

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5494498

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	ZENON ENVIRONMENTAL INC.	05/30/2006
RECEIVING PARTY DATA		
Name:	ZENON TECHNOLOGY PARTNERSHIP	
Street Address:	1209 ORANGE STREET	
Internal Address:	THE CORPORATION TRUST COMPANY, CORPORATION TRUST CENTRE	
City:	WILMINGTON	
State/Country:	DELAWARE	
Postal Code:	19801	
PROPERTY NUMBERS Total: 2		
	Property Type	Number
	Patent Number:	6558549
	Patent Number:	6908547
CORRESPONDENCE DATA		
Fax Number:	(416)361-2525	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
Phone:	4163676404	
Email:	jsanford@blg.com	
Correspondent Name:	BORDEN LADNER GERVAIS LLP	
Address Line 1:	100 QUEEN ST, SUITE 1300	
Address Line 4:	OTTAWA, CANADA K1P 1J9	
ATTORNEY DOCKET NUMBER:	GP 31869-1	
NAME OF SUBMITTER:	JANET SANFORD	
SIGNATURE:	/Janet Sanford/	
DATE SIGNED:	04/26/2019	
Total Attachments: 38		
source=Assignment_to_Zenon_Technology_Partnership#page1.tif		
source=Assignment_to_Zenon_Technology_Partnership#page2.tif		
source=Assignment_to_Zenon_Technology_Partnership#page3.tif		

source=Assignment_to_Zenon_Technology_Partnership#page4.tif
source=Assignment_to_Zenon_Technology_Partnership#page5.tif
source=Assignment_to_Zenon_Technology_Partnership#page6.tif
source=Assignment_to_Zenon_Technology_Partnership#page7.tif
source=Assignment_to_Zenon_Technology_Partnership#page8.tif
source=Assignment_to_Zenon_Technology_Partnership#page9.tif
source=Assignment_to_Zenon_Technology_Partnership#page10.tif
source=Assignment_to_Zenon_Technology_Partnership#page11.tif
source=Assignment_to_Zenon_Technology_Partnership#page12.tif
source=Assignment_to_Zenon_Technology_Partnership#page13.tif
source=Assignment_to_Zenon_Technology_Partnership#page14.tif
source=Assignment_to_Zenon_Technology_Partnership#page15.tif
source=Assignment_to_Zenon_Technology_Partnership#page16.tif
source=Assignment_to_Zenon_Technology_Partnership#page17.tif
source=Assignment_to_Zenon_Technology_Partnership#page18.tif
source=Assignment_to_Zenon_Technology_Partnership#page19.tif
source=Assignment_to_Zenon_Technology_Partnership#page20.tif
source=Assignment_to_Zenon_Technology_Partnership#page21.tif
source=Assignment_to_Zenon_Technology_Partnership#page22.tif
source=Assignment_to_Zenon_Technology_Partnership#page23.tif
source=Assignment_to_Zenon_Technology_Partnership#page24.tif
source=Assignment_to_Zenon_Technology_Partnership#page25.tif
source=Assignment_to_Zenon_Technology_Partnership#page26.tif
source=Assignment_to_Zenon_Technology_Partnership#page27.tif
source=Assignment_to_Zenon_Technology_Partnership#page28.tif
source=Assignment_to_Zenon_Technology_Partnership#page29.tif
source=Assignment_to_Zenon_Technology_Partnership#page30.tif
source=Assignment_to_Zenon_Technology_Partnership#page31.tif
source=Assignment_to_Zenon_Technology_Partnership#page32.tif
source=Assignment_to_Zenon_Technology_Partnership#page33.tif
source=Assignment_to_Zenon_Technology_Partnership#page34.tif
source=Assignment_to_Zenon_Technology_Partnership#page35.tif
source=Assignment_to_Zenon_Technology_Partnership#page36.tif
source=Assignment_to_Zenon_Technology_Partnership#page37.tif
source=Assignment_to_Zenon_Technology_Partnership#page38.tif

WORLDWIDE ASSIGNMENT

WHEREAS, **ZENON ENVIRONMENTAL INC.**, a corporation formed in Ontario, Canada and continued in Alberta, Canada and having a place of business at 3239 Dundas Street West, Oakville, Ontario L6M 4B2, Canada, is the owner of the Patents or Applications listed in Schedule "A" and the inventions described therein (hereinafter referred to as "the Intellectual Property");

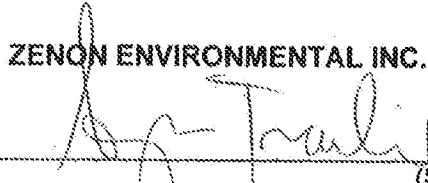
AND WHEREAS, **ZENON TECHNOLOGY PARTNERSHIP**, a partnership of ZENON ENVIRONMENTAL INC. and 1244734 ALBERTA ULC. under the laws of Delaware, U.S.A., and having a place of business at **The Corporation Trust Company, Corporation Trust Centre, 1209 Orange Street, Wilmington, Delaware, 19801 U.S.A.**, has acquired from **ZENON ENVIRONMENTAL INC.** the whole right, title and interest for all other countries in and to the Intellectual Property pursuant to an Asset Purchase Agreement between them effective May 29, 2006;

NOW THEREFORE, in consideration of good and valuable consideration as provided in the Asset Purchase Agreement, the receipt of all of which is hereby acknowledged, **ZENON ENVIRONMENTAL INC.**, confirms that as of May 29, 2006 it has sold, assigned and transferred and, for greater certainty, does hereby sell, assign and transfer unto **ZENON TECHNOLOGY PARTNERSHIP**, the whole right, title and interest in and to said Intellectual Property the same to be held and enjoyed by **ZENON TECHNOLOGY PARTNERSHIP**, for its own use and benefit and for its successors and assigns, to the full end of the terms for which Letters Patents may be granted on said Intellectual Property, as fully and entirely as the same would have been held and enjoyed by **ZENON ENVIRONMENTAL INC.**, had this assignment and sale not been made.

The undersigned hereby grant(s) the firm of Bereskin & Parr (Box 401, 40 King Street West, Toronto, Ontario, Canada M5H 3Y2) the power to insert on this assignment any further identification or to make any amendments to the description of the patents or applications which may be necessary or desirable in order to correct any clerical errors or to comply with the rules of any Patent Office for recordation of this document.

IN WITNESS WHEREOF, ZENON ENVIRONMENTAL INC. has caused this instrument to be executed this 26 day of May, 2006.


Signature of Witness
Print Name: Adam Armstrong

ZENON ENVIRONMENTAL INC.,

(Seal)
By: Seymour Trachunsky
Title: Chief Legal Officer

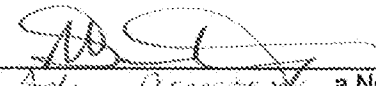
IN WITNESS WHEREOF, ZENON TECHNOLOGY PARTNERSHIP has caused this instrument to be executed this 30 day of May, 2006.


