

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.	03/20/2008

RECEIVING PARTY DATA	
Name:	BDF IP Holdings Ltd.
Street Address:	1700 - 666 Burrard Street
City:	Vancouver
State/Country:	BRITISH COLUMBIA
Postal Code:	V6C 2X8

PROPERTY NUMBERS Total: 163

Property Type	Number
Patent Number:	6677066
Patent Number:	6444345
Patent Number:	6706435
Patent Number:	7022427
Patent Number:	5547776
Patent Number:	5176966
Patent Number:	5366821
Patent Number:	5422411
Patent Number:	5498639
Patent Number:	5602185
Patent Number:	5684192
Patent Number:	5773480
Patent Number:	5834523
Patent Number:	5985942
Patent Number:	6258861

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Patent Number:	6437011
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Application Number:	61013399
Application Number:	11961883
Application Number:	11860354
Application Number:	60991621
Application Number:	61014274
Application Number:	61014352

CORRESPONDENCE DATA

Fax Number: (206)682-6031
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ATTORNEY DOCKET NUMBER:	130109.005
NAME OF SUBMITTER:	Karl R. Hermanns

Total Attachments: 23
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ASSIGNMENT

This Assignment Effective As Of: January 31, 2008

WHEREAS, **Ballard Power Systems Inc.** (hereinafter referred to as "BALLARD"), a Canadian corporation, having a place of business at 9000 Glenlyon Parkway, Burnaby, British Columbia, Canada V5J 5J8, is the sole owner of record of the inventions, patents and patent applications listed in Schedule A attached hereto (hereinafter the "Subject IPR");

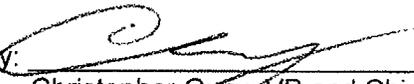
WHEREAS, **BDF IP Holdings Ltd.** (hereinafter referred to as "IP HOLDINGS"), a Canadian corporation, having a registered and records office at 1700 – 666 Burrard Street, Vancouver, British Columbia, Canada V6C 2X8, is desirous of acquiring the entire right, title and interest in and to the Subject IPR pursuant to: the Holding Structure Agreement dated December 5, 2007, between BALLARD, Daimler AG and Ford Motor Company, together with any transactions contemplated there under; the Restructuring Agreement dated November 7, 2007, between the same parties, together with any transactions contemplated there under; and, without limiting the generality of the foregoing, the Fundamental IPR Transfer Agreement dated January 31, 2008 between BALLARD and IP HOLDINGS;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, BALLARD hereby assigns and transfers unto IP HOLDINGS the entire right, title and interest in and to the Subject IPR, including said inventions, patents and patent applications, and any and all letters patent which may be granted for the Subject IPR in any country worldwide including but not limited to the United States of America and its territorial possessions, Australia, Canada, China, India, Japan, Korea, and Europe, including any divisions, reissues and continuations thereof, and including the priority rights to file foreign applications directly in the name of IP HOLDINGS, said inventions, applications and all letters patent on said Subject IPR to be held and enjoyed by IP HOLDINGS and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by BALLARD had this assignment and transfer not been made.

BALLARD agrees to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on the Subject IPR, for litigation regarding said letters patent, or for the purpose of protecting title to the Subject IPR.

Ballard Power Systems Inc.

Place: Burnaby, BC, Canada Date: 3/26/08

By:  By: 
Glenn Kumoi, VP, ~~General Counsel HR~~ & Corporate Secretary Christopher Guzy, VP and Chief Technology Officer

Acceptance

BDF IP Holdings Ltd.

Place: Burnaby, BC, Canada Date: 3/31/08

By: 
Glenn Kumoi, Officer

REDACTED

Schedule A

Transferred Fundamental IPR

File No	Ctry	Status	Short Title	Appl. No.	Appl. Date	Grant No.	Grant Date
27912/US/1	US	GRA	Circuit System for an Integrated Fuel Cell System	09/720434	8-May-99	6677066	13-Jan-04
P032141/US/1	US	GRA	Fuel Cell System (PTO)	09/761660	18-Jan-01	6444345	3-Sep-02
P032207/US/1	US	GRA	Fuel Cell With Polymer Electrolyte Membrane	10/009342	2-Jun-00	6706435	16-Mar-04
P034513/US/1	US	GRA	Membrane For A Fuel Cell And Method For Producing The Same	10/069609	30-Aug-00	7022427	4-Apr-06
P034513/US/2	US	FLD	Method for Producing a Membrane for a Fuel Cell	11/351697	10-Feb-06		
P036818/US/1	US	ABD	Membrane Electrode Assembly For A Self-Humidifying Fuel Cell (PTO)	10/489943	14-Sep-02		
P037157/US/1	US	FLD	Fuel Cell System And Method For Operating Same	10/494984	8-Nov-02		

