

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Ballard Power Systems Inc.	02/04/2008
RECEIVING PARTY DATA	
Name:	Daimler AG
Street Address:	Mercedesstrasse 137
City:	Stuttgart
State/Country:	GERMANY
Postal Code:	70327
Name:	Ford Motor Company
Street Address:	One American Road
City:	Dearborn
State/Country:	MICHIGAN
Postal Code:	48126
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11931874
CORRESPONDENCE DATA	
Fax Number:	(202)628-8844
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	202-624-2500
Email:	ksweeney@crowell.com
Correspondent Name:	Gary R. Edwards
Address Line 1:	Crowell & Moring LLP, IP Group
Address Line 2:	P.O. Box 14300
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20044-4300
ATTORNEY DOCKET NUMBER:	104233.60272US

PATENT

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REEL: 021634 FRAME: 0735

CH \$40.00 11931874

NAME OF SUBMITTER:

Gary R. Edwards, Reg. No. 31,824

Total Attachments: 13

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TO: GARY R. EDWARDS COMPANY: CROWELL & MORING, IP GROUP

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NAME OF SUBMITTER:

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Assignment / Übertragungserklärung

Ballard Power Systems Inc.
9000 Glenlyon Parkway
Burnaby, British Columbia
Canada - V5J 5J8

hereby assigns its rights and interests to the patents
and patent applications - including the priority
rights thereto - listed in the attachment to

überträgt hiermit ihre Anteile an den im Anhang
näher bezeichneten angemeldeten Schutzrechten -
einschließlich der Prioritätsrechte - auf

Daimler AG
Mercedesstrasse 137
70327 Stuttgart
Germany

and/und

Ford Motor Company
One American Road
Dearborn, Michigan 48126
USA

for/für Ballard Power Systems Inc.

Place/Ort: Burnaby, BC, Canada

Date/Datum: Feb. 4/08

By/durch

Name, Position: Noordin Nanji - VP, Chief Customer Officer

Glenn Kumoi - VP, General Counsel & Corporate Secretary

Acceptance / Annahmeerklärung

Daimler AG
Mercedesstrasse 137
70327 Stuttgart
Germany

and/und

Ford Motor Company
One American Road
Dearborn, Michigan 48126
USA

hereby accepts the assignment

nimmt die Übertragung hiermit an

for/für Daimler AG & Ford Motor Company

Place/Ort: Stuttgart, Germany

Date/Datum: 12. Feb. 2008

By/durch

Name(s) + Position(s):