Signature of Witness
Print Name: Adam Armstrong

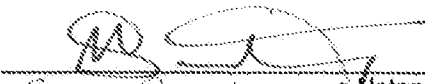
ZENON TECHNOLOGY PARTNERSHIP,

(Seal)
By: Seymour Trachunsky
Title: Chief Legal Officer of
ZENON ENVIRONMENTAL INC. acting
as Managing Partner of ZENON
TECHNOLOGY PARTNERSHIP

I, Adam S. Armstrong, a Notary Public for the Province of Ontario,
Canada, certify that Seymour Teudamovsky appeared before me today
and signed and sealed this document on behalf of ZENON ENVIRONMENTAL INC.
and acknowledged the same to be his free act and deed and authorized by ZENON
ENVIRONMENTAL INC. IN TESTIMONY WHEREOF I have signed and affixed my
notarial seal on this document on May 30, 2006, at
Toronto Ontario, Canada.


Adam S. Armstrong, a Notary
Public in and for the Province of Ontario

I, Deane S. Armstrong, a Notary Public for the Province of Ontario,
Canada, certify that Seymour Teichmeyer appeared before me today
and signed and sealed this document on behalf of ZENON TECHNOLOGY
PARTNERSHIP and acknowledged the same to be his free act and deed and
authorized by ZENON TECHNOLOGY PARTNERSHIP. IN TESTIMONY WHEREOF
I have signed and affixed my notarial seal on this document on
May 30, 2006, at Toronto Ontario,
Canada.


Deane S. Armstrong, a Notary
Public in and for the Province of Ontario

Schedule A

Schedule A – Argentina

Country	Application No.	Patent No.	Application Date	Issue Date	Title
Argentina	PO10102984		6/22/2001		Ultrafiltration and microfiltration module and system

Schedule A

Schedule A – Australia

Country	Application No.	Patent No.	Application Date	Issue Date	Title
Australia	54146/94	664935	10/16/1995	3/26/1996	Frameless array of hollow fiber membranes and method of maintaining clean fiber surfaces while filtering a substrate to withdraw a permeate
Australia	12696/95	690948	12/19/1994	8/20/1995	Hollow fibre semipermeable membrane of tubular braid and method for producing it
Australia	66528/96	715364	8/8/1996		Vertical skein of hollow fiber membranes and method of maintaining clean fiber surfaces
Australia	12558/00	773233	11/18/1999	9/2/2004	Water Filtration using immersed membranes
Australia	49075/00	776072	6/1/2000	8/26/2004	Hollow fiber membrane and braided tubular support therefor
Australia	17639/00	766535	12/17/1999	1/29/2004	Submerged membrane bioreactor for nitrogen treatment
Australia	60738/99	765966	10/7/1999	1/29/2004	Cyclic aeration system for submerged membrane modules
Australia	13767/01	777485	11/15/2000	2/10/2005	Immersed membrane element and module
Australia	13764/01	776211	11/15/2000	12/16/2004	Immersed membrane filtration system and overflow process
Australia	58099/01	780930	5/2/2001	8/11/2005	Gel potting method for filtering hollow fibre membranes
Australia	2004210726		2/13/2004		Membrane supported bioreactor for Municipal and industrial wastewater treatment
Australia	2003271311		10/7/1999		Cyclic aeration system for submerged membrane modules
Australia	2004203855		8/12/2004		Vertical skein of hollow fiber membranes and method of maintaining clean fiber surfaces
Australia	2004203856		8/12/2004		Vertical skein of hollow fiber membranes and method of maintaining clean fiber surfaces
Australia	76300/96	710229	11/19/1996	1/20/2000	Method for cleaning a filtration installation of the type with immersed membranes

Schedule A

Schedule A – Brazil

Country	Application No.	Patent No.	Application Date	Issue Date	Title
Brazil	PI0007181-1		9/29/2000		Ultrafiltration and microfiltration module and system
Brazil	PI9914376.3		10/7/1999		Cyclic aeration system for submerged membrane modules
Brazil	PI0106948-9		6/28/2001		Multi-stage filtration and softening module and reduced scaling operation
Brazil	PI96116250	PI96116250	11/19/1996	1/23/2003	Method for cleaning a filtration installation of the type with immersed membranes

Schedule A

Schedule A – Canada

Country	Application No.	Patent No.	Application Date	Issue Date	Title
Canada	2097716	2097716	10/9/1992	8/18/1998	Membrane bioreactor system for treating synthetic metal-working fluids and oil-based products
Canada	2108023	2108023	10/7/1993	7/7/1998	Transportable reverse osmosis water purification unit
Canada	2149414	2149414	11/15/1993	5/23/2000	Frameless array of hollow fiber membranes and method of maintaining clean fiber surfaces while filtering a substrate to withdraw a permeate
Canada	2104433	2104433	8/19/1993	9/15/1998	Modular shipboard membrane bioreactor system for combined wastewater system
Canada	2178639	2178639	12/19/1994	9/19/2000	Hollow fibre semipermeable membrane of tubular braid and method for producing it
Canada	2227692	2227692	8/8/1996	4/17/2001	Vertical skein of hollow fiber membranes and method of maintaining clean fiber surfaces
Canada	2258715		01/14/1999		Aeration system for submerged membrane module
Canada	2278085		07/20/1999		Aeration system for submerged membrane module
Canada	2279766		07/30/1999		Aeration system for submerged membrane module
Canada	2281889		2/23/1998		Portable reverse osmosis for producing drinking water
Canada	2355087		12/17/1999		Submerged membrane bioreactor for nitrogen treatment
Canada	2352242		10/29/2000		Ultrafiltration and microfiltration module and system
Canada	2345682		10/7/1999		Cyclic aeration system for submerged membrane modules
Canada	2290053		7/13/2001		Immersed membrane element and module
Canada	2308230		5/5/2000		Immersed membrane filtration system and overflow process
Canada	2308234		5/5/2000		Gel potting method for filtering hollow fibre membranes
Canada	2300719		3/15/2002		Membrane for gas transfer and membrane supported biofilm process
Canada	2348186		5/18/2001		Immersed membrane module
Canada	2465449		4/27/2004		Permeate pipe connection
Canada	2497391		2/17/2005		Static screens suited for use in a waste water treatment system
Canada	2470869		6/14/2004		Water softener and purifier
Canada	2477333		8/12/2004		Membrane supported biofilm process for autotrophic reduction
Canada	2484096		10/7/2004		Method of locating and repairing damaged hollow fibres within membrane modules and header assembly
Canada	2482517		9/24/2004		Membrane filter cleansing process
Canada	2486677		10/26/2004		Header for module of hollow fiber membranes and method of potting hollow fibres
Canada	2509017		6/2/2005		Chemical cleaning for membranes
Canada	2517322				Apparatus and method for treating FGD blowdown or similar liquids
Canada	2525985		11/8/2005		Membrane filtration apparatus and process optionally for sand filter retrofit