Transferred Fundamental IPR

File No	Ctry	Status	Short Title	Appln. No.	Appln. Date	Grant No.	Grant Date
PAT0007-04US	US	GRA	Electrochemical Fuel Cell Stack with Concurrently Flowing Coolant and Oxidant Streams	08/265414	24-Jun-94	5547776	20-Aug-96
PAT0010-01US	US	GRA	Fuel Cell Membrane Electrode & Seal Assembly	07/615363	19-Nov-90	5176966	5-Jan-93
PAT0017-01US	US	GRA	Constant Voltage Fuel Cell with Improved Oxidant Control System	07/850570	13-Mar-92	5366821	22-Nov-94

Transferred Fundamental IPR

File No	Ctry	Status	Short Title	Appl. No.	Appl. Date	Grant No.	Grant Date
PAT0020-01US	US	GRA	Trifluorostyrene And Substituted Trifluorostyrene Copolymeric Compositions And Ion-Exchange Membranes Formed Therefrom	08/124924	21-Sep-93	5422411	6-Jun-95
PAT0020-02US	US	GRA	Trifluorostyrene And Substituted Trifluorostyrene Copolymeric Ion-Exchange Membranes	08/442206	16-May-95	5498639	12-Mar-96
PAT0020-03US	US	GRA	Substituted Trifluorostyrene Compositions	08/480098	6-Jun-95	5602185	11-Feb-97
PAT0020-05US	US	GRA	Substituted Trifluorostyrene Compositions	08/575349	20-Dec-95	5684192	4-Nov-97

Transferred Fundamental IPR

File No	Ctry	Status	Short Title	Appl. No.	Appl. Date	Grant No.	Grant Date
PAT0020-07US	US	GRA	Trifluorostyrene And Substituted Trifluorostyrene Copolymeric Compositions And Ion-Exchange Membranes Formed Therefrom	08/768615	18-Dec-96	5773480	30-Jun-98
PAT0020-08US	US	GRA	Trifluorostyrene-Based And Substituted Trifluorostyrene-Based Composite Membranes	08/583638	31-Dec-97	5834523	10-Nov-98
PAT0020-09US	US	GRA	Alpha, Beta, Beta-Trifluorostyrene-Based Composite Membranes	09/186449	5-Nov-98	5985942	16-Nov-99
PAT0020-10US	US	GRA	Alpha, Beta, Beta-Trifluorostyrene-Based Composite Membranes	09/441181	15-Nov-99	6258861	10-Jul-01
PAT0020-11US	US	GRA	Alpha, Beta, Beta-Trifluorostyrene-Based Composite Membranes	09/901269	9-Jul-01	6437011	20-Aug-02
PAT0023-01US	US	GRA	Method of Fabricating an Embossed Fluid Flow Field Plate	08/165076	10-Dec-93	5527363	18-Jun-96
PAT0035-02US	US	GRA	Porous Electrode Substrate for an Electrochemical Fuel Cell	08/768650	18-Dec-96	5863673	26-Jan-99
PAT0035-03US	US	GRA	Porous Electrode Substrate for an Electrochemical Fuel Cell	09/217177	21-Dec-98	6060190	9-May-00
PAT0039-03US	US	GRA	Electrochemical Fuel Cell with an Electrode Having an In-plane Nonuniform Structure	10/072813	8-Feb-02	6924057	2-Aug-05

