	US1995438111A	1995-05-08	US	US5562178A	Rear drive electric vehicle	Worden, James D.
2	US1995489550A	1995-06-12	US	US5637971A	Suppression of multiple noise-related signals in pulse width modulated signals	Pratt, Gill A.
3	CA2182630A	1996-08-02	CA	CA2182630C	A CONTROL SYSTEM FOR A HYBRID VEHICLE COMMANDE POUR VEHICULE A MOTEUR HYBRIDE	DROZDZ, PIOTR
3	US1997910572A	1997-08-01	US	US5898282A	Control system for a hybrid vehicle	Drozdz, Piotr
4	US1996651842A	1996-05-21	US	US5808427A	Vehicle drive control system	Worden, James D.
5	AT2001902208T	2001-01-30	AT	AT320358T	ADAPTIVES HYBRIDFAHRZEUG UND STEUERUNG	DROZDZ PIOTR
5	AU200129924D	2001-01-30	AU	AU200129924A	Method and apparatus for adaptive hybrid vehicle control	DROZDZ PIOTR

5	CA239707 4A	2001-01-30	CA	CA239707 4C	METHOD AND APPARATUS FOR ADAPTIVE HYBRID VEHICLE CONTROL PROCEDE ET APPAREIL DESTINE A LA COMMANDE DE VEHICULE HYBRIDE ET ADAPTATIF	DROZDZ, PIOTR
5	DE601179 60A	2001-01-30	DE	DE601179 60D1	ADAPTIVES HYBRIDFAHRZEUG UND STEUERUNG	DROZDZ PIOTR
5	EP200190 2208A	2001-01-30	EP	EP125203 6B1	METHOD AND APPARATUS FOR ADAPTIVE HYBRID VEHICLE CONTROL ADAPTIVES HYBRIDFAHRZEUG UND STEUERUNG PROCEDE ET APPAREIL DESTINE A LA COMMANDE DE VEHICULE HYBRIDE ET ADAPTATIF	DROZDZ, Piotr
5	ES200190 2208T	2001-01-30	ES	ES226019 6T3	METODO Y APARATO DESTINADOS AL CONTROL DE UN VEHICULO HIBRIDO Y ADAPTADO.	DROZDZ PIOTR
5	US200049 4812A	2000-01-31	US	US624287 3B1	Method and apparatus for adaptive hybrid vehicle control	Drozdz, Piotr
5	WO2001C A101A	2001-01-30	WO	WO20010 54940A1	METHOD AND APPARATUS FOR ADAPTIVE HYBRID VEHICLE CONTROL PROCEDE ET APPAREIL DESTINE A LA COMMANDE DE VEHICULE HYBRIDE ET ADAPTATIF	DROZDZ, Piotr
5				IT1252036		

5				Granted in FR		
5				Granted in GB		
6	AU200213 229D	2001-10-15	AU	AU200213 229A	Improved distribution of space-vector pwm conduction losses	ARNET BEAT J
6	US200197 7601A	2001-10-15	US	US664314 9B2	Switching system	Arnet, Beat J.
6	WO2001U S32181A	2001-10-15	WO	WO20020 31952A9	IMPROVED DISTRIBUTION OF SPACE-VECTOR PWM CONDUCTION LOSSES REPARTITION AMELIOREE DES PERTES DE CONDUCTION DE MID A VECTEUR SPATIAL	ARNET BEAT J
7	AT200370 1403T	2003-02-04	AT	AT435512 T	EINRICHTUNG UND VERFAHREN ZUR REGLUNG DER ENERGIEÜBERTRAGUNG ZWISCHEN EINEM ENERGIEBUS UND EINEM BATTERIENSYSTEM AUF DER BASIS DES BATTERIENBETRIEBSZUST ANDES	ZETTEL ANDREW
7	AU200320 3098A	2003-02-04	AU	AU200320 3098A1	METHOD AND APPARATUS FOR CONTROLLING ENERGY TRANSFER BETWEEN AN ENERGY BUS AND A BATTERY SYSTEM BASED UPON BATTERY OPERATING CONDITION	ZETTEL ANDREW MICHAEL