PATENT

REEL: 049013 FRAME: 0012

Schedule A

Country	Application No.	Patent No.	Application Date	Issue Date	Title
Canada	2236840		11/19/1996		Method for cleaning a filtration installation of the type with immersed membranes
Canada	2257151		5/28/1997		Process and installation for in situ testing of the integrity of filtration membranes
Canada	2360425		11/15/2000		Immersed membrane element and module
Canada	2377814		5/2/2001		Gel potting method for filtering hollow fibre membranes
Canada	2512759		2/13/2004		Membrane supported bioreactor for Municipal and industrial wastewater treatment

Schedule A

Schedule A - China

Country	Application No.	Patent No.	Application Date	Issue Date	Title
China	809094.7		6/1/2000		Hollow fiber membrane and braided tubular support therefor
China	802107.4		9/29/2000		Ultrafiltration and microfiltration module and system
China	802893.1	ZL00802893	11/15/2000	3/31/2004	Immersed membrane element and module
China	200480004060.5		2/13/2004		Membrane supported bioreactor for Municipal and industrial wastewater treatment
China	10012053.1		9/29/2000		Ultrafiltration and microfiltration module and system

Schedule A

Schedule A – Czechoslovakia

Country	Application No.	Patent No.	Application Date	Issue Date	Title
Czechoslovakia	PV 120295	287841	11/15/1993		Frameless array of hollow fiber membranes and method of maintaining clean fiber surfaces while filtering a substrate to withdraw a permeate
Czechoslovakia	32423423	234235			Membrane-based process for the recovery of lactic acid and glycerol from a "corn thin stillage" stream
Czechoslovakia	PV20011236		10/7/1999		Cyclic aeration system for submerged membrane modules

Schedule A

Schedule A - Egypt

Country	Application No.	Patent No.	Application Date	Issue Date	Title
Egypt	668/01	23004	6/20/2001	12/28/2003	Ultrafiltration and microfiltration module and system
Egypt	761/2000	22686	1/15/2000	1/15/2000	Cyclic aeration system for submerged membrane modules

Schedule A

Schedule A - Europe

Country	Application No.	Patent No.	Application Date	Issue Date	Title
Europe	93810709.1	592372			Transportable reverse osmosis water purification unit
Europe	93924469.5	0669851	11/15/1993	3/17/1999	Frameless array of hollow fiber membranes and method of maintaining clean fiber surfaces while filtering a substrate to withdraw a permeate
Europe	95903730	0738180	12/19/1994		In situ cleaning system for fouled membranes
Europe	95903729.2	735917	12/19/1994	9/20/2000	Hollow fibre semipermeable membrane of tubular braid and method for producing it
Europe	96926288.06	846023	8/8/1996	10/23/2002	Vertical skein of hollow fiber membranes and method of maintaining clean fiber surfaces
Europe	98914730.1	979213	4/1/1998	2/16/2000	Process for purifying water using fine floc microfiltration in a single tank reactor
Europe	99955620.2	1140330	11/18/1999	4/6/2005	Water Filtration using immersed membranes
Europe	930952.7		6/1/2000		Hollow fiber membrane and braided tubular support therefor
Europe	951154.4	1210298	8/3/2000	4/2/2003	System for operation of a multiplicity of membrane filtration assemblies
Europe	99960738.5		12/17/1999		Submerged membrane bioreactor for nitrogen treatment
Europe	963837	1140329	9/29/2000		Ultrafiltration and microfiltration module and system
Europe	99947155	1119522	5/7/2001	4/14/2004	Cyclic aeration system for submerged membrane modules
Europe	975727.9		11/15/2000		Immersed membrane element and module
Europe	975724.6	1146955	11/15/2000	1/12/2005	Immersed membrane filtration system and overflow process
Europe	01931266.9	1214140	5/2/2001	7/27/2005	Gel potting method for filtering hollow fibre membranes
Europe	01949163.8		6/28/2001		Multi-stage filtration and softening module and reduced scaling operation
Europe	01909364	1423338	2/19/2001	6/2/2004	Membrane for gas transfer and membrane supported biofilm process
Europe	01120849.3	1170052	8/8/2001	4/9/2003	System for withdrawing permeate from a multicomponent liquid substrate
Europe	02782579.3		12/9/2002		Methods of making stretched filtering membranes and membrane modules
Europe	02000951	1213048	1/16/2002	5/6/2004	Method of potting fiber membranes
Europe	02011905.3	1249268	5/29/2002	4/6/2005	Potting method to reduce fibre twinning
Europe	02013232	1252921	6/17/2002	11/3/2004	Apparatus for withdrawing permeate from a multicomponent liquid substrate
Europe	02729701.9		5/17/2002		Apparatus for withdrawing permeate using an immersed vertical skein of hollow fibre membranes
Europe	04710766.9	1594807	2/13/2004		Membrane supported bioreactor for Municipal and industrial wastewater treatment
Europe	03016134.3		8/16/2003		A membrane module comprising

PATENT**REEL: 049013 FRAME: 0017**

Schedule A

Country	Application No.	Patent No.	Application Date	Issue Date	Title
					swayable hollow fibre membrane
Europe	04004246.7	1445240	2/25/2004	8/11/2004	Cyclic aeration system for submerged membrane modules
Europe	04004247.5	1452493	2/25/2004	9/1/2004	Aeration system for submerged membrane modules
Europe	05006802.2	1559472	11/18/1999	8/3/2005	Water filtration using immersed membranes
Europe	05007924.3	1570897	4/12/2005		Potting method to reduce fibre twinning
Europe	05112030.1		12/13/2005		A membrane filtration device
Europe	96939147.3	863793	11/19/1996	10/20/1999	Method for cleaning a filtration installation of the type with immersed membranes
Europe	04025516.8	1527810	10/27/2004		A permeate collection assembly

Schedule A

Schedule A – France

Country	Application No.	Patent No.	Application Date	Issue Date	Title
France	93810709	0592372			Transportable reverse osmosis water purification unit
France	93924469	0669851	11/15/1993	3/17/1999	Frameless array of hollow fiber membranes and method of maintaining clean fiber surfaces while filtering a substrate to withdraw a permeate
France	95903730	0738180	12/19/1994		In situ cleaning system for fouled membranes
France	0735917	073591	12/19/1994	9/20/2000	Hollow fibre semipermeable membrane of tubular braid and method for producing it
France	96926288.0	0846023	8/8/1996	10/23/2002	Vertical skein of hollow fiber membranes and method of maintaining clean fiber surfaces
France	99955620.2	1140330	11/18/1999	4/6/2005	Water Filtration using immersed membranes
France	00951154.4	1210298	8/3/2000	4/2/2003	System for operation of a multiplicity of membrane filtration assemblies
France	99947155.0	119522	5/7/2001		Cyclic aeration system for submerged membrane modules
France	00975724.6	1146955	11/15/2000	1/12/2005	Immersed membrane filtration system and overflow process
France	01931266.9	1214140	5/2/2001	7/27/2005	Gel potting method for filtering hollow fibre membranes
France	01120849.3	1170052	8/8/2001	4/9/2003	System for withdrawing permeate from a multicomponent liquid substrate
France	02000951.0	1213048			Method of potting fiber membranes
France	02011905.3	1249268	5/29/2002	4/6/2005	Potting method to reduce fibre twinning
France	02013232.0	1252921	6/17/2002	11/3/2004	Apparatus for withdrawing permeate from a multicomponent liquid substrate
France	9514188		11/22/1995		Method for cleaning a filtration installation of the type with immersed membranes
France	9603780		5/28/1996		Process and installation for in situ testing of the integrity of filtration membranes
France	9314570		11/30/1993		Installation for biological water treatment for the production of drinkable water