Transferred Fundamental IPR

File No	Ctry	Status	Short Title	Appln. No.	Appln. Date	Grant No.	Grant Date
PAT0046-01US	US	GRA	Integrated Reactant And Coolant Fluid Flow Field Layer For An Electrochemical Fuel Cell ("Edge Cooling")	08/770321	20-Dec-96	5804326	8-Sep-98
PAT0050-01US	US	GRA	M/A for Commencing Operation of a Fuel Cell Electric Power Generation System Below the Freezing Temperature of Water	08/659921	7-Jun-96	5798186	25-Aug-98
PAT0050-03US	US	GRA	Method For Improving The Cold Starting Capability Of An Electrochemical Fuel Cell	09/406318	27-Sep-99	6479177	12-Nov-02
PAT0050-07US	US	FLD	Apparatus For Improving The Cold Starting Capability Of An Electrochemical Fuel Cell	10/833228	26-Apr-04		
PAT0052-01US	US	GRA	Method and Apparatus For Detecting And Locating Perforations In Membranes Employed In Electrochemical Cells	08/719342	25-Sep-96	5763765	9-Jun-98

Transferred Fundamental IPR

File No	Ctry	Status	Short Title	Appl. No.	Appl. Date	Grant No.	Grant Date
PAT0054-01US	US	GRA	Electrochemical Cell with Fluid Distribution Layer Having Integral Sealing Capability	08/846653	1-May-97	5976726	2-Nov-99
PAT0054-03US	US	GRA	Electrochemical Cell with Fluid Distribution Layer Having Integral Sealing Capability	09/384531	27-Aug-99	6350538	26-Feb-02
PAT0054-05US	US	GRA	Fuel Cell Fluid Distribution Layer Having Integral Sealing Capability	10/180197	26-Jun-02	6974647	13-Dec-05
PAT0055-01US	US	GRA	Graft Polymeric Membranes And Ion-Exchange Membranes Formed Therefrom	08/967960	12-Nov-97	6359019	19-Mar-02

Transferred Fundamental IPR

File No	Ctry	Status	Short Title	Appln. No.	Appln. Date	Grant No.	Grant Date
PAT0055-03US	US	GRA	Graft Polymeric Membranes And Ion-Exchange Membranes Formed Therefrom	09/934176	21-Aug-01	6723758	20-Apr-04
PAT0056-01US	US	GRA	Electrochemical Fuel Cell Stack with Compression Bands	08/752735	19-Nov-96	5789091	4-Aug-98
PAT0056-02US	US	GRA	Electrochemical Fuel Cell Stack with Compression Bands	09/096769	12-Jun-98	5993987	30-Nov-99
PAT0058-01US	US	GRA	Method And Apparatus For Distributing Water To A Solid Polymer Ion-Exchange Membrane In A Fuel Cell ("Flow Switching")	08/980496	1-Dec-97	5935726	10-Aug-99
PAT0058-02US	US	GRA	Method And Apparatus For Distributing Water To A Solid Polymer Ion-Exchange Membrane In A Fuel Cell ("Flow Switching")	09/322871	28-May-99	6322914	27-Nov-01
PAT0058-03US	US	GRA	Method And Apparatus For Distributing Water In An Array Of Fuel Cell Stacks	10/003160	31-Oct-01	6753106	22-Jun-04

Transferred Fundamental IPR

File No	Ctry	Status	Short Title	Appln. No.	Appln. Date	Grant No.	Grant Date
PAT0066-02US	US	GRA	Membrane Electrode Assembly For An Electrochemical Fuel Cell And A Method Of Making An Improved Membrane Electrode Assembly	09/116179	15-Jul-98	6057054	2-May-00
PAT0068-01US	US	GRA	Electrochemical Fuel Cell Stack With Improved Reactant Manifolding An Sealing (Bridgeless Flow Field Plates)	09/116270	16-Jul-98	6066409	23-May-00
PAT0068-02US	US	GRA	Electrochemical Fuel Cell Stack With Improved Reactant Manifolding And Sealing ("Backfeed Design")	09/471564	23-Dec-99	6232008	15-May-01
PAT0068-03US	US	GRA	Electrochemical Fuel Cell Stack With Improved Reactant Manifolding And Sealing ("Backfeed Design")	09/822596	30-Mar-01	6607858	19-Aug-03
PAT0068-04US	US	GRA	Electrochemical Fuel Cell Stack With Improved Reactant Manifolding And Sealing ("Backfeed Design")	10/438093	14-May-03	6764783	20-Jul-04
PAT0068-05US	US	GRA	Electrochemical Fuel Cell Stack With Improved Reactant Manifolding And Sealing ("Backfeed Design")	10/868393	15-Jun-04	6946212	20-Sep-05
PAT0071-01US	US	GRA	Integrated Seal For A PEM Fuel Cell	08/751096	15-Nov-96	5928807	27-Jul-99