STEPAN WISENFT BY POWER OF ATTORNEY / PATENT ANWALT

Automotive IPR

File No	Ctry	Status	Short Title	Appln. No.	Appln. Date	Grant No.	Grant Date
27528/4	DE	GRA	Coolant for Fuel Cells	19802490.8	23-Jan-98	19802490	24-Jan-02
P033187/DE/1	DE	EXA	Bipolar Plate With Protection Layer (Electrodeposition)	10036272.9	26-Jul-00		
P033217/DE/1	DE	GRA	Brennstoffzellensystem mit einem Brennstoffzellenstapel mit integrierter Verpolschutzdiode	10021907.1	5-May-00	10021907	2-Jun-05
P033217/JP/1	JP	GRA	Brennstoffzellensystem mit einem Brennstoffzellenstapel mit integrierter Verpolschutzdiode	2001-135639	2-May-01	3565434	18-Jun-04
P033217/US/1	US	GRA	Fuel Cell System Having A Fuel Cell Stack With Integrated Polarity Reversal Protection Diode (PTO)	09/849449	7-May-01	6555260	29-Apr-03
P034148/DE/1	DE	EXA	Brennstoffzellensystem sowie Verfahren zum Betreiben des Brennstoffzellensystems	10024570.6	19-May-00		
P034148/EP/2	EP	EXA	Brennstoffzellensystem sowie Verfahren zum Betreiben des Brennstoffzellensystems	6001719.1	27-Jan-06		
P034148/JP/1	JP	GRA	Fuel cell system and method for operating the fuel cell system (unofficial)	2001-149294	18-May-01	3640905	28-Jan-05
P034148/US/1	US	GRA	Fuel Cell System And Method For Operating The Fuel Cell System (PTO)	09/860509	21-May-01	6887609	3-May-05
P111838/DE/1	DE	GRA	Corrosion Resistant PEM Fuel Cell	19937255.1	6-Aug-99	19937255	6-May-04
P111878/DE/1	DE	GRA	Corrosion Resistant PEM Fuel Cell	19947858.9	5-Oct-99	19947858	10-Apr-03
P112114/JP/1	JP	FLD	Elektrisch leitende Mehrfachschichtung für bipolare Platten in Brennstoffzellen	2001-574926	6-Apr-01		
P112114/US/1	US	GRA	Metal Bipolar Plate	10/239432	6-Apr-01	6989213	24-Jan-06
P112707/DE/1	DE	FLD	Gasdiffusionselektrode mit Einer Schicht zur Steuerung der Querdiffusion von Wasser	10260501.7	21-Dec-02		
P112820/DE/1	DE	ALL	A GDE With a Structure for Influencing its Physical Properties	10254114	20-Nov-02		
PAT0007-01CA	CA	GRA	Method and Apparatus for Removing Water from Electrochemical Fuel Cells	2099886	15-Jan-92	2099886	14-Apr-98
PAT0007-01EPDE	DE	GRA	Method and Apparatus for Removing Water from Electrochemical Fuel Cells	92902681.3	15-Jan-92	567499	14-May-97
PAT0007-01EPGB	GB	GRA	Method and Apparatus for Removing Water from Electrochemical Fuel Cells	92902681.3	15-Jan-92	567499	14-May-97
PAT0007-01EPIT	IT	GRA	Method and Apparatus for Removing Water from Electrochemical Fuel Cells	92902681.3	15-Jan-92	567499	14-May-97
PAT0007-01JP	JP	GRA	Method and Apparatus for Removing Water from Electrochemical Fuel Cells	4-502749	15-Jan-92	2703824	3-Oct-97
PAT0007-01US	US	GRA	Method and Apparatus for Removing Water from Electrochemical Fuel Cells	07/641601	15-Jan-91	5260143	9-Nov-93
PAT0007-02AU	AU	GRA	Solid Polymer Fuel Cell Systems Incorporating Anode Water Removal	55413/94	28-Oct-93	675998	17-Jun-97
PAT0007-02CA	CA	GRA	Solid Polymer Fuel Cell Systems Incorporating Anode Water Removal	2146325	28-Oct-93	2146325	7-Jul-98
PAT0007-02EPDE	DE	GRA	Solid Polymer Fuel Cell Systems Incorporating Anode Water Removal	94900413.9	28-Oct-93	671057	14-Jun-00
PAT0007-02EPFR	FR	GRA	Solid Polymer Fuel Cell Systems Incorporating Anode Water Removal	94900413.9	28-Oct-93	671057	14-Jun-00
PAT0007-02EPGB	GB	GRA	Solid Polymer Fuel Cell Systems Incorporating Anode Water Removal	94900413.9	28-Oct-93	671057	14-Jun-00
PAT0007-02US	US	GRA	Solid Polymer Fuel Cell Systems Incorporating Anode Water Removal	07/970614	3-Nov-92	5366818	22-Nov-94
PAT0007-03US	US	GRA	Method and Apparatus for Removing Water from Electrochemical Fuel Cells	08/138714	19-Oct-93	5441819	15-Aug-95
PAT0007-06US	US	GRA	Electrochemical Fuel Cell Stack with Concurrently Flowing Coolant and Oxidant Streams	08/721214	26-Sep-96	5773160	30-Jun-98