7	BR200374 62A	2003-02-04	BR	BR200307 462A	Método e aparelho para controlar a transferência de energia entre um barramento de energia e um sistema de baterias com base na condição de operação da bateria	ZETTEL ANDREW MICHAEL
7	CA247381 7A	2003-02-04	CA	CA247381 7C	METHOD AND APPARATUS FOR CONTROLLING ENERGY TRANSFER BETWEEN AN ENERGY BUS AND A BATTERY SYSTEM BASED UPON BATTERY OPERATING CONDITION PROCEDE ET APPAREIL DE REGULATION DU TRANSFERT D'ENERGIE ENTRE UNE BARRE OMNIBUS ET UN SYSTEME DE BATTERIES EN FONCTION DE L'ETAT DE FONCTIONNEMENT DES BATTERIES	BOUCHON , NICOLAS LOUIS
7	CN200380 3341A	2003-02-04	CN	CN162840 4B	Method and apparatus for controlling energy transfer between an energy bus and a battery system	MICHAEL ZETTEL ANDREW
7	DE603281 62A	2003-02-04	DE	DE603281 62D1	EINRICHTUNG UND VERFAHREN ZUR REGELUNG DER ENERGIETTERIENSYSTEM AUF DER BASIS DES BATTERIENBETRIEBSZUSTANDES	ZETTEL ANDREW MICHAEL
7	EP200370 1403A	2003-02-04	EP	EP147485 8B1	METHOD AND APPARATUS FOR CONTROLLING ENERGY TRANSFER BETWEEN AN ENERGY BUS AND A BATTERY SYSTEM BASED UPON BATTERY OPERATING CONDITION EINRICHTUNG UND VERFAHREN ZUR REGELUNG DER ENERGIEÜBERTRAGUNG ZWISCHEN EINEM ENERGIEBUS UND EINEM BATTERIENSYSTEM AUF DER BASIS DES BATTERIENBETRIEBSZUST	ZETTEL, Andrew, Michael

					ANDES PROCEDE ET APPAREIL DE REGULATION DU TRANSFERT D'ENERGIE ENTRE UNE BARRE OMNIBUS ET UN SYSTEME DE BATTERIES EN FONCTION DE L'ETAT DE FONCTIONNEMENT DES BATTERIES	
7	ES200370 1403T	2003-02-04	ES	ES232945 7T3	METODO Y APARATO PARA CONTROLAR LA TRANSFERENCIA DE ENERGIA ENTRE UNA BARRA COLECTORA DE ENERGIA Y UN SISTEMA DE BATERIAS A BASE DE UNA CON DICION DE OPERACION DE BATERIA.	ZETTEL ANDREW MICHAEL
7			ES	Granted in ES		
7			FR	Granted in FR		
7			GB	Granted in GB		
7	HK200510 5895A	2005-07-12	HK	HK107250 6A1	METHOD AND APPARATUS FOR CONTROLLING ENERGY TRANSFER BETWEEN AN ENERGY BUS AND A BATTERY SYSTEM	BOUCHON NICOLAS LOUIS
7	Pending applicatio n in India 2454/DEL NP/2004		IN			

7			IT	Granted in IT		
7	JP200356 6959A	2003-02-04	JP	JP200551 7376A		
7	7012077/ 2004	2003-02-04	KR			
7	MX2004P A7532A	2004-08-04	MX	MX20040 07532A	METHOD AND APPARATUS FOR CONTROLLING ENERGY TRANSFER BETWEEN AN ENERGY BUS AND A BATTERY SYSTEM BASED UPON BATTERY OPERATING CONDITION. METODO Y APARATO PARA CONTROLAR LA TRANSFERENCIA DE ENERGIA ENTRE UNA BARRA COLECTORA DE ENERGIA Y UN SISTEMA DE BATERIA A BASE DE UNA CONDICION DE OPERACION DE BATERIA.	BOUCHON NICOLAS LOUIS
7	RU200412 6683A	2003-02-04	RU	RU200412 6683A		
7	20040410 9-1	04/02/2003	SG	SG105418		
7	US200262 452A	2002-02-05	US	US655599 1B1	Battery operating condition dependent method and apparatus for controlling energy transfer between an energy bus and a system of batteries	Zettel, Andrew Michael