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File No	Ctry	Status	Short Title	Appln. No.	Appln. Date	Grant No.	Grant Date
PAT0073-02US	US	GRA	Continuous Method For Manufacturing A Laminated Electrolyte And Electrode Assembly	09/216207	18-Dec-98	6291091	18-Sep-01
PAT0074-01US	US	GRA	Method And Apparatus For Operating An Electrochemical Fuel Cell With Periodic Fuel Starvation At The Anode	08/998133	23-Dec-97	6096448	1-Aug-00
PAT0075-02US	US	GRA	Impregnation of Microporous Electrocatalyst Particles For Improving Performance In An Electrochemical Fuel Cell	09/623254	4-Mar-99	6610432	26-Aug-03
PAT0076-01US	US	GRA	Polymer Electrolyte Membrane Electrochemical Cells and Stacks with Adhesively Bonded Layers ("Adhesive Stack")	09/048817	26-Mar-98	6080503	27-Jun-00
PAT0076-02US	US	GRA	Polymer Electrolyte Membrane Electrochemical Cells and Stacks with Adhesively Bonded Layers ("Adhesive Stack")	09/523240	10-Mar-00	6495278	17-Dec-02
PAT0078-02US	US	GRA	Method of Reducing Fuel Cell Performance Degradation Of An Electrode Comprising Porous Components	09/280147	26-Mar-99	6306536	23-Oct-01

Transferred Fundamental IPR

File No	Ctry	Status	Short Title	Appl. No.	Appl. Date	Grant No.	Grant Date
PAT0079-01US	US	GRA	Process for the Manufacture of an Electrode for a Solid Polymer Fuel Cell	09/211336	14-Dec-98	6258239	10-Jul-01
PAT0088-01US	US	GRA	Fuel Cell System With Improved Starting Capability	09/191049	12-Nov-98	6410175	25-Jun-02
PAT0090-01US	US	GRA	Method And Apparatus For Operating A Fuel Cell	09/455033	6-Dec-99	6461751	8-Oct-02
PAT0091-01US	US	GRA	Method And Apparatus For Detecting A Leak Within A Fuel Cell	09/220163	23-Dec-98	6492043	10-Dec-02
PAT0097-01US	US	GRA	Enclosure For Electrical Components Installed In Locations Where A Flammable Gas Or Vapor Is Expected To Be Present	09/291505	14-Apr-99	6372983	16-Apr-02
PAT0099-02US	US	GRA	Fuel Cell Assembly With An Improved Gas Sensor ("Hydrogen Sensor")	09/738074	15-Dec-00	6852434	8-Feb-05
PAT0100-02US	US	GRA	Fuel Cell Anode Structures For Voltage Reversal Tolerance	09/585696	1-Jun-00	6517962	11-Feb-03
PAT0102-03US	US	EXA	Supported Catalysts For The Anode Of A Voltage Reversal Tolerant Fuel Cell	10/689876	20-Oct-03		
PAT0108-01US	US	GRA	Stripped Porous Polymer Films And Methods Of Making Such Films	09/451478	30-Nov-99	6497977	24-Dec-02
PAT0109-01US	US	GRA	Fuel Cell Separator Plate With Discrete Fluid Distribution Features ("Discrete Plate")	09/471704	23-Dec-99	6413664	2-Jul-02
PAT0112-02US	US	GRA	Membrane Exchange Humidifier	09/800751	7-Mar-01	6864005	8-Mar-05
PAT0112-03US	US	GRA	Method for Humidifying a Reactant Stream for a Fuel Cell	11/050409	2-Feb-05	7078117	18-Jul-06
PAT0112-04US	US	FLD	Method for Humidifying a Reactant Stream for a Fuel Cell	11/450804	8-Jun-06		