Automotive IPR

File No	Ctry	Status	Short Title	Appln. No.	Appln. Date	Grant No.	Grant Date
PAT0016-01AU	AU	GRA	Electrochemical Fuel Cell System With A Regulated Vacuum Ejector For Recirculation Of The Fluid Fuel Stream	42946/96	22-Dec-95	699082	18-Mar-99
PAT0016-01CA	CA	GRA	Electrochemical Fuel Cell System With A Regulated Vacuum Ejector For Recirculation Of The Fluid Fuel Stream	2206588	22-Dec-95	2206588	20-Jun-00
PAT0016-01EPDE	DE	GRA	Electrochemical Fuel Cell System With A Regulated Vacuum Ejector For Recirculation Of The Fluid Fuel Stream	95941557.1	22-Dec-95	800708	16-Feb-00
PAT0016-01EPFR	FR	GRA	Electrochemical Fuel Cell System With A Regulated Vacuum Ejector For Recirculation Of The Fluid Fuel Stream	95941557.1	22-Dec-95	800708	16-Feb-00
PAT0016-01EPGB	GB	GRA	Electrochemical Fuel Cell System With A Regulated Vacuum Ejector For Recirculation Of The Fluid Fuel Stream	95941557.1	22-Dec-95	800708	16-Feb-00
PAT0016-01US	US	GRA	Regulated Ejector for Pressurized Recirculation of Fuel Gas in a Solid Polymer Fuel Cell System	08/363706	23-Dec-94	5441821	15-Aug-95
PAT0033-01AU	AU	GRA	Internal Fluid Manifold Assembly for an Electrochemical Fuel Cell Stack Array	32501/95	31-Aug-95	684669	9-Apr-98
PAT0033-01CA	CA	GRA	Internal Fluid Manifold Assembly for an Electrochemical Fuel Cell Stack Array	2197433	31-Aug-95	2197433	23-Nov-99
PAT0033-01EPDE	DE	GRA	Internal Fluid Manifold Assembly for an Electrochemical Fuel Cell Stack Array	95928921.6	31-Aug-95	780026	27-Oct-99
PAT0033-01EPFR	FR	GRA	Internal Fluid Manifold Assembly for an Electrochemical Fuel Cell Stack Array	95928921.6	31-Aug-95	780026	27-Oct-99
PAT0033-01EPGB	GB	GRA	Internal Fluid Manifold Assembly for an Electrochemical Fuel Cell Stack Array	95928921.6	31-Aug-95	780026	27-Oct-99
PAT0033-01US	US	GRA	Internal Fluid Manifold Assembly for an Electrochemical Fuel Cell Stack Array	08/299536	1-Sep-94	5486430	23-Jan-96
PAT0039-01AU	AU	GRA	Electrochemical Fuel Cell with an Electrode Substrate Having an In-plane Nonuniform Structure for Control of Reactant and Product Transport	67291/96	23-Aug-96	708709	25-Nov-99
PAT0039-01CA	CA	GRA	Electrochemical Fuel Cell with an Electrode Substrate Having an In-plane Nonuniform Structure for Control of Reactant and Product Transport	2229234	23-Aug-96	2229234	9-Apr-02
PAT0039-01EPDE	DE	GRA	Electrochemical Fuel Cell with an Electrode Substrate Having an In-plane Nonuniform Structure for Control of Reactant and Product Transport	96927478.6	23-Aug-96	846347	7-Jun-00
PAT0039-01EPFR	FR	GRA	Electrochemical Fuel Cell with an Electrode Substrate Having an In-plane Nonuniform Structure for Control of Reactant and Product Transport	96927478.6	23-Aug-96	846347	7-Jun-00
PAT0039-01EPGB	GB	GRA	Electrochemical Fuel Cell with an Electrode Substrate Having an In-plane Nonuniform Structure for Control of Reactant and Product Transport	96927478.6	23-Aug-96	846347	7-Jun-00
PAT0039-01EPIT	IT	GRA	Electrochemical Fuel Cell with an Electrode Substrate Having an In-plane Nonuniform Structure for Control of Reactant and Product Transport	96927478.6	23-Aug-96	846347	7-Jun-00
PAT0039-01JP	JP	EXA	Electrochemical Fuel Cell with an Electrode Substrate Having an In-plane Nonuniform Structure for Control of Reactant and Product Transport	9-509648	23-Aug-96		
PAT0039-01US	US	GRA	Electrochemical Fuel Cell with an Electrode Substrate Having an In-plane Nonuniform Structure for Control of Reactant and Product Transport	08/520133	25-Aug-95	5840438	24-Nov-98