7	WO2003C A188A	2003-02-04	WO	WO20030 67733A1	METHOD AND APPARATUS FOR CONTROLLING ENERGY TRANSFER BETWEEN AN ENERGY BUS AND A BATTERY SYSTEM BASED UPON BATTERY OPERATING CONDITION PROCEDE ET APPAREIL DE REGULATION DU TRANSFERT D'ENERGIE ENTRE UNE BARRE OMNIBUS ET UN SYSTEME DE BATTERIES EN FONCTION DE L'ETAT DE FONCTIONNEMENT DES BATTERIES	ZETTEL, Andrew, Michael
8	US200254 606A	2002-01-18	US	US676862 1B2	Contactor feedback and precharge/discharge circuit	Arnet, Beat J.
9	AT200370 4139T	2003-02-26	AT	AT427853 T	VERFAHREN ZUR ENERGIEEINSPEISUNG IN DEN VERSORGUNGSBUS EINES HYBRIDFAHRZEUGS SOWIE ZUGEHÖRIGE GERÄTE, MITTEL UND SIGNALE	BOUCHON NICOLAS
9	AU200320 6590A	2003-02-26	AU	AU200320 6590A1	METHODS OF SUPPLYING ENERGY TO AN ENERGY BUS IN A HYBRID ELECTRIC VEHICLE, AND APPARATUSES, MEDIA AND SIGNALS FOR THE SAME	BOUCHON NICOLAS LOUIS
9	BR200379 97A	2003-02-26	BR	BR200307 997A	Métodos de fornecimento de energia a um barramento de energia em um veículo elétrico híbrido, e aparelhos, mídia e sinais para os mesmos	BOUCHON NICOLAS LOUIS
9	CA247559 7A	2003-02-26	CA	CA247559 7C	METHODS OF SUPPLYING ENERGY TO AN ENERGY BUS IN A HYBRID ELECTRIC VEHICLE, AND APPARATUSES, MEDIA AND SIGNALS FOR THE SAME PROCEDES POUR FOURNIR DE L'ENERGIE A UN BUS D'ENERGIE DANS UN VEHICULE	BOUCHON , NICOLAS LOUIS

					ELECTRIQUE HYBRIDE, ET DISPOSITIFS, SUPPORTS ET SIGNAUX QUI LUI SONT DESTINES	
9	CN200380 4797A	2003-02-26	CN	CN163898 7B	Methods of supplying energy to an energy bus in a hybrid electric vehicle, and apparatuses	LOUIS BOUCHON NICOLAS
9	DE603270 54A	2003-02-26	DE	DE603270 54D1	VERFAHREN ZUR ENERGIEEINSPEISUNG IN DEN VERSORGBUSBUS EINES HYBRIDFAHRZEUGS SOWIE ZUGEHÖRIGE GERÄTE, MITTEL UND SIGNALE	BOUCHON NICOLAS LOUIS
9	EP200370 4139A	2003-02-26	EP	EP148084 8B1	METHODS OF SUPPLYING ENERGY TO AN ENERGY BUS IN A HYBRID ELECTRIC VEHICLE, AND APPARATUSES, MEDIA AND SIGNALS FOR THE SAME VERFAHREN ZUR ENERGIEEINSPEISUNG IN DEN VERSORGBUSBUS EINES HYBRIDFAHRZEUGS SOWIE ZUGEHÖRIGE GERÄTE, MITTEL UND SIGNALE PROCEDES POUR FOURNIR DE L'ENERGIE A UN BUS D'ENERGIE DANS UN VEHICULE ELECTRIQUE HYBRIDE, ET DISPOSITIFS, SUPPORTS ET SIGNAUX QUI LUI SONT DESTINES	BOUCHON , Nicolas, Louis
9	ES200370 4139T	2003-02-26	ES	ES232506 7T3	PROCEDIMIENTOS DE SUMINISTRO DE ENERGIA A UN BUS DE ENERGIA EN UN VEHICULO ELECTRICO HIBRIDO Y APARATOS, MEDIOS Y SEÑALES PARA LOS MISMOS.	BOUCHON NICOLAS LOUIS
9			FR	Granted in FR		