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File No	Ctry	Status	Short Title	Appln. No.	Appln. Date	Grant No.	Grant Date
PAT0115-02US	US	GRA	Method For Embossing Expanded Graphite Sheet Material Under Reduced Pressure	09/747571	22-Dec-00	6797091	28-Sep-04
PAT0119-01US	US	GRA	Control Process For Impregnating Porous Parts And Apparatus Therefor ("Grafoil")	09/619324	19-Jul-00	6299933	9-Oct-01
PAT0120-03US	US	GRA	Control Process for Impregnating Porous Parts and Apparatus Therefor	09/896173	29-Jun-01	6534115	18-Mar-03
PAT0125-02US	US	GRA	Fluid Diffusion Layers For Fuel Cells	09/951655	13-Sep-01	6667127	23-Dec-03
PAT0132-01US	US	GRA	Corrugated Flow Field Plate Assembly For A Fuel Cell	09/749489	26-Dec-00	6544681	8-Apr-03
PAT0136-01US	US	GRA	Encapsulating Seals For Electrochemical Cell Stacks And Methods Of Sealing Electrochemical Cell Stacks	09/706930	6-Nov-00	6596427	22-Jul-03
PAT0145-01US	US	GRA	Compression Mechanism For An Electrochemical Fuel Cell Assembly (Springsheet)	09/748658	22-Dec-00	6663996	16-Dec-03
PAT0148-01US	US	GRA	Method Of Cutting Expanded Graphite Sheet Material	09/772276	29-Jan-01	6649102	18-Nov-03
PAT0148-02US	US	GRA	Method And Aparatus For Cutting Expanded Graphite Sheet Material	10/442930	21-May-03	6997696	14-Feb-06
PAT0151-01US	US	GRA	Method Of Making Fluid Layers And Electrodes Having Reduced Surface Roughness	09/859130	16-May-01	6713424	30-Mar-04

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File No	Ctry	Status	Short Title	Appln. No.	Appln. Date	Grant No.	Grant Date
PAT0154-02US	US	GRA	Ion-Exchange Materials With Improved Ion Conductivity	10/144663	13-May-02	6765027	20-Jul-04
PAT0167-01US	US	GRA	Aqueous Ionmeric Gels And Products And Methods Related Thereto	10/015528	12-Dec-01	6679979	20-Jan-04
PAT0167-02US	US	GRA	Aqueous Ionmeric Gels And Products And Methods Related Thereto	10/712400	12-Nov-03	7060166	13-Jun-06
PAT0167-03US	US	FLD	Aqueous Ionmeric Gels and Products and Methods Related Thereto	11/432677	11-May-06		
PAT0172-01US	US	GRA	Fuel Cell System Automatic Power Switching Method And Apparatus	09/916239	25-Jul-01	6979504	27-Dec-05
PAT0176-01US	US	GRA	Abraded Fluid Diffusion Layer For An Electrochemical Fuel Cell	09/847461	2-May-01	6716551	6-Apr-04
PAT0177-02US	US	GRA	Method, Apparatus And Article To Test Fuel Cells	10/076857	14-Feb-02	6798221	28-Sep-04
PAT0182-02US	US	GRA	Fuel Cell System For Operation At Pressures Below The Pressure Of The Surrounding Environment And Method Of Operation Thereof	10/306190	27-Nov-02	6926981	9-Aug-05
PAT0183-03US	US	GRA	Double Belt Bonding Process And Apparatus	10/137506	30-Apr-02	6823584	30-Nov-04
PAT0185-01US	US	GRA	Composite Ion Exchange Membrane For Use In A Fuel Cell	09/866387	25-May-01	6689501	10-Feb-04
PAT0202-01US	US	GRA	Systems, Apparatus And Methods For Bonding And/Or Sealing Electrochemical Cell Elements And Assemblies	09/888074	22-Jun-01	6777127	17-Aug-04
PAT0208-03US	US	GRA	Process For Impregnating Porous Parts	10/209951	31-Jul-02	6800328	5-Oct-04