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File No	Ctry	Status	Short Title	Appln. No.	Appln. Date	Grant No.	Grant Date
PAT0039-02CA	CA	EXA	Electrochemical Fuel Cell with an Electrode Having an In-plane Nonuniform Structure	2290089	22-Nov-99		
PAT0039-02JP	JP	EXA	Electrochemical Fuel Cell with an Electrode Substrate Having an In-plane Nonuniform Structure for Control of Reactant and Product Transport	2006-348308	25-Dec-06		
PAT0066-03EPDE	DE	GRA	Method Of Making A Resilient Seal For Membrane Electrode Assembly In An Electrochemical Fuel Cell	1119398.4	15-Jul-98	1156546	8-Oct-03
PAT0066-03EPGB	GB	GRA	Method Of Making A Resilient Seal For Membrane Electrode Assembly In An Electrochemical Fuel Cell	1119398.4	15-Jul-98	1156546	8-Oct-03
PAT0066-03EPIT	IT	GRA	Method Of Making A Resilient Seal For Membrane Electrode Assembly In An Electrochemical Fuel Cell	1119398.4	15-Jul-98	1156546	8-Oct-03
PAT0066-03US	US	GRA	An Improved Membrane Electrode Assembly For An Electrochemical Fuel Cell	09/545274	7-Apr-00	6423439	23-Jul-02
PAT0072-01DE	DE	GRA	Fuel Cell Stack Housing (Gehäuse für einen Niedertemperatur-Brennstoffzellenstack)	19724428.9	10-Jun-97	19724428	16-Sep-99
PAT0074-03CA	CA	EXA	Method And Apparatus For Increasing The Temperature Of A Fuel Cell (cold start-up)	2377604	27-Jun-00		
PAT0074-03EPDE	DE	GRA	Method And Apparatus For Increasing The Temperature Of A Fuel Cell (cold start-up)	941832.8	27-Jun-00	1194969	8-Oct-03
PAT0074-03EPGB	GB	GRA	Method And Apparatus For Increasing The Temperature Of A Fuel Cell (cold start-up)	941832.8	27-Jun-00	1194969	8-Oct-03
PAT0074-03JP	JP	EXA	Method And Apparatus For Increasing The Temperature Of A Fuel Cell (cold start-up)	2001-508524	27-Jun-00		
PAT0074-03US	US	GRA	Method And Apparatus For Increasing The Temperature Of A Fuel Cell (cold start-up)	09/345667	30-Jun-99	6329089	11-Dec-01
PAT0074-05US	US	GRA	Method And Apparatus For Increasing The Temperature Of A Fuel Cell	09/822693	30-Mar-01	6764780	20-Jul-04
PAT0083-02CA	CA	EXA	Antifreeze Cooling Subsystem	2344856	17-Sep-99		
PAT0083-02EPDE	DE	GRA	Antifreeze Cooling Subsystem	99944187.6	17-Sep-99	1116296	11-May-05
PAT0083-02EPGB	GB	GRA	Antifreeze Cooling Subsystem	99944187.6	17-Sep-99	1116296	11-May-05
PAT0083-03US	US	ALL	Antifreeze Cooling Subsystem	10/865630	10-Jun-04		
PAT0083-04US	US	FLD	Antifreeze Cooling Subsystem	11/770009	28-Jun-07		
PAT0096-01AU	AU	GRA	Volume Efficient Layered Manifold Assembly For Fuel Cell Stacks	15423/00	7-Dec-99	753998	20-Feb-03
PAT0096-01CA	CA	GRA	Volume Efficient Layered Manifold Assembly For Electrochemical Fuel Cell Stacks	2354513	7-Dec-99	2354513	6-Mar-07
PAT0096-01EPDE	DE	GRA	Volume Efficient Layered Manifold Assembly For Fuel Cell Stacks	99957806.5	7-Dec-99	1147568	12-Mar-03
PAT0096-01EPGB	GB	GRA	Volume Efficient Layered Manifold Assembly For Fuel Cell Stacks	99957806.5	7-Dec-99	1147568	12-Mar-03
PAT0096-01JP	JP	EXA	Volume Efficient Layered Manifold Assembly For Fuel Cell Stacks	2000-588836	7-Dec-99		
PAT0096-01US	US	GRA	Volume Efficient Layered Manifold Assembly For Fuel Cell Stacks	09/215585	17-Dec-98	6159629	12-Dec-00
PAT0139-02CA	CA	EXA	Method And Apparatus For Operating An Electrochemical Fuel Cell	2364010	28-Nov-01		
PAT0139-02US	US	GRA	Method And Apparatus For Operating An Electrochemical Fuel Cell	09/998531	29-Nov-01	6787257	7-Sep-04