9			GB	Granted in GB		
9	HK510455 0A	2005-05-31	HK	HK107133 7A1	METHODS OF SUPPLYING ENERGY TO AN ENERGY BUS IN A HYBRID ELECTRIC VEHICLE, AND APPARATUSES, MEDIA AND SIGNALS FOR THE SAME	BOUCHON NICOLAS LOUIS
9	2730/DEL NP/2004	2003-02-26	IN	Granted in IN		
9	JP200357 1111A	2003-02-26	JP	JP200551 9569A		
9	JP200762 657A	2007-03-12	JP	JP200722 3598A	METHOD FOR SUPPLYING ENERGY TO ENERGY BUS IN HYBRID ELECTRIC VEHICLE AND APPARATUS AND COMPUTER PROGRAM FOR THE SAME	BOUCHON NICOLAS LOUIS
9	7013397/ 2004	2003-02-26	KR	10- 1043052		
9	MX2004P A8382A	2004-08-27	MX	MX25487 9	METHODS OF SUPPLYING ENERGY TO AN ENERGY BUS IN A HYBRID ELECTRIC VEHICLE, AND APPARATUSES, MEDIA AND SIGNALS FOR THE SAME. METODOS DE SUMINISTRO DE ENERGIA HACIA UN BUS DE ENERGIA EN UN VEHICULO ELECTRICO HIBRIDO Y APARATOS, MEDIOS Y SENALES PARA LOS MISMOS.	NICOLAS LOUIS BOUCHON

9	RU200412 8926A	2003-02-26	RU	RU200412 8926A		
9	20040487 0-8	2003-02-26	SG	SG106307		
9	US200284 331A	2002-02-28	US	US690920 0B2	Methods of supplying energy to an energy bus in a hybrid electric vehicle, and apparatuses, media and signals for the same	Bouchon, Nicolas Louis
9	WO2003C A269A	2003-02-26	WO	WO20030 72389A1	METHODS OF SUPPLYING ENERGY TO AN ENERGY BUS IN A HYBRID ELECTRIC VEHICLE, AND APPARATUSES, MEDIA AND SIGNALS FOR THE SAME PROCEDES POUR FOURNIR DE L'ENERGIE A UN BUS D'ENERGIE DANS UN VEHICULE ELECTRIQUE HYBRIDE, ET DISPOSITIFS, SUPPORTS ET SIGNAUX QUI LUI SONT DESTINES	BOUCHON , Nicolas, Louis
9	Pending applicatio n in India					
10	AT200374 4285T	2003-03-14	AT	AT370013 T	REGELUNG VOM BETRIEB EINES HYBRIDFAHRZEUGS ZUR OPTIMIERUNG DES BETRIEBSVERHALTENS	GOSSELIN ROBERT
10	AU200320 9891A	2003-03-14	AU	AU200320 9891A8	Process, apparatus, media and signals for controlling operating conditions of a hybrid electric vehicle to optimize operating characteristics of the vehicle	GOSSELIN ROBERT MICHAEL

10	BR200384 18A	2003-03-14	BR	BR200308 418A	Processo, aparelho midia e sinais para controlar condições operacionais de um veículo elétrico híbrido para otimizar as características operacionais do veículo	GOSSELIN ROBERT MICHAEL
10	CA272304 3A	2003-03-14	CA	CA272304 3A1	PRODUCING RECORDS FOR CONTROLLING OPERATING CONDITIONS OF A HYBRID ELECTRIC VEHICLE TO OPTIMIZE OPERATING CHARACTERISTICS OF THE VEHICLE PRODUCTION D'ENREGISTREMENTS DE REGULATION DES CONDITIONS DE FONCTIONNEMENT D'UN VEHICULE HYBRIDE DESTINEES A OPTIMISER LES CARACTERISTIQUES DE FONCTIONNEMENT DU VEHICULE	GOSSELIN, ROBERT MICHAEL
10	CA247707 2A	2003-03-14	CA	CA247707 2C	PROCESS, APPARATUS, MEDIA AND SIGNALS FOR CONTROLLING OPERATING CONDITIONS OF A HYBRID ELECTRIC VEHICLE TO OPTIMIZE OPERATING CHARACTERISTICS OF THE VEHICLE PROCEDE, APPAREIL, SUPPORTS ET SIGNAUX PERMETTANT DE CONTROLER LES CONDITIONS DE FONCTIONNEMENT D'UN VEHICULE HYBRIDE AFIN D'OPTIMISER LES CARACTERISTIQUES DE FONCTIONNEMENT DU VEHICULE	GOSSELIN, ROBERT MICHAEL
10	CN200380 6123A	2003-03-14	CN	CN164276 8B	Process and apparatus for controlling operating conditions of a hybrid electric vehicle to optimize operating characteristics of the vehicle	MICHAEL GOSSELIN ROBERT