Schedule A

Schedule A – Germany

Country	Application No.	Patent No.	Application Date	Issue Date	Title
Germany	93810709	0592372			Transportable reverse osmosis water purification unit
Germany	93924469	0669851	11/15/1993	3/17/1999	Frameless array of hollow fiber membranes and method of maintaining clean fiber surfaces while filtering a substrate to withdraw a permeate
Germany	95903730	69412647	12/19/1994		In situ cleaning system for fouled membranes
Germany	0735917	69425981	12/19/1994	10/20/2000	Hollow fibre semipermeable membrane of tubular braid and method for producing it
Germany	96926288.0	69624492-6	8/8/1996	10/23/2002	Vertical skein of hollow fiber membranes and method of maintaining clean fiber surfaces
Germany	99955620.2	1140330	11/18/1999	4/6/2005	Water Filtration using immersed membranes
Germany	20023323.8		6/1/2003		Hollow fiber membrane and braided tubular support therefor
Germany	00951154.4	60001971.3	8/3/2000	4/2/2003	System for operation of a multiplicity of membrane filtration assemblies
Germany	99947155.0	69916479.6	5/7/2001		Cyclic aeration system for submerged membrane modules
Germany	00975724.6	1146955	11/15/2000	1/12/2005	Immersed membrane filtration system and overflow process
Germany	01931266.9	60112228.3	5/2/2001	7/27/2005	Gel potting method for filtering hollow fibre membranes
Germany	01120849.3	69627397.7	8/8/2001	4/9/2003	System for withdrawing permeate from a multicomponent liquid substrate
Germany	02000951.0	1213048			Method of potting fiber membranes
Germany	02011905.3	60109892.7	5/29/2002	4/6/2005	Potting method to reduce fibre twinning
Germany	1252921	69633806.8	6/17/2002		Apparatus for withdrawing permeate from a multicomponent liquid substrate
Germany	29624446.5		7/31/2003		Apparatus for withdrawing permeate from a multicomponent liquid substrate
Germany	29624608.5		10/27/2004		A permeate collection assembly
Germany	29624474		8/8/1996	2/12/2004	Apparatus for withdrawing permeate from a multicomponent liquid substrate
Germany	29624447.3		7/31/2003		Apparatus for withdrawing permeate from a multicomponent liquid substrate

Schedule A

Schedule A – Hong Kong

Country	Application No.	Patent No.	Application Date	Issue Date	Title
Hong Kong	2108683.3		6/1/2000		Hollow fiber membrane and braided tubular support therefor
Hong Kong	2104095.4	1045471	5/31/2002	12/10/2004	Immersed membrane element and module
Hong Kong	4104021.1		6/3/2004		A membrane module comprising swayable hollow fibre membrane

Schedule A

Schedule A – Hungary

Country	Application No.	Patent No.	Application Date	Issue Date	Title
Hungary	P9501154	221925	11/15/1993	6/12/2003	Frameless array of hollow fiber membranes and method of maintaining clean fiber surfaces while filtering a substrate to withdraw a permeate
Hungary	P0000639	222408	2/23/1998	9/10/2003	Portable reverse osmosis for producing drinking water
Hungary	PO201735		6/1/2000		Hollow fiber membrane and braided tubular support therefor
Hungary	P0105012		9/29/2000		Ultrafiltration and microfiltration module and system
Hungary	P0103786	224463	10/7/1999	12/5/2005	Cyclic aeration system for submerged membrane modules
Hungary	P0105236		11/15/2000		Immersed membrane filtration system and overflow process
Hungary	P201794		5/2/2001		Gel potting method for filtering hollow fibre membranes
Hungary	tbdetermined		5/30/2003		Arsenic removal process

Schedule A

Schedule A – India

Country	Application No.	Patent No.	Application Date	Issue Date	Title
India	00422/Del/01		9/29/2000		Ultrafiltration and microfiltration module and system
India	3318/DELNP/2005		2/13/2004		Membrane supported bioreactor for Municipal and industrial wastewater treatment
India	IN/PCT/2001/01178/DEL		6/1/2000		Hollow fiber membrane and braided tubular support therefor

Schedule A

Schedule A – Israel

Country	Application No.	Patent No.	Application Date	Issue Date	Title
Israel	147045	147045	6/1/2000	6/21/2005	Hollow fiber membrane and braided tubular support therefor
Israel	148009		6/28/2001		Multi-stage filtration and softening module and reduced scaling operation

Schedule A

Schedule A – Italy

Country	Application No.	Patent No.	Application Date	Issue Date	Title
Italy	93924469	0669851	11/15/1993	3/17/1999	Frameless array of hollow fiber membranes and method of maintaining clean fiber surfaces while filtering a substrate to withdraw a permeate
Italy	95903730	0738180	12/19/1994	11/6/1998	In situ cleaning system for fouled membranes
Italy	0735917	0735917	12/19/1994	9/20/2000	Hollow fibre semipermeable membrane of tubular braid and method for producing it
Italy	96926288.0	0846023	8/8/1996	10/23/2002	Vertical skein of hollow fiber membranes and method of maintaining clean fiber surfaces
Italy	99955620.2	1140330	11/18/1999	4/6/2005	Water Filtration using immersed membranes
Italy	00951154.4	1210298	8/3/2000	4/2/2003	System for operation of a multiplicity of membrane filtration assemblies
Italy	99947155.0	1119522	5/7/2001		Cyclic aeration system for submerged membrane modules
Italy	00975724.6	1146955	11/15/2000	1/12/2005	Immersed membrane filtration system and overflow process
Italy	01120849.3	1170052	8/8/2001	4/9/2003	System for withdrawing permeate from a multicomponent liquid substrate
Italy	02000951.0	1213048			Method of potting fiber membranes
Italy	02013232.0	1252921	6/17/2002	11/3/2004	Apparatus for withdrawing permeate from a multicomponent liquid substrate

Schedule A

Schedule A – Japan

Country	Application No.	Patent No.	Application Date	Issue Date	Title
Japan	2000-583618		11/18/1999		Water Filtration using immersed membranes
Japan	526280/01		9/29/2000		Ultrafiltration and microfiltration module and system
Japan	2000575802	3645814	4/9/2001	2/10/2005	Cyclic aeration system for submerged membrane modules
Japan	2001-546765		12/6/2000		Method and Apparatus for Testing the Integrity of Filtering Membranes
Japan	2001538058		11/15/2000		Immersed membrane element and module
Japan	2001538059		11/15/2000		Immersed membrane filtration system and overflow process
Japan	2001-581965		5/2/2001		Gel potting method for filtering hollow fibre membranes
Japan	2006-501419		2/13/2004		Membrane supported bioreactor for Municipal and industrial wastewater treatment
Japan	5194421997		11/19/1996		Method for cleaning a filtration installation of the type with immersed membranes