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PAT0181-01EPDE	DE	GRA	Systems, Apparatus And Methods For Isolating, Compressing And, Or Retaining The Structure Of A Fuel Cell Stack	2026402.4	26-Nov-02	1341252	17-Jan-07
PAT0181-01EPFR	FR	GRA	Systems, Apparatus And Methods For Isolating, Compressing And, Or Retaining The Structure Of A Fuel Cell Stack	2026402.4	26-Nov-02	1341252	17-Jan-07
PAT0181-01EPGB	GB	GRA	Systems, Apparatus And Methods For Isolating, Compressing And, Or Retaining The Structure Of A Fuel Cell Stack	2026402.4	26-Nov-02	1341252	17-Jan-07
PAT0181-01US	US	GRA	Systems, Apparatus And Methods For Isolating, Compressing And, Or Retaining The Structure Of A Fuel Cell Stack	09/999178	30-Nov-01	6862801	8-Mar-05
PAT0181-02EP	EP	EXA	Method For Assembling A Plurality Of Fuel Cell Stacks	6013735.3	3-Jul-06		
PAT0207-01CA	CA	FLD	Fuel Cell System Shunt Regulator Method And Apparatus	2469412	13-Dec-02		
PAT0207-01US	US	GRA	Fuel Cell System Shunt Regulator Method And Apparatus	10/017483	14-Dec-01	7132185	7-Nov-06
PAT0207-02US	US	FLD	Fuel Cell System Shunt Regulator Method And Apparatus	11/155803	17-Jun-05		
PAT0212-01CA (replaced by 02CA)	CA	ABD	Electrical Contacting Device For A Fuel Cell	2460490	18-Sep-02		
PAT0212-01EPDE	DE	GRA	Electrical Contacting Device For A Fuel Cell	2762180.4	18-Sep-02	1428296	27-Dec-06
PAT0212-01EPFR	FR	GRA	Electrical Contacting Device For A Fuel Cell	2762180.4	18-Sep-02	1428296	27-Dec-06
PAT0212-01EPGB	GB	GRA	Electrical Contacting Device For A Fuel Cell	2762180.4	18-Sep-02	1428296	27-Dec-06
PAT0212-01JP	JP	EXA	Electrical Contacting Device For A Fuel Cell	2003-529578	18-Sep-02		
PAT0212-02CA	CA	FLD	Electrical Contacting Device For A Fuel Cell	2459808	5-Mar-04		
PAT0212-02US	US	EXA	Electrical Contacting Device For A Fuel Cell	10/384399	6-Mar-03		
PAT0313-01CA	CA	FLD	Flow Field Plate Assembly For An Electrochemical Fuel Cell	2425226	11-Apr-03		
PAT0313-01US	US	GRA	Flow Field Plate Assembly For An Electrochemical Fuel Cell	10/122048	12-Apr-02	6783884	31-Aug-04
PAT0314-02CA	CA	EXA	Methods And Apparatus For Improving The Cold Starting Capability Of A Fuel Cell	2379363	28-Mar-02		
PAT0314-02US	US	GRA	Methods and Apparatus for Improving the Cold Starting Capability of a Fuel Cell	10/109982	28-Mar-02	7132179	7-Nov-06
PAT0314-03US	US	FLD	Methods And Apparatus For Improving The Cold Starting Capability Of A Fuel Cell	11/533702	20-Sep-06		
PAT0357-01CA	CA	FLD	Fuel Cell System With Fluid Stream Recirculation	2539398	17-Sep-04		
PAT0357-01CN	CN	EXA	Fuel Cell System With Fluid Stream Recirculation	2.0048E+11	17-Sep-04		
PAT0357-01EP	EP	EXA	Fuel Cell System With Fluid Stream Recirculation	4784550.8	17-Sep-04		
PAT0357-01IN	IN	EXA	Fuel Cell System With Fluid Stream Recirculation	703/KOLNP/2006	17-Sep-04		
PAT0357-01JP	JP	FLD	Fuel Cell System With Fluid Stream Recirculation	2006-527103	17-Sep-04		