10	DE603156 09A	2003-03-14	DE	DE603156 09D1	REGELUNG VOM BETRIEB EINES HYBRIDFAHRZEUGS ZUR OPTIMIERUNG DES BETRIEBSVERHALTENS	GOSSELIN ROBERT MICHAEL
10	EP200374 4285A	2003-03-14	EP	EP148765 4B1	PROCESS, APPARATUS, MEDIA AND SIGNALS FOR CONTROLLING OPERATING CONDITIONS OF A HYBRID ELECTRIC VEHICLE TO OPTIMIZE OPERATING CHARACTERISTICS OF THE VEHICLE REGELUNG VOM BETRIEB EINES HYBRIDFAHRZEUGS ZUR OPTIMIERUNG DES BETRIEBSVERHALTENS PROCEDE, APPAREIL, SUPPORTS ET SIGNAUX PERMETTANT DE CONTROLLER LES CONDITIONS DE FONCTIONNEMENT D'UN VEHICULE HYBRIDE AFIN D'OPTIMISER LES CARACTERISTIQUES DE FONCTIONNEMENT DU VEHICULE	GOSSELIN, Robert, Michael
10	ES200374 4285T	2003-03-14	ES	ES229165 6T3	PROCESO, APARATO, MEDIOS Y SEÑALES PARA CONTROLAR LAS CONDICIONES OPERATIVAS DE UN VEHICULO ELECTRICO HIBRIDO PARA OPTIMIZAR LAS CARACTERISTICAS OPERATIVAS DEL VEHICULO.	GOSSELIN ROBERT MICHAEL
10			FR	Granted in FR		
10			GB	Granted in GB		

10	HK200510 4704A	2005-06-03	HK	HK107155 1A1	Process, apparatus, media and signals for control ling operating conditions of a hybrid electric vehicle to optimize operating characteristics of the vehicle	GOSSELIN ROBERT MICHAEL
10	2762/DEL NP/2004	2003-03-14	IN	Granted in IN		
10			IT	Granted in IT		
10	JP200357 6217A	2003-03-14	JP	JP200552 1364A		
10	JP200762 644A	2007-03-12	JP	JP200722 3597A	PROCESS, APPARATUS, MEDIA AND SIGNAL FOR CONTROLLING OPERATING CONDITION OF HYBRID ELECTRIC VEHICLE TO OPTIMIZE OPERATING CHARACTERISTIC OF THE VEHICLE	GOSSELIN ROBERT MICHAEL
10	7014470/ 2004	2003-03-14	KR	Granted in KR		
10	MX2004P A8834A	2004-09-10	MX	MX20040 08834A	PROCESS, APPARATUS, MEDIA AND SIGNALS FOR CONTROLLING OPERATING CONDITIONS OF A HYBRID ELECTRIC VEHICLE TO OPTIMIZE OPERATING CHARACTERISTICS OF THE VEHICLE. PROCESO, APARATO, MEDIO Y SENALES PARA CONTROLAR CONDICIONES DE	ROBERT MICHAEL GOSSELIN

					OPERACION DE UN VEHICULO, ELECTRICO HIBRIDO PARA OPTIMIZAR LAS CARACTERISTICAS DE OPERACION DEL VEHICULO.	
10	RU200413 0477A	2003-03-14	RU	RU200413 0477A		
10	20040529 9-9	2003-03-14	SG	SG106472		
10	US200297 297A	2002-03-15	US	US687905 4B2	Process, apparatus, media and signals for controlling operating conditions of a hybrid electric vehicle to optimize operating characteristics of the vehicle	Gosselin, Robert Michael
10	WO2003C A358A	2003-03-14	WO	WO20030 78190A3	PROCESS, APPARATUS, MEDIA AND SIGNALS FOR CONTROLLING OPERATING CONDITIONS OF A HYBRID ELECTRIC VEHICLE TO OPTIMIZE OPERATING CHARACTERISTICS OF THE VEHICLE PROCEDE, APPAREIL, SUPPORTS ET SIGNAUX PERMETTANT DE CONTROLER LES CONDITIONS DE FONCTIONNEMENT D'UN VEHICULE HYBRIDE AFIN D'OPTIMISER LES CARACTERISTIQUES DE FONCTIONNEMENT DU VEHICULE	GOSELIN, Robert, Michael
11	CA265022 4A	2007-05-08	CA	CA265022 4A1	PROCESS AND APPARATUS FOR REDUCING NITROGEN OXIDE EMISSIONS IN GENSET SYSTEMS PROCEDE ET APPAREIL DE REDUCTION DES EMISSIONS D'OXYDE	BOUCHON , NICOLAS