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File No	Ctry	Status	Short Title	Appln. No.	Appln. Date	Grant No.	Grant Date
PAT0215-01US	US	GRA	Electrochemical Fuel Cell With Non-Uniform Fluid Flow Design	10/004528	23-Oct-01	6756149	29-Jun-04
PAT0223-01US	US	GRA	Synthesis of Alpha, Beta, Beta-Trifluorostyrene via In-situ Formation of Trifluorovinyl Metal Halide	10/017485	14-Dec-01	6653515	25-Nov-03
PAT0275-01US	US	GRA	Separator With Fluid Distribution Features For Use With A Membrane Electrode Assembly In A Fuel Cell	10/037928	4-Jan-02	6844101	18-Jan-05
PAT0288-01US	US	GRA	Method Of Fabricating Fluid Flow Field Plates	10/082545	25-Feb-02	6818165	16-Nov-04
PAT0325-02US	US	GRA	Application Of An Ionomer Layer To A Substrate And Products Related Thereto	10/728720	4-Dec-03	6867159	15-Mar-05
PAT0328-01US	US	GRA	Conditioning Method For Fuel Cells	10/158408	30-May-02	6896982	24-May-05
PAT0330-01US	US	GRA	Fuel Cell Electrode Comprising Conductive Zeolite Support Material	09/268126	15-Mar-99	6117581	12-Sep-00

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File No	Ctry	Status	Short Title	Appln. No.	Appln. Date	Grant No.	Grant Date
PAT0335-02US	US	GRA	Methods of Operating Fuel Cells Having Closed Reactant Supply	10/795114	5-Mar-04	7153598	26-Dec-06
PAT0339-02US	US	GRA	Method And Apparatus For Locating Internal Transfer Leaks Within Fuel Cell Stacks	10/754451	9-Jan-04	6874352	5-Apr-05
PAT0344-02US	US	GRA	Non-Noble Metal Catalysts For The Oxygen Reduction Reaction	10/630634	29-Jul-03	7125820	24-Oct-06
PAT0344-03US	US	FLD	Non-Noble Metal Catalysts for the Oxygen Reduction Reaction	11/533706	20-Sep-06		
PAT0345-01US	US	GRA	Impregnation Of Ion-Exchange Membranes To Improve Electrochemical Fuel Cell Performance	10/230953	28-Aug-02	6841285	11-Jan-05
PAT0347-01US	US	GRA	Process For Preparing Graft Copolymers And Membranes Formed Therefrom	10/251644	20-Sep-02	6828386	7-Dec-04
PAT0347-02US	US	EXA	Process For Preparing Graft Copolymers And Membranes Formed Therefrom	10/981392	3-Nov-04		
PAT0351-01US	US	GRA	Fuel Cell Stack With Passive End Cell Heater	10/346200	15-Jan-03	7160640	9-Jan-07
PAT0354-01US	US	GRA	Sealing Membrane Electrode Assemblies For Electrochemical Fuel Cells	10/327650	20-Dec-02	6716550	6-Apr-04

Transferred Fundamental IPR

File No	Ctry	Status	Short Title	Appl. No.	Appl. Date	Grant No.	Grant Date
PAT0355-01US	US	GRA	Black Start Method And Apparatus For A Fuel Cell Power Plant, And Fuel Cell Power Plant With Black Start Capability	10/388191	12-Mar-03	7011902	14-Mar-06
PAT0358-01US	US	EXA	Electrochemical Fuel Cell With Fluid Distribution Layer Having Non-Uniform Permeability	10/458760	10-Jun-03		
PAT0365-01US	US	GRA	Solid Polymer Electrolyte Fuel Cell Stack Having Specific Corrosion Resistant Cells	10/411895	11-Apr-03	7014935	21-Mar-06

Transferred Fundamental IPR

File No	Ctry	Status	Short Title	Appln. No.	Appln. Date	Grant No.	Grant Date
PAT0371-02US	US	FLD	Shutdown Methods And Designs for Fuel Cell Stacks	10/571417	10-Sep-04		
PAT0383-02US	US	FLD	Water Insoluble Additive For Improving Conductivity Of An Ion Exchange Membrane	10/962184	8-Oct-04		
PAT0390-01US	US	EXA	Reduced Degradation Of Ion-Exchange Membranes In Electrochemical Fuel Cells	10/738962	17-Dec-03		
PAT0402-01US	US	GRA	Electrochemical Fuel Cell Stack Having A Plurality Of Integrated Voltage Reversal Protection Diodes	10/737540	16-Dec-03	7235315	26-Jun-07