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PAT0357-01KR	KR	FLD	Fuel Cell System With Fluid Stream Recirculation	10-2006-7007472	17-Sep-04		
PAT0357-01US	US	EXA	Fuel Cell System With Fluid Stream Recirculation	10/666919	18-Sep-03		
PAT0359-01CA	CA	FLD	Fuel Cell Stacks Of Alternating Polarity Membrane Electrode Assemblies	2500680	10-Mar-05		
PAT0359-01US	US	FLD	Fuel Cell Stacks of Alternating Polarity Membrane Electrode Assemblies	10/798714	10-Mar-04		
PAT0364-02CA	CA	FLD	Ambient Pressure Fuel Cell System Employing Partial Air Humidification	2518103	3-Mar-04		
PAT0364-02CN	CN	EXA	Ambient Pressure Fuel Cell System Employing Partial Air Humidification	200480009794.2	3-Mar-04		
PAT0364-02EP	EP	EXA	Ambient Pressure Fuel Cell System Employing Partial Air Humidification	4716522	3-Mar-04		
PAT0364-02IN	IN	EXA	Ambient Pressure Fuel Cell System Employing Partial Air Humidification	1817/KOLNP/2005	3-Mar-04		
PAT0364-02JP	JP	EXA	Ambient Pressure Fuel Cell System Employing Partial Air Humidification	2006-504064	3-Mar-04		
PAT0364-02US	US	EXA	Ambient Pressure Fuel Cell System Employing Partial Air Humidification	10/792403	3-Mar-04		
PAT0366-01CA	CA	FLD	Prevention Of Membrane Contamination In Electrochemical Fuel Cells	2483777	1-Oct-04		
PAT0366-01EP	EP	EXA	Prevention Of Membrane Contamination In Electrochemical Fuel Cells	4025056.5	21-Oct-04		
PAT0366-01US	US	EXA	Prevention Of Membrane Contamination In Electrochemical Fuel Cells	10/693672	23-Oct-03		
PAT0368-01CA	CA	FLD	Membrane Electrode Assembly With Integrated Seal	2519951	15-Mar-04		
PAT0368-01EPDE	DE	GRA	Membrane Electrode Assembly With Integrated Seal	4760761.9	15-Mar-04	1614181	12-Jul-06
PAT0368-01EPGB	GB	GRA	Membrane Electrode Assembly With Integrated Seal	4760761.9	15-Mar-04	1614181	12-Jul-06
PAT0368-01JP	JP	EXA	Membrane Electrode Assembly With Integrated Seal	2006-529481	15-Mar-04		
PAT0368-01US	US	GRA	Membrane Electrode Assembly With Integrated Seal	10/395874	24-Mar-03	7070876	4-Jul-06
PAT0368-02US!	US	FLD	Membrane Electrode Assembly With Integrated Seal	11/436122	17-May-06		
PAT0375-01CA	CA	FLD	Hydrogen Concentration Sensor For An Electrochemical Fuel Cell	2502253	24-Mar-05		
PAT0375-01US	US	GRA	Hydrogen Concentration Sensor For An Electrochemical Fuel Cell	10/811791	29-Mar-04	7169490	30-Jan-07
PAT0393-01US!	US	FLD	Integrated Seal For Fuel Cell Assembly And Fuel Cell Stack	11/207578	19-Aug-05		
PAT0393-01WO	WO	FLD	Integrated Seal For Fuel Cell Assembly And Fuel Cell Stack	US2006/032236	17-Aug-06		
PAT0431-01CA	CA	FLD	Electrically Balanced Fluid Manifold Assembly For An Electrochemical Fuel Cell System	2590020	27-Dec-05		
PAT0431-01CN	CN	EXA	Electrically Balanced Fluid Manifold Assembly For An Electrochemical Fuel Cell System	2.0058E+11	27-Dec-05		
PAT0431-01EP	EP	EXA	Electrically Balanced Fluid Manifold Assembly For An Electrochemical Fuel Cell System	5855939.4	27-Dec-05		
PAT0431-01IN	IN	FLD	Electrically Balanced Fluid Manifold Assembly For An Electrochemical Fuel Cell System	2228/KOLNP/2007	27-Dec-05		
PAT0431-01JP	JP	FLD	Electrically Balanced Fluid Manifold Assembly For An Electrochemical Fuel Cell System	2007-548602	27-Dec-05		