Schedule A

Schedule A – Korea

Country	Application No.	Patent No.	Application Date	Issue Date	Title
Korea	102045/95	177263	5/17/1995	11/17/1998	Frameless array of hollow fiber membranes and method of maintaining clean fiber surfaces while filtering a substrate to withdraw a permeate
Korea	703405/96	289107	6/20/1996	2/14/2001	Hollow fibre semipermeable membrane of tubular braid and method for producing it
Korea	700900/98	10-448963	6/8/1998	12/3/2004	Vertical skein of hollow fiber membranes and method of maintaining clean fiber surfaces
Korea	7006705/01		9/29/2000		Ultrafiltration and microfiltration module and system
Korea	7004476/20	439436	10/7/1999	6/28/2004	Cyclic aeration system for submerged membrane modules
Korea	7009032		11/15/2000		Immersed membrane element and module
Korea	7015014/2005		2/13/2004		Membrane supported bioreactor for Municipal and industrial wastewater treatment
Korea	2005-7017121		3/12/2004		Nanofiltration system for water softening with internally staged spiral wound modules
Korea	2004-7006318	473585	4/28/2004	2/17/2005	Vertical skein of hollow fiber membranes and method of maintaining clean fiber surfaces
Korea	2004-7017766	499393	11/4/2004	6/25/2005	Vertical skein of hollow fiber membranes and method of maintaining clean fiber surfaces
Korea	2005-7002271		2/7/2005		Vertical skein of hollow fiber membranes and method of maintaining clean fiber surfaces
Korea	2006-7005173		3/14/2006		Vertical skein of hollow fiber membranes and method of maintaining clean fiber surfaces

Schedule A

Schedule A – Mexico

Country	Application No.	Patent No.	Application Date	Issue Date	Title
Mexico	9307193	180738	11/17/1993	1/31/1996	Frameless array of hollow fiber membranes and method of maintaining clean fiber surfaces while filtering a substrate to withdraw a permeate
Mexico	950038	233286	1/2/1995	12/21/2005	Hollow fibre semipermeable membrane of tubular braid and method for producing it
Mexico	984058	206773	11/19/1996	2/15/2002	Method for cleaning a filtration installation of the type with immersed membranes
Mexico	2001004926		9/29/2000		Ultrafiltration and microfiltration module and system

Schedule A

Schedule A – Netherlands

Country	Application No.	Patent No.	Application Date	Issue Date	Title
Netherlands	93924469	0669851	11/15/1993	3/17/1999	Frameless array of hollow fiber membranes and method of maintaining clean fiber surfaces while filtering a substrate to withdraw a permeate
Netherlands	95903730	0738180	12/19/1994		In situ cleaning system for fouled membranes
Netherlands	0735917	073591	12/19/1994	12/13/2000	Hollow fibre semipermeable membrane of tubular braid and method for producing it
Netherlands	96926288.0	0846023	8/8/1996	10/23/2002	Vertical skein of hollow fiber membranes and method of maintaining clean fiber surfaces
Netherlands	00951154.4	1210298	8/3/2000	4/2/2003	System for operation of a multiplicity of membrane filtration assemblies
Netherlands	99947155.0	1119522	5/7/2001		Cyclic aeration system for submerged membrane modules
Netherlands	00975724.6	1146955	11/15/2000	1/12/2005	Immersed membrane filtration system and overflow process
Netherlands	01931266.9	1214140	5/2/2001	7/27/2005	Gel potting method for filtering hollow fibre membranes
Netherlands	01120849.3	1170052	8/8/2001	4/9/2003	System for withdrawing permeate from a multicomponent liquid substrate
Netherlands	02000951.0	1213048			Method of potting fiber membranes
Netherlands	02013232.0	1252921	6/17/2002	11/3/2004	Apparatus for withdrawing permeate from a multicomponent liquid substrate

Schedule A

Schedule A – PCT

Country	Application No.	Application Date	Title
PCT	PCT/CA2004/000206	2/13/2004	Membrane module for gas transfer and membrane supported biofilm process
PCT	PCT/CA2005/001011	6/29/2005	Static screens suited for use in a waste water treatment system
PCT	PCT/CA2004/001496	8/12/2004	Supported biofilm apparatus and process
PCT	PCT/CA2005/001250	8/12/2005	Membrane supported biofilm process for autotrophic reduction
PCT	PCT/CA2005/001542	10/6/2005	Method of locating and repairing damaged hollow fibres within membrane modules and header assembly
PCT	PCT/CA2004/001495	8/12/2004	Membrane supported biofilm apparatus and process
PCT	PCT/CA2005/001641	10/25/2005	Header for module of hollow fiber membranes and method of potting hollow fibres
PCT	PCT/CA2005/001705	11/8/2005	Membrane filtration assemblies for sand filter retrofit
PCT	PCT/CA2005/000282	2/25/2005	Water filtration using immersed membranes

Schedule A

Schedule A – Poland

Country	Application No.	Patent No.	Application Date	Issue Date	Title
Poland	P308899	173715	11/15/1993	9/3/1997	Frameless array of hollow fiber membranes and method of maintaining clean fiber surfaces while filtering a substrate to withdraw a permeate
Poland	P335,404		2/23/1998		Portable reverse osmosis for producing drinking water
Poland	P347883		9/29/2000		Ultrafiltration and microfiltration module and system
Poland	P347240		10/7/1999		Cyclic aeration system for submerged membrane modules
Poland	P348909		11/15/2000		Immersed membrane element and module
Poland	P326935	182907	11/19/1996	4/30/2002	Method for cleaning a filtration installation of the type with immersed membranes

Schedule A

Schedule A – South Africa

Country	Application No.	Patent No.	Application Date	Issue Date	Title
South Africa	3787/01	3787/01	9/29/2000	6/26/2002	Ultrafiltration and microfiltration module and system

Schedule A

Schedule A – Spain

Country	Application No.	Patent No.	Application Date	Issue Date	Title
Spain	99947155.0	1119522	5/7/2001		Cyclic aeration system for submerged membrane modules

Schedule A

Schedule A – Taiwan

Country	Application No.	Patent No.	Application Date	Issue Date	Title
Taiwan	84100632	NI096744	1/25/1995	12/29/1998	Hollow fibre semipermeable membrane of tubular braid and method for producing it
Taiwan	85109723	NI091840	8/8/1996	4/21/1998	Vertical skein of hollow fiber membranes and method of maintaining clean fiber surfaces
Taiwan	89121441	160977	10/13/2000	12/2/2002	Ultrafiltration and microfiltration module and system
Taiwan	89100510	145656	1/14/2000	11/21/2001	Cyclic aeration system for submerged membrane modules
Taiwan	90116421		July 5, 2001		Multi stage filtration and softening module and reduced scaling operation

Schedule A

Schedule A – U.S.A.