					D'AZOTE DANS DES GROUPES ELECTROGENES	
11	EP200771 9724A	2007-05-08	EP	EP202121 9A4	PROCESS AND APPARATUS FOR REDUCING NITROGEN OXIDE EMISSIONS IN GENSET SYSTEMS VERFAHREN UND VORRICHTUNG ZUR REDUZIERUNG VON STICKOXIDEMISSIONEN IN GENERATORMASCHINEN SATZSYSTEMEN PROCEDE ET APPAREIL DE REDUCTION DES EMISSIONS D'OXYDE D'AZOTE DANS DES GROUPES ELECTROGENES	BOUCHON NICOLAS
11	MX20081 4288A	2008-11-07	MX	MX20080 14288A	PROCESS AND APPARATUS FOR REDUCING NITROGEN OXIDE EMISSIONS IN GENSET SYSTEMS. PROCESO Y APARATO PARA REDUCIR EMISIONES DE OXIDO DE NITROGENO EN SISTEMAS DE GRUPOS DE GENERADORES.	BOUCHON NICHOLAS
11	US200780 0841A	2007-05-08	US	US772844 8B2	Process and apparatus for reducing nitrogen oxide emissions in genset systems	Bouchon, Nicolas
11	WO2007C A800A	2007-05-08	WO	WO20071 28125A1	PROCESS AND APPARATUS FOR REDUCING NITROGEN OXIDE EMISSIONS IN GENSET SYSTEMS PROCÉDÉ ET APPAREIL DE RÉDUCTION DES ÉMISSIONS D'OXYDE D'AZOTE DANS DES GROUPES ÉLECTROGÈNES	BOUCHON , Nicolas

12	US200644 0509A	2006-05-25	US	US757700 6B2	Non-linear droop control system and method for isochronous frequency operation	Neacsu, Dorin O.
13	AT200780 0541T	2007-08-30	AT	AT528189 T	VORRICHTUNG UND VERFAHREN ZUR LEISTUNGSSTEUERUNG IN EINEM HYBRIDFAHRZEUG	LIU WEI
13	CA266171 8A	2007-08-30	CA	CA266171 8A1	METHOD, APPARATUS, SIGNALS, AND MEDIUM FOR MANAGING POWER IN A HYBRID VEHICLE PROCEDE, APPAREIL, SIGNAUX ET MOYEN DESTINES A LA GESTION DE L'ENERGIE DANS UN VEHICULE HYBRIDE	BOUCHON , NICOLAS LOUIS
13	EP200780 0541A	2007-08-30	EP	EP206222 0B1	Apparatus and method for managing power in a hybrid vehicle Vorrichtung und Verfahren zur Leistungssteuerung in einem Hybridfahrzeug Dispositif et procédé de gestion de puissance en un véhicule hybride	LIU, Wei
13			IT	Granted in IT		
13			FR	Granted in FR		
13			GB	Granted in GB		

13			DE	Granted in DE		
13	ES200780 0541T	2007-08-30	ES	ES237316 9T3	APARATO Y PROCEDIMIENTO PARA GESTIONAR LA POTENCIA EN UN VEHICULO HIBRIDO.	LIU WEI
13	US200651 5175A	2006-09-01	US	US782693 9B2	Method, apparatus, signals, and medium for managing power in a hybrid vehicle	Liu, Wei
13	US201092 5403A	2010-10-19	US	US201101 12711A1	Method, apparatus, signals, and medium for managing power in a hybrid vehicle	Liu, Wei
13	WO2007C A1516A	2007-08-30	WO	WO20080 25147A1	COST MINIMIZATION FOR HYBRID VEHICLE POWER MANAGEMENT PROCÉDÉ, APPAREIL, SIGNAUX ET MOYEN DESTINÉS À LA GESTION DE L'ÉNERGIE DANS UN VÉHICULE HYBRIDE	LIU, Wei
14	US200658 2804A	2006-10-18	US	US739767 5B2	Inverter-filter non- linearity blanking time and zero current clamping compensation system and method	Neacsu, Dorin O.
15	CA267729 3A	2007-10-30	CA	CA267729 3C	FILTER PACKAGE BOITIER FILTRE	LUCAS, DONALD J.
15	EP200783 9836A	2007-10-30	EP	EP208026 5A2	FILTER PACKAGE FILTERGEHÄUSE BOÎTIER FILTRE	LUCAS, Donald, J.