Automotive IPR

File No	Ctry	Status	Short Title	Appln. No.	Appln. Date	Grant No.	Grant Date
PAT0431-01KR	KR	FLD	Electrically Balanced Fluid Manifold Assembly For An Electrochemical Fuel Cell System	10-2007-7017207	27-Dec-05		
PAT0431-01US	US	FLD	Electrically Balanced Fluid Manifold Assembly For An Electrochemical Fuel Cell System	11/024048	28-Dec-04		
PAT0439-01US	US	FLD	AC Impedance Monitoring of Fuel Cell Stack	10/876267	23-Jun-04		
PAT0449-02CA	CA	FLD	Subdivided Cooling Circuit For A Fuel Cell System	2554800	8-Feb-05		
PAT0449-02CN	CN	EXA	Subdivided Cooling Circuit For A Fuel Cell System	2.0058E+11	8-Feb-05		
PAT0449-02EP	EP	EXA	Subdivided Cooling Circuit For A Fuel Cell System	5713262.3	8-Feb-05		
PAT0449-02JP	JP	FLD	Subdivided Cooling Circuit For A Fuel Cell System	2006-552367	8-Feb-05		
PAT0449-02KR	KR	FLD	Subdivided Cooling Circuit For A Fuel Cell System	10-2006-7018268	8-Feb-05		
PAT0449-02US	US	FLD	Cooling Subsystem for an Electrochemical Fuel Cell System	10/936461	8-Sep-04		
PAT0449-03US	US	FLD	Cooling Subsystem For An Electrochemical Fuel Cell System	10/935901	8-Sep-04		
PAT0456-01US	US	FLD	Cooling Subsystem For An Electrochemical Fuel Cell System	10/860554	2-Jun-04		
PAT0493-01CA	CA	FLD	Fuel Release Management For Fuel Cell Systems	2560665	4-Apr-05		
PAT0493-01CN	CN	EXA	Fuel Release Management For Fuel Cell Systems	2.0058E+11	4-Apr-05		
PAT0493-01EP	EP	EXA	Fuel Release Management For Fuel Cell Systems	5736394.7	4-Apr-05		
PAT0493-01IN	IN	FLD	Fuel Release Management For Fuel Cell Systems	2825/KOLNP/2006	4-Apr-05		
PAT0493-01JP	JP	FLD	Fuel Release Management For Fuel Cell Systems	2007-506378	4-Apr-05		
PAT0493-01KR	KR	FLD	Fuel Release Management For Fuel Cell Systems	10-2006-7023209	4-Apr-05		
PAT0493-02US	US	FLD	Fuel Release Management For Fuel Cell Systems	10/594195	4-Apr-05		
PAT0503-01JP	JP	GRA	Fuel Cell Automobile	5012904	28-Jan-93	3349742	13-Sep-02
PAT0596-01US	US	FLD	Drying Method For Fuel Cell Stacks	11/061854	17-Feb-05		
PAT0596-01WO	WO	NAT	Improved Drying Method For Fuel Cell Stacks	US2006/005365	16-Feb-06		
PAT0596-01CA	CA	FLD	Improved Drying Method For Fuel Cell Stacks		16-Feb-06		
PAT0598-02CA	CA	FLD	Fuel Cell System Method And Apparatus	2583549	19-Oct-05		
PAT0598-02CN	CN	EXA	Fuel Cell System Method And Apparatus	2.0058E+11	19-Oct-05		
PAT0598-02EP	EP	EXA	Fuel Cell System Method And Apparatus	5815018.6	19-Oct-05		
PAT0598-02JP	JP	FLD	Fuel Cell System Method And Apparatus	2007-538037	19-Oct-05		
PAT0598-02US	US	FLD	Fuel Cell System Method And Apparatus	11/253057	18-Oct-05		
PAT0629-01CA	CA	FLD	Passive Microcoolant Loop For An Electrochemical Fuel Cell	2589445	20-Dec-05		
PAT0629-01CN	CN	FLD	Passive Microcoolant Loop For An Electrochemical Fuel Cell	2.0058E+11	20-Dec-05		
PAT0629-01EP	EP	EXA	Passive Microcoolant Loop For An Electrochemical Fuel Cell	5854888.4	20-Dec-05		
PAT0629-01IN	IN	FLD	Passive Microcoolant Loop For An Electrochemical Fuel Cell	2459/KOLNP/2007	20-Dec-05		