Country	Application No.	Patent No.	Application Date	Issue Date	Title
U.S.A.	312149	6024872	5/14/1999	2/15/2000	Method of making a dope comprising hydrophilized PVDF and α -alumina, and a membrane made therefrom
U.S.A.	773226	5204001	10/9/1991	4/20/1993	Membrane bioreactor system for treating synthetic metal-working fluids and oil-based products
U.S.A.	501997	5227063	3/30/1990	7/13/1993	Tubular Membrane Module
U.S.A.	07/958,086	5244579	10/9/1992	9/14/1993	Transportable reverse osmosis water purification unit
U.S.A.	07/977,601	5248424	11/17/1992	9/28/1993	Frameless array of hollow fiber membranes and method of maintaining clean fiber surfaces while filtering a substrate to withdraw a permeate
U.S.A.	48915	5401400	4/19/1993	3/28/1995	Membrane bioreactor system for treating synthetic metal-working fluids and oil-based products
U.S.A.	170053	5403479	12/20/1993	4/4/1995	In situ cleaning system for fouled membranes
U.S.A.	08/170,033	5472607	12/20/1993	12/5/1995	Hollow fibre semipermeable membrane of tubular braid and method for producing it
U.S.A.	225454	5501798	4/6/1994	3/26/1996	Microfiltration enhanced reverse osmosis for water treatment
U.S.A.	410730	5558774	3/27/1995	9/24/1996	Aerated hot membrane bioreactor process for treating recalcitrant compounds
U.S.A.	08/514,119	5639373	8/11/1995	6/17/1997	Vertical skein of hollow fiber membranes and method of maintaining clean fiber surfaces
U.S.A.	512108	5670053	8/7/1995	9/23/1997	Purification of gases from water using reverse osmosis
U.S.A.	08/690,045	5783083	7/31/1996	7/21/1998	Vertical cylindrical skein of hollow fiber membranes and method of maintaining clean fiber surfaces
U.S.A.	896517	5910250	6/16/1997	6/8/1999	Baffle for conversion of fine bubbles to coarse while filtering with a vertical skein of hollow fibers
U.S.A.	886652	5914039	7/1/1997	6/22/1999	Filtration membrane with calcined α -alumina particles dispersed therein
U.S.A.	08/804,279	5958243	3/3/1997	9/28/1999	Apparatus and method for membrane filtration with enhanced net flux
U.S.A.	08/808,993	6080316	3/3/1997	6/27/2000	High resistivity water production
U.S.A.	08/944,082	6027649	10/4/1997	2/22/2000	Process for purifying water using fine floc microfiltration in a single tank reactor
U.S.A.	988105	6126834	12/10/1997	10/3/2000	High resistivity water production with controlled temperatures
U.S.A.	09/024,417	5944997	2/17/1998	8/31/1999	System for maintaining a clean skein of hollow fibers while filtering suspended solids
U.S.A.	09/056,962	5997745	4/8/1998	12/7/1999	Method for producing high purity water using triple pass reverse osmosis
U.S.A.	56964	6120689	4/8/1998	9/19/2000	High purity water using triple pass reverse osmosis
U.S.A.	09/386,575	6193890	8/30/1999	2/27/2001	System for maintaining a clean skein of hollow fibers membranes while filtering suspended solids
U.S.A.	09/365,280	6267891	7/30/1999	7/31/2001	High purity water production using

PATENT

REEL: 049013 FRAME: 0035

Schedule A

Country	Application No.	Patent No.	Application Date	Issue Date	Title
					ion exchange
U.S.A.	09/330,641	6258278	6/11/1999	7/10/2001	High purity water production
U.S.A.	09/333,669	RE37,549	6/15/1999	2/19/2002	Vertical skein of hollow fiber membranes and method of maintaining clean fiber surfaces while filtering a substrate to withdraw a permeate
U.S.A.	09/414,370	6319411	10/7/1999	11/20/2001	Method of maintaining clean vertical skeins of hollow fibre membranes and system therefor
U.S.A.	20726	6120688	2/9/1998	9/19/2000	Portable reverse osmosis for producing drinking water
U.S.A.	09/444,414	6375848	11/22/1999	4/23/2002	Water Filtration using immersed membranes
U.S.A.	09/335,073	6354444	6/17/1999	3/12/2002	Hollow fiber membrane and braided tubular support therefor
U.S.A.	258999	6042677	2/26/1999	3/28/2000	Potted header for hollow fiber membranes and method for making it
U.S.A.	09/384,638	6214231	8/27/1999	4/10/2001	System for operation of a multiplicity of membrane filtration assemblies
U.S.A.	09/856,504	6616843	8/30/2001	9/9/2003	Submerged membrane bioreactor for nitrogen treatment
U.S.A.	09/648,854	6589426	8/25/2000	7/8/2003	Ultrafiltration and microfiltration module and system
U.S.A.	09/677,703	6361695	9/30/2000	3/26/2002	Shipboard wastewater treatment system
U.S.A.	07/199,823	4897191	5/27/1988	1/30/1990	Tubular membrane module with fluid shear protection
U.S.A.	09/425,235	6547968	10/25/1999	4/15/2003	Pulsed backwash for immersed membranes
U.S.A.	09/425,236	6303035	10/25/1999	10/16/2001	Immersed membrane filtration process
U.S.A.	09/488,359	6245239	1/19/2000	6/12/2001	Cyclic aeration system for submerged membrane modules
U.S.A.	298737	4904387	6/17/1988	2/27/1990	Waste treatment and water recycling toilet system
U.S.A.	2716	5258121	1/11/1993	11/2/1993	Waste treatment with nitrate removal
U.S.A.	09/507,438	6294039	2/19/2000	9/25/2001	Potted header for hollow fiber membranes and method of making it
U.S.A.	09/505,718	6325928	2/17/2000	12/4/2001	Immersed membrane element and module
U.S.A.	60/201,175				Aerated immersed membrane system
U.S.A.	09/565,032	6893568	5/5/2000	5/17/2005	Immersed membrane filtration system and overflow process
U.S.A.	60/202,848				Gel potting method for filtering hollow fibre membranes
U.S.A.	60/206,348				Shipboard wastewater treatment system
U.S.A.	60/216,668				Multi-stage filtration and softening module and reduced scaling operation
U.S.A.	09/646,115	6406629	7/19/2000	6/18/2002	Biological process for removing phosphorus involving a membrane filter
U.S.A.	60/215,845				Shipboard wastewater treatment system
U.S.A.	09/621,234		7/20/2000		Vertical cylindrical skein of hollow fiber membranes and method of maintaining clean fiber surfaces
U.S.A.	09/893,638	6702944	6/29/2001	3/9/2004	Multi stage filtration and softening