Transferred Fundamental IPR

File No	Ctry	Status	Short Title	Appl. No.	Appl. Date	Grant No.	Grant Date
PAT0411-01US	US	FLD	Electrochemical Fuel Cell Stack With Integrated Anode Exhaust Valves	11/145553	3-Jun-05		
PAT0417-01US	US	GRA	Method Of Making A Membrane Electrode Assembly For Electrochemical Fuel Cells	10/601275	20-Jun-03	7226689	5-Jun-07
PAT0496-01US	US	FLD	Catalyst Support For An Electrochemical Fuel Cell	10/873760	22-Jun-04		
PAT0541-01US	US	GRA	Solid Polymer Type Fuel Cell	08/831009	31-Mar-97	6106965	22-Aug-00
PAT0544-01US	US	GRA	Polymer Electrolyte Fuel Cell	09/076101	12-May-98	6103412	15-Aug-00
PAT0555-01US	US	ABD	Manufacturing Method For Electrochemical Fuel Cells	11/012860	14-Dec-04		

Transferred Fundamental IPR

File No	Ctry	Status	Short Title	Appln. No.	Appln. Date	Grant No.	Grant Date
PAT0577-01US	US	FLD	Method Of Making Electrodes For Electrochemical Fuel Cells	10/922112	18-Aug-04		
PAT0578-01US	US	FLD	Diagnostic Method For An Electrochemical Fuel Cell And Fuel Cell Components	10/935723	7-Sep-04		
PAT0579-02US	US	FLD	Fuel Cell System And Shutdown Method For A Fuel Cell System	11/190491	26-Jul-05		
PAT0584-02US	US	FLD	Device For Assembling A Banded Fuel Cell Stack	11/679056	26-Feb-07		
PAT0599-02US	US	FLD	Methods for Making Sulfonated Non-Aromatic Polymer Electrolyte Membranes	11/377901	16-Mar-06		
PAT0615-02US	US	FLD	Membrane Electrode Assembly For Improved Fuel Cell Performance	11/320523	27-Dec-05		
PAT0618-01US	US	FLD	Fuel Cell System With Cathode Stream Recirculation	11/016341	17-Dec-04		

Transferred Fundamental IPR

File No	Ctry	Status	Short Title	Appln. No.	Appln. Date	Grant No.	Grant Date
PAT0622-01US	US	EXA	Summer And Winter Mode Operation Of Fuel Cell Stacks	11/019126	21-Dec-04		
PAT0624-02US	US	FLD	Shutdown Methods and Designs for Fuel Cell Stacks	11/374666	13-Mar-06		
PAT0646-01US	US	FLD	Method of Fabricating Flow Field Plates and Related Products and Methods	11/283491	18-Nov-05		
PAT0666-02US	US	FLD	Method of Forming Membrane Electrode Assemblies for Electrochemical Devices	11/700407	30-Jan-07		
PAT0669-01US	US	FLD	Method Of Commencing Operation Of An Electrochemical Fuel Cell Stack From Freeze-Start Conditions	11/288972	29-Nov-05		
PAT0681-01US	US	FLD	Method of Operation of a Fuel Cell System and of Ceasing the Same	11/278317	31-Mar-06		
PAT0699-02US	US	FLD	Water Soluble Additive for Improving Conductivity of an Ion Exchange Membrane	11/613803	20-Dec-06		
PAT0708-02US	US	FLD	Membrane Electrode Assemblies	11/408359	21-Apr-06		
PAT0711-02US	US	FLD	System and Method of Controlling Fuel Cell Shutdown	11/580524	12-Oct-06		
PAT0712-02US	US	FLD	System and Method of Operation of a Fuel Cell System and of Ceasing the Same for Inhibiting Corrosion	11/703524	6-Feb-07		