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PAT0629-01JP	JP	FLD	Passive Microcoolant Loop For An Electrochemical Fuel Cell		20-Dec-05		
PAT0629-01KR	KR	FLD	Passive Microcoolant Loop For An Electrochemical Fuel Cell	10-2007-7016747	20-Dec-05		
PAT0629-01US	US	FLD	Passive Microcoolant Loop For An Electrochemical Fuel Cell	11/019084	21-Dec-04		
PAT0631-02CA	CA	FLD	Thermal Control of Fuel Cell for Improved Cold Start		21-Jun-06		
PAT0631-02EP	EP	EXA	Thermal Control of Fuel Cell for Improved Cold Start	6785381.2	21-Jun-06		
PAT0631-02US	US	FLD	Thermal Control of Fuel Cell for Improved Cold Start	11/472819	21-Jun-06		
PAT0631-02WO	WO	FLD	Thermal Control of Fuel Cell for Improved Cold Start	US2006/024378	21-Jun-06		
PAT0642-01CA	CA	FLD	Fuel Cell Metallic Separator	2531614	23-Dec-05		
PAT0642-01US	US	FLD	Fuel Cell Metallic Separator	11/024047	28-Dec-04		
PAT0660-02US!	US	FLD	Electrochemical Fuel Cell Stack Having Staggered Fuel And Oxidant Plenums	11/764721	18-Jun-07		
PAT0672-01US!	US	FLD	System and Method for Mixing Gases in a Fuel Cell Exhaust System	11/282302	18-Nov-05		
PAT0673-01US!	US	FLD	Fuel Cell Water Management System And Method	11/318064	23-Dec-05		
PAT0673-01WO	WO	FLD	Fuel Cell Water Management System And Method	US2006/048911	20-Dec-06		
PAT0680-01US!	US	FLD	Seal For Fuel Cell	11/207579	19-Aug-05		
PAT0680-01WO	WO	FLD	Seal For Fuel Cell	US2006/032490	18-Aug-06		
PAT0683-01US!	US	FLD	Fuel Cell System with Improved Fuel Recirculation	11/406830	19-Apr-06		
PAT0683-01WO	WO	FLD	Fuel Cell System with Improved Fuel Recirculation	US2007/009586	18-Apr-07		
PAT0719-02US	US	FLD	Hydration Sensor Apparatus for Measuring Membrane Hydration in a Fuel Cell Stack	11/561243	17-Nov-06		
PAT0725-01US!	US	FLD	Apparatus and Method for Managing Fluids in a Fuel Cell Stack	60/865708	14-Nov-06		
PAT0725-01WO	WO	FLD	Apparatus and Method for Managing Fluids in a Fuel Cell Stack		13-Nov-07		
PAT0744-01US!	US	FLD	Fuel Cell Hibernation Mode Method and Apparatus	11/592700	2-Nov-06		
PAT0744-01WO	WO	FLD	Fuel Cell Hibernation Mode Method and Apparatus	US2007/082868	29-Oct-07		
PAT0748-01US!	US	FLD	Unit Cell Header Flow Enhancement	11/675862	16-Feb-07		
PAT0838-01US!	US	FLD	Bipolar Flow Field Plate Assembly and Method of Making the Same	11/509325	23-Aug-06		
PAT0838-01WO	PCT	FLD	Bipolar Flow Field Plate Assembly and Method of Making the Same	US2007/018573	22-Aug-07		
PAT0839-02US	US	FLD	Apparatus and Method for Managing a Flow of Cooling Media in a Fuel Cell Stack	11/843278	22-Aug-07		
PAT0848-01US!	US	FLD	Methods of Operating Fuel Cell Systems Having a Humidification Device	11/839449	15-Aug-07		
PAT0860-02US	US	FLD	Bipolar Separators With Improved Fluid Distribution	11/843063	22-Aug-07		
PAT0860-02WO	PCT	FLD	Bipolar Separators With Improved Fluid Distribution	US2007/018575	22-Aug-07		
PAT0867-01US!	US	EXP	System And Method Of Purging Fuel Cell Stacks	60/864722	7-Nov-06		
PAT0867-02US	US	FLD	System And Method Of Purging Fuel Cell Stacks	11/931874	31-Oct-07		
PAT0933-01DE	DE	EXA	Method And System For Fuel Cell Control	10240763	30-Aug-02		

PATENT

REEL: 021634 FRAME: 0746

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File No	Ctry	Status	Short Title	Appln. No.	Appln. Date	Grant No.	Grant Date
PAT0933-01GB	GB	GRA	Method And System For Fuel Cell Control	20020014915	28-Jun-02	2379809	29-Oct-03
PAT0933-01JP	JP	GRA	Method And System For Fuel Cell Control	2002221612	30-Jul-02	3657582	18-Mar-05
PAT0933-01US	US	GRA	Method And System For Fuel Cell Control	09/945047	31-Aug-01	6794844	21-Sep-04