PATENT

REEL: 049013 FRAME: 0036

Schedule A

Country	Application No.	Patent No.	Application Date	Issue Date	Title
					module and reduced scaling operation
U.S.A.	09/799,524	6558549	3/7/2001	5/6/2003	Membrane for gas transfer and membrane supported biofilm process
U.S.A.	10/105,843	6708957	3/25/2002	3/23/2004	Moving aerator for immersed membranes
U.S.A.	09/840,918	6451201	4/25/2001	9/17/2002	Distributed on-line integrity testing for immersed membranes
U.S.A.	09/848,012	6656356	5/3/2001	12/2/2003	Aerated immersed membrane system
U.S.A.	09/849,573	6620319	5/4/2001	9/16/2003	Apparatus for withdrawing permeate using an immersed vertical skein of hollow fiber membranes
U.S.A.	09/814,737	6550747	3/23/2001	4/22/2003	Cyclic aeration system for submerged membrane modules
U.S.A.	09/847,338	6592759	5/3/2001	7/15/2003	Gel Potting method and method to reduce twinning for filtering hollow fibre membranes
U.S.A.	09/892,860	6814868	6/28/2001	11/9/2004	A process for reducing concentrations of hair, trash, or fibrous materials, in a wastewater treatment system
U.S.A.	09/916,247		8/30/2001		Chemical cleaning backwash for normally immersed membranes
U.S.A.	09/889,352	6790360	11/15/2000	9/14/2004	Immersed membrane element and module
U.S.A.	09/975,220		10/11/2001		Vertical cylindrical skein of hollow fiber membranes and method of maintaining clean fiber surfaces
U.S.A.	10/098,365	6899812	3/18/2002	5/31/2005	Water filtration using immersed membranes
U.S.A.	10/314,334	6878276	12/9/2002	4/12/2005	Methods of making stretched filtering membranes and membrane modules
U.S.A.	10/134,449	6485645	4/30/2002	11/26/2002	Biological process for removing phosphorus involving a membrane filter
U.S.A.	10/167,699	6685832	6/13/2002	2/3/2004	Method of potting hollow fiber membranes
U.S.A.	10/171,997	6863823	6/17/2002	3/8/2005	Inverted air box aerator and aeration method for immersed membranes
U.S.A.	10/178,838	6682652	6/25/2002	1/27/2004	Apparatus for withdrawing permeate using an immersed vertical skein of hollow fibre membranes
U.S.A.	10/286,930	6814861	11/4/2002	11/9/2004	Ultrafiltration and Microfiltration Module and System
U.S.A.	10/309,819	6863817	12/5/2002	3/8/2005	Membrane Bioreactor, Process and Aerator
U.S.A.	10/734,212		12/15/2003		Integrated dissolved air flotation and immersed membrane filtration apparatus and method for using the same
U.S.A.	10/773,887		2/6/2004		Water Treatment System
U.S.A.	10/376,477	6964741	3/3/2003	11/15/2005	Apparatus for withdrawing permeate using an immersed vertical skein of hollow fibre membranes
U.S.A.	10/369,699	6706189	2/21/2003	3/16/2004	Cyclic aeration system for submerged membrane modules
U.S.A.	10/370,527	6645374	2/24/2003	11/11/2003	Membrane module for gas transfer and membrane supported biofilm

PATENT

REEL: 049013 FRAME: 0037

Schedule A

Country	Application No.	Patent No.	Application Date	Issue Date	Title
					process
U.S.A.	10/777,204		2/13/2004		Membrane supported bioreactor for Municipal and industrial wastewater treatment
U.S.A.	10/377,647		3/4/2003		Chemical cleaning backwash for normally immersed membranes
U.S.A.	10/798,310		3/12/2004		Nanofiltration system for water softening with internally staged spiral wound modules
U.S.A.	10/461,687		6/16/2003		Maintenance cleaning for membranes
U.S.A.	10/968,883		10/21/2004		Membrane bioreactor having single header membrane module
U.S.A.	10/661,518	6908547	9/15/2003	6/21/2005	Membrane module for gas transfer and membrane supported biofilm process
U.S.A.	10/969,797		10/20/2004		System and method for synthesizing a polymer membrane
U.S.A.	10/969,798		10/20/2004		System and method for synthesizing a polymer membrane
U.S.A.	10/680,145	7014173	10/8/2003	3/21/2006	Cyclic aeration system for submerged membrane modules
U.S.A.	10/681,203		10/9/2003		Multi-stage filtration and softening module and reduced scaling operation
U.S.A.	10/684,406	6881343	10/15/2003	4/19/2005	Cyclic aeration system for membrane modules
U.S.A.	10/974,886		10/28/2004		Water treatment plant with immersed membranes
U.S.A.	11/000,898		12/2/2004		Membrane module having fiber breakage protection
U.S.A.	10/786,042		2/26/2004		Potting method for membrane module
U.S.A.	10/766,846	7022231	1/30/2004	4/4/2006	Apparatus incorporating potted hollow fiber membranes
U.S.A.	11/059,693		2/17/2005		Tri-axial membrane filtration device and process
U.S.A.	10/801,660		3/17/2004		Supported biofilm apparatus and process
U.S.A.	11/010,037		12/11/2004		System and method for synthesizing a polymer membrane
U.S.A.	11/100,597		4/7/2005		Method and apparatus for removing gas bubbles from a liquid
U.S.A.	10/790,239	6899811	3/2/2004	5/31/2005	Immersed membrane apparatus
U.S.A.	10/865,928		6/14/2004		Membrane filtration module with adjustable header spacing
U.S.A.	10/890,161		7/14/2004		Ultrafiltration and microfiltration module and system
U.S.A.	10/841,440		5/10/2004		Inverted cavity aerator for membrane module
U.S.A.	11/168,405		6/29/2005		Static screens suited for use in a waste water treatment system
U.S.A.	60/583,598				Water softener and purifier
U.S.A.	11/185,175		7/20/2005		Collapsible process tank for a water purification system
U.S.A.	60/585,580				Static screens suited for use in a wastewater treatment system
U.S.A.	10/896,086		7/22/2004		Supported biofilm apparatus and process
U.S.A.	11/185,773		7/21/2005		Start-up method for filtering membranes to remove glycerin
U.S.A.	10/895,959		7/22/2004		Membrane module for gas transfer and membrane supported biofilm process
U.S.A.	11/244,976		10/6/2005		Method of locating and repairing