15	US200659 0322A	2006-10-31	US	US756100 8B2	Filter package	Lucas, Donald J.
15	WO2007U S22849A	2007-10-30	WO	WO20080 54710A3	FILTER PACKAGE BOÎTIER FILTRE	LUCAS, Donald, J.
16	CA266908 5A	2007-11-16	CA	CA266908 5A1	RFI/EMI FILTER FOR VARIABLE FREQUENCY MOTOR DRIVE SYSTEM FILTRE RFI/EMI POUR SYSTEME D'ENTRAÎNEMENT A FREQUENCE VARIABLE D'UN MOTEUR	LUCAS, DONALD J.
16	EP200786 2110A	2007-11-16	EP	EP208481 0A4	RFI/EMI FILTER FOR VARIABLE FREQUENCY MOTOR DRIVE SYSTEM RFI/EMI-FILTER FÜR EIN MOTORANTRIEBSSYSTEM MIT VARIABLER FREQUENZ FILTRE RFI/EMI POUR SYSTEME D'ENTRAÎNEMENT A FREQUENCE VARIABLE D'UN MOTEUR	LUCAS DONALD J
16	US200798 5664A	2007-11-16	US	US774179 8B2	RFI/EMI filter for variable frequency motor drive system	Lucas, Donald J.
16	WO2007U S24151A	2007-11-16	WO	WO20080 63593A3	RFI/EMI FILTER FOR VARIABLE FREQUENCY MOTOR DRIVE SYSTEM FILTRE RFI/EMI POUR SYSTÈME D'ENTRAÎNEMENT À FRÉQUENCE VARIABLE D'UN MOTEUR	LUCAS, Donald J.
17	CA268103 7A	2008-03-14	CA	CA268103 7A1	INDIRECT ROTOR RESISTANCE ESTIMATION SYSTEM AND METHOD SYSTEME ET PROCEDE D'ESTIMATION INDIRECTE D'UNE RESISTANCE DE ROTOR	ARNET, BEAT J.

17	EP200874 2099A	2008-03-14	EP	EP212706 5A1	INDIRECT ROTOR RESISTANCE ESTIMATION SYSTEM AND METHOD SYSTEM UND SCHÄTZUNG DER BESTÄNDIGKEIT EINES INDIREKTEN ROTORS SYSTÈME ET PROCÉDÉ D'ESTIMATION INDIRECTE D'UNE RÉSISTANCE DE ROTOR	ARNET, Beat, J.
17	US200772 4904A	2007-03-16	US	US756089 5B2	Indirect rotor resistance estimation system and method	Arnet, Beat J.
17	WO2008U S3443A	2008-03-14	WO	WO20081 15438A1	INDIRECT ROTOR RESISTANCE ESTIMATION SYSTEM AND METHOD SYSTÈME ET PROCÉDÉ D'ESTIMATION INDIRECTE D'UNE RÉSISTANCE DE ROTOR	ARNET, Beat, J.
18	CA271340 3A	2009-01-12	CA	CA271340 3A1	METHOD AND SYSTEM FOR MULTIPHASE CURRENT SENSING PROCEDE ET SYSTEME DE DETECTION DE COURANT POLYPHASE	ARNET, BEAT J.
18	EP200970 6033A	2009-01-12	EP	EP223868 0A1	METHOD AND SYSTEM FOR MULTIPHASE CURRENT SENSING VERFAHREN UND SYSTEM ZUR MEHRPHASENSTROMERF ASSUNG PROCÉDÉ ET SYSTÈME DE DÉTECTION DE COURANT POLYPHASÉ	ARNET, Beat, J.
18			MX	MX28965 4		
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18	MX20108 236A	2010-07-28	MX	MX20100 08236A	METHOD AND SYSTEM FOR MULTIPHASE CURRENT SENSING. METODO Y SISTEMA PARA DETECTAR CORRIENTE POLIFASICA.	ARNET BEAT J
18	US200811 671A	2008-01-29	US	US789365 0B2	Method and system for multiphase current sensing	Arnet, Beat J.
18	WO2009U S174A	2009-01-12	WO	WO20090 97079A1	METHOD AND SYSTEM FOR MULTIPHASE CURRENT SENSING PROCÉDÉ ET SYSTÈME DE DéTECTION DE COURANT POLYPHASÉ	ARNET, Beat, J.
19	CA266672 3A	2007-10-24	CA	CA266672 3A1	METHOD AND APPARATUS FOR STARTING AN ENGINE IN A HYBRID VEHICLE PROCEDE ET APPAREIL POUR DEMARRER UN MOTEUR DANS UN VEHICULE HYBRIDE	BOUCHON , NICOLAS LOUIS
19	US200660 6481A	2006-11-30	US	US200801 32378A1	Method and apparatus for starting an engine in a hybrid vehicle	Bouchon, Nicolas Louis
19	WO2007C A1906A	2007-10-24	WO	WO20080 64454A1	METHOD AND APPARATUS FOR STARTING AN ENGINE IN A HYBRID VEHICLE PROCÉDÉ ET APPAREIL POUR DÉMARRER UN MOTEUR DANS UN VÉHICULE HYBRIDE	BOUCHON , Nicolas, Louis
20	CA265908 7A	2007-06-26	CA	CA265908 7A1	METHOD, APPARATUS, SIGNALS, AND MEDIA, FOR SELECTING OPERATING CONDITIONS OF A GENSET PROCEDE, APPAREIL, SIGNAUX ET SUPPORTS POUR SELECTIONNER LES CONDITIONS DE FONCTIONNEMENT D'UN GROUPE GENSET	BOUCHON , NICOLAS LOUIS