Transferred Fundamental IPR

File No	Ctry	Status	Short Title	Appl. No.	Appl. Date	Grant No.	Grant Date
PAT0718-03US	US	FLD	Electrocatalyst Compositions For Use In An Electrochemical Fuel Cell And Methods Of Making The Same	11/682232	5-Mar-07		
PAT0733-01US	US	FLD	Method And System For Operating Fuel Cell Stacks To Reduce Non-Steady State Conditions During Load Transients	11/770576	28-Jun-07		
PAT0740-02US	US	FLD	Method of Making Membrane Electrode Assemblies	11/698759	26-Jan-07		
PAT0749-01US	US	FLD	System and Method to Start a Fuel Cell Stack During a Cold-Start Condition	11/454620	16-Jun-06		
PAT0754-01US	US	FLD	Fuel Cell System Apparatus	11/601602	17-Nov-06		
PAT0768-01US	US	FLD	Polymer Membrane For Fuel Cell And Method Of Preparing The Same	60/908781	29-Mar-07		
PAT0772-01US	US	FLD	Method Of Starting Up Fuel Cell Stacks From Freezing Temperatures	60/908374	27-Mar-07		
PAT0780-01US	US	FLD	Electrocatalyst Layers For Fuel Cells And Methods Of Making Electrocatalyst Layers For Fuel Cells	60/864877	8-Nov-06		
PAT0782-02US	US	FLD	Catalyst For Fuel Cells	11/560647	16-Nov-06		
PAT0797-01US	US	FLD	Fluid Diffusion Layers	11/253073	18-Oct-05		
PAT0803-03US	US	FLD	Fluorination of a Porous Hydrocarbon Based Polymer for Use as Composite Membrane	11/686646	15-Mar-07		
PAT0817-02US	US	FLD	ShutDown Procedure for Fuel Cell Stacks	11/560720	16-Nov-06		
PAT0823-02US	US	FLD	Methods Of Making Components For Electrochemical Cells	11/738348	20-Apr-07		
PAT0850-02US	US	FLD	Apparatus and Method for Managing Fluids in a Fuel Cell Stack	11/850264	5-Sep-07		
PAT0859-02US	US	FLD	Fuel Cell Anode Structure for Voltage Reversal Tolerance	11/843861	23-Aug-07		
PAT0864-02US	US	FLD	Fuel Cell System With Flame Arresting Recombiner	11/696302	4-Apr-07		
PAT0884-01US	US	FLD	Spring Holder Apparatus	11/562886	22-Nov-06		

Transferred Fundamental IPR

File No	Ctry	Status	Short Title	Appln. No.	Appln. Date	Grant No.	Grant Date
PAT0888-01US	US	FLD	Catalyst Support For Fuel Cell	60/829946	18-Oct-06		
PAT0900-01US!	US	FLD	Fuel Cell Flow Field Plate Assembly	60/989398	20-Nov-07		
PAT0901-01US	US	FLD	Fluid Diffusion Layers for Fuel Cells and Methods of Making the Same	60/941172	31-May-07		
PAT0903-01US	US	FLD	Method and Apparatus for Humidifying a Gas in Fuel Cell Systems	11/694562	30-Mar-07		
PAT0915-01US	US	FLD	Membrane Electrode Assemblies For Fuel Cells And Methods Of Making	11/769583	27-Jun-07		
PAT0926-01US	US	FLD	Method of Forming Fluid Flow Field Plates for Electrochemical Devices	60/893319	6-Mar-07		
PAT0939-02US	US	FLD	Synthesis of Primary Hydroxide Polybenzimidazoles as High Temperature	60/975010	25-Sep-07		
PAT0941-01US	US	FLD	Electrode Supports In Fluid Distribution Plenums In Fuel Cells	60/991622	30-Nov-07		
PAT0943-01US	US	FLD	Fuel Cell With Ionomer Additive And Method Of Preparing The Same	61/013399	13-Dec-07		
PAT0950-01US	US	FLD	Compression Apparatus for Fuel Cell Stack		20-Dec-08		
PAT0952-01US	US	FLD	Fuel Cell System	11/860354	24-Sep-07		
PAT0967-01US	US	FLD	Recovering Performance Loss In Fuel Cells	60/991621	30-Nov-07		
PAT0974-01US	US	FLD	Metallic Flow Field Plates For Electrochemical Fuel Cells	61/014274	17-Nov-07		
PAT0982-01US	US	FLD	Fuel Cell With Improved Flow Field Plates	61/014352	17-Dec-07		