PATENT

REEL: 049013 FRAME: 0038

Schedule A

Country	Application No.	Patent No.	Application Date	Issue Date	Title
					damaged hollow fibres within membrane modules and header assembly
U.S.A.	10/961,077		10/12/2004		Membrane filter cleansing process
U.S.A.	10/950,460	7022236	9/28/2004	4/4/2006	Membrane bioreactor, process and aerator
U.S.A.	60/612,515		9/24/2004		Static screen suited for use in a wastewater treatment system
U.S.A.	11/257,549		10/25/2005		Header for module of hollow fiber membranes and method of potting hollow fibres
U.S.A.	60/614,980				Membrane bioreactor having single header membrane module
U.S.A.	60/618,980				Static screens suited for use in a waste water treatment system
U.S.A.	10/941,351		9/14/2004		Hollow fiber membrane and braided tubular support therefor
U.S.A.	11/268,622				Membrane filtration assemblies for sand filter retrofit
U.S.A.	10/986,942		11/15/2004		Cyclic aeration system for submerged membrane modules
U.S.A.	11/267,130		11/7/2005		Membrane filtration process
U.S.A.	60/636,550				A method of drying porous membranes and the resulting membrane
U.S.A.	11/006,627		12/8/2004		Methods of making stretched filtering membranes and modules
U.S.A.	11/008,977		12/13/2004		Apparatus for withdrawing permeate using an immersed vertical skein of hollow fibre membranes
U.S.A.	11/006,626	7025885	12/8/2004	4/11/2006	Water filtration using immersed membranes
U.S.A.	11/038,278		1/21/2005		Immersed membrane filtration system and overflow process
U.S.A.	11/049,988		2/4/2005		Apparatus for withdrawing permeate using an immersed vertical skein of hollow fibre membrane
U.S.A.	11/052,092		2/8/2005		Inverted air box aerator and aeration method for immersed membranes
U.S.A.	11/061,629		2/22/2005		Membrane batch filtration process
U.S.A.	11/059,403		2/17/2005		Apparatus for withdrawing permeate using an immersed vertical skein of hollow fibre membranes
U.S.A.	11/102,834		4/11/2005		Apparatus for withdrawing permeate using an immersed vertical skein of hollow fibre membranes
U.S.A.	11/029,418		1/6/2005		Method of potting hollow fiber membranes
U.S.A.	11/368,525		3/7/2006		Membrane filtration module with adjustable header spacing
U.S.A.	60/673,763				Refreshing chemicals during cleaning
U.S.A.	60/659,402				Hollow fiber membrane module
U.S.A.	11/101,486		4/8/2005		Water treatment system having upstream control of filtrate flowrate and method for operating same
U.S.A.	11/050,629		2/4/2005		Vertical cylindrical skein of hollow fiber membranes and method of maintaining clean fiber surfaces
U.S.A.	11/106,681		4/15/2005		Maintenance cleaning for

PATENT

REEL: 049013 FRAME: 0039

Schedule A

Country	Application No.	Patent No.	Application Date	Issue Date	Title
					membranes
U.S.A.	11/388,648		3/24/2006		Chemical cleaning for membranes
U.S.A.	11/177,383		7/11/2005		Cyclic aeration system for submerged membrane modules
U.S.A.	60/701,996				Apparatus and method for treating FGD blowdown or similar liquids
U.S.A.	11/202,082		8/12/2005		Membrane supported biofilm process for autotrophic reduction
U.S.A.	11/255,948		10/24/2005		Cyclic aeration system for submerged membrane modules
U.S.A.	11/216,118		9/1/2005		Nanofiltration system for water softening with internally staged spiral wound modules
U.S.A.	11/203,197		8/15/2005		Supported membrane apparatus and process
U.S.A.	11/271,792		11/14/2005		Chemical cleaning backwash for normally immersed membranes
U.S.A.	60/721,982				Water treatment with membranes
U.S.A.	60/741,551				Method and apparatus for testing membrane integrity
U.S.A.	11/234,186		9/26/2005		Membrane filtration device and process
U.S.A.	60/736,859				Apparatus and method for treating FGD blowdown or similar liquids
U.S.A.	60/742,615				Flow through cassette
U.S.A.	60/740,641				Membrane filtration assemblies for sand filter retrofit
U.S.A.	11/262,750		11/1/2005		Membrane bioreactor, process and aerator
U.S.A.	11/340,653		1/27/2006		Immersed membrane apparatus
U.S.A.	60/752,023				Wastewater treatment with aerobic granules
U.S.A.	60/752,404				Flow-through aerobic granulator
U.S.A.	60/751,979				On-line process control for membrane bioreactors
U.S.A.	11/290,598		12/1/2005		Ultrafiltration and microfiltration module and system
U.S.A.	11/302,271		12/14/2005		Water filtration using immersed membranes
U.S.A.	60/781,915				Cell culture device and process
U.S.A.	11/357,051		2/21/2006		Supported biofilm apparatus and process
U.S.A.	60/780,804				Supported curved hollow fibre membrane
U.S.A.	11/387,807		3/24/2006		Immersed membrane filtration system overflow process
U.S.A.	09/068,922	6045698	7/29/1998	4/4/2000	Method for cleaning a filtration installation of the type with immersed membranes
U.S.A.	823533	5932099	3/24/1997	8/3/1999	Installation for biological water treatment for the production of drinkable water
U.S.A.	655206	5116506	2/11/1991	5/26/1992	Support aerated biofilm reactor
U.S.A.	961140	5238562	10/13/1992	8/24/1993	Fiber membrane elements and modules and methods of fabrication for improved fluid separation
U.S.A.	08/718,157	5716689	10/19/1996	2/10/1998	Hollow fiber membrane carpet manufacturing method and an elementary carpet member and carpet
U.S.A.	09/425,234		10/25/1999		Maintenance cleaning for membranes
U.S.A.	10/146,934		5/17/2002		Immersed membrane module
U.S.A.	10/372,858		2/26/2003		Apparatus for withdrawing

PATENT

REEL: 049013 FRAME: 0040

Schedule A

Country	Application No.	Patent No.	Application Date	Issue Date	Title
					permeate using an immersed vertical skein of hollow fibre membranes

Schedule A

Schedule A – United Kingdom

Country	Application No.	Patent No.	Application Date	Issue Date	Title
United Kingdom	93810709	0592372			Transportable reverse osmosis water purification unit
United Kingdom	93924496	0669851	11/15/1993	3/17/1999	Frameless array of hollow fiber membranes and method of maintaining clean fiber surfaces while filtering a substrate to withdraw a permeate
United Kingdom	95903730	0738180	12/19/1994		In situ cleaning system for fouled membranes
United Kingdom	0735917		12/19/1994		Hollow fibre semipermeable membrane of tubular braid and method for producing it
United Kingdom	96926288.0	0846023	8/8/1996	10/23/2002	Vertical skein of hollow fiber membranes and method of maintaining clean fiber surfaces
United Kingdom	99955620.2	1140330	11/18/1999	4/6/2005	Water Filtration using immersed membranes
United Kingdom	00951154.4	1210298	8/3/2000	4/2/2003	System for operation of a multiplicity of membrane filtration assemblies
United Kingdom	99947255.0	1119522	5/7/2001		Cyclic aeration system for submerged membrane modules
United Kingdom	00975724.6	1146955	11/15/2000	1/12/2005	Immersed membrane filtration system and overflow process
United Kingdom	01931266.9	1214140	5/2/2001	7/27/2005	Gel potting method for filtering hollow fibre membranes
United Kingdom	01120849.3	1170052	8/8/2001	4/9/2003	System for withdrawing permeate from a multicomponent liquid substrate
United Kingdom	02000951.0	1213048			Method of potting fiber membranes
United Kingdom	02011905.3	1249268	5/29/2002	4/6/2005	Potting method to reduce fibre twinning
United Kingdom	02013232.0	1252921	6/17/2002	11/3/2004	Apparatus for withdrawing permeate from a multicomponent liquid substrate