20	EP200772 0049A	2007-06-26	EP	EP203527 0A4	METHOD, APPARATUS , SIGNALS , AND MEDIA, FOR SELECTING OPERATING CONDITIONS OF A GENSET VERFAHREN, VORRICHTUNG, SIGNALE UND MEDIEN ZUM WÄHLEN VON BETRIEBSBEDINGUNGEN FÜR EINEN GENERATORMASCHINEN SATZ PROCÉDÉ, APPAREIL, SIGNAUX ET SUPPORTS POUR SÉLECTIONNER LES CONDITIONS DE FONCTIONNEMENT D'UN GROUPE GENSET	LIU WEI
20	US200782 1855A	2007-06-26	US	US200801 22228A1	Method, apparatus, signals and media, for selecting operating conditions of a genset	Liu, Wei
20	WO2007C A1135A	2007-06-26	WO	WO20080 00071B1	METHOD, APPARATUS , SIGNALS , AND MEDIA, FOR SELECTING OPERATING CONDITIONS OF A GENSET PROCÉDÉ, APPAREIL, SIGNAUX ET SUPPORTS POUR SÉLECTIONNER LES CONDITIONS DE FONCTIONNEMENT D'UN GROUPE GENSET	LIU, Wei
21	CA270902 2A	2007-12-11	CA	CA270902 2A1	METHOD AND APPARATUS FOR STARTING AN INTERNAL COMBUSTION ENGINE PROCEDE ET DISPOSITIF DE DEMARRAGE D'UN MOTEUR A COMBUSTION INTERNE	BOUCHON , NICOLAS LOUIS
21	EP200785 5634A	2007-12-11	EP	EP223205 0A1	METHOD AND APPARATUS FOR STARTING AN INTERNAL COMBUSTION ENGINE VERFAHREN UND VORRICHTUNG ZUM STARTEN EINES VERBRENNUNGSMOTORS PROCÉDÉ ET DISPOSITIF DE DÉMARRAGE D'UN MOTEUR À COMBUSTION INTERNE	BOUCHON , Nicolas

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21	WO2007C A2354A	2007-12-11	WO	WO20090 73951A1	METHOD AND APPARATUS FOR STARTING AN INTERNAL COMBUSTION ENGINE PROCÉDÉ ET DISPOSITIF DE DÉMARRAGE D'UN MOTEUR À COMBUSTION INTERNE	BOUCHON , Nicolas
21	US201073 5049A	2010-06-11	US	US201002 51984A1	METHOD AND APPARATUS FOR STARTING AN INTERNAL COMBUSTION ENGINE	Bouchon, Nicolas
22	Pending applicatio n in US - AZD PAT031		US			
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23	Pending provisiona l applicatio n in US - AZD PAT033		US			