

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5068563

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	CHANGE OF NAME	
CONVEYING PARTY DATA		
Name		Execution Date
ZODIAC POOL SYSTEMS, INC.		09/29/2017
RECEIVING PARTY DATA		
Name:	ZODIAC POOL SYSTEMS LLC	
Street Address:	251 LITTLE FALLS DRIVE	
City:	WILMINGTON	
State/Country:	DELAWARE	
Postal Code:	19808	
PROPERTY NUMBERS Total: 140		
Property Type	Number	
Application Number:	15749753	
Application Number:	62473348	
Application Number:	62569199	
Application Number:	62568045	
Application Number:	62561763	
Application Number:	62531609	
Application Number:	14014660	
Application Number:	14247572	
Application Number:	14461576	
Application Number:	14711443	
Application Number:	14728678	
Application Number:	14816362	
Application Number:	15067886	
Application Number:	15044640	
Application Number:	15065176	
Application Number:	15067081	
Application Number:	15281671	
Application Number:	15290332	
Application Number:	15435405	
Application Number:	15591207	

PATENT

Property Type	Number
Application Number:	15591250
Application Number:	15665754
Application Number:	15712589
Application Number:	15695519
Application Number:	15579519
Application Number:	09176532
Application Number:	09106030
Application Number:	09332679
Application Number:	09507367
Application Number:	09451335
Application Number:	09121420
Application Number:	09690332
Application Number:	09396640
Application Number:	09927720
Application Number:	09630500
Application Number:	09630489
Application Number:	09749052
Application Number:	09747570
Application Number:	09829163
Application Number:	09742927
Application Number:	09812104
Application Number:	09673873
Application Number:	10397939
Application Number:	09305735
Application Number:	10075419
Application Number:	10400118
Application Number:	10228397
Application Number:	10293407
Application Number:	10412817
Application Number:	10442454
Application Number:	10616777
Application Number:	10736303
Application Number:	11035504
Application Number:	10917892
Application Number:	10387932
Application Number:	10302273
Application Number:	10450064
Application Number:	09876364

Property Type	Number
Application Number:	10237634
Application Number:	10917790
Application Number:	10979488
Application Number:	11264827
Application Number:	10433172
Application Number:	10292664
Application Number:	11103714
Application Number:	10490221
Application Number:	11271205
Application Number:	11349797
Application Number:	10483371
Application Number:	11555530
Application Number:	11265873
Application Number:	11851605
Application Number:	11761580
Application Number:	11805313
Application Number:	12053446
Application Number:	11967664
Application Number:	11681015
Application Number:	11346650
Application Number:	11265692
Application Number:	12714036
Application Number:	12246397
Application Number:	12396466
Application Number:	11224773
Application Number:	12099815
Application Number:	12474755
Application Number:	12880601
Application Number:	12340458
Application Number:	12508425
Application Number:	13149785
Application Number:	12340520
Application Number:	12395494
Application Number:	12106457
Application Number:	12661380
Application Number:	13018684
Application Number:	13018703
Application Number:	12432551

Property Type	Number
Application Number:	13279968
Application Number:	13006672
Application Number:	13185707
Application Number:	13430623
Application Number:	13280052
Application Number:	12564997
Application Number:	13253117
Application Number:	12966792
Application Number:	13211456
Application Number:	13975438
Application Number:	13049029
Application Number:	14093640
Application Number:	13080801
Application Number:	14073373
Application Number:	14205408
Application Number:	13400632
Application Number:	14254111
Application Number:	14598742
Application Number:	29188051
Application Number:	29192993
Application Number:	29188057
Application Number:	29216162
Application Number:	29223489
Application Number:	29216258
Application Number:	29295275
Application Number:	29295259
Application Number:	29295264
Application Number:	29295261
Application Number:	29295267
Application Number:	29295262
Application Number:	29307812
Application Number:	29295271
Application Number:	29307839
Application Number:	29348682
Application Number:	29373442
Application Number:	29373446
Application Number:	29374045
Application Number:	29374046

Property Type	Number
Application Number:	29463361
Application Number:	29526824
Application Number:	29526867
Application Number:	29550843
Application Number:	29550982
Application Number:	10136216

CORRESPONDENCE DATA

Fax Number: (650)838-5109

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.

Phone: 650-838-3743

Email: JLIK@SHEARMAN.COM

Correspondent Name: MARC ELZWEIG

Address Line 1: 1460 EL CAMINO REAL, 2ND FLOOR

Address Line 2: SHEARMAN & STERLING LLP

Address Line 4: MENLO PARK, CALIFORNIA 94025

ATTORNEY DOCKET NUMBER:	35610/72
NAME OF SUBMITTER:	MARC ELZWEIG
SIGNATURE:	/MARC ELZWEIG/
DATE SIGNED:	07/26/2018

Total Attachments: 7

source=0 - Zodiac Pool Systems, Inc. converted into Zodiac Pool Systems LLC#page1.tif
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Delaware

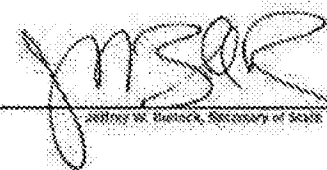
The First State

Page 1

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF CONVERSION OF A DELAWARE CORPORATION UNDER THE NAME OF "ZODIAC POOL SYSTEMS, INC." TO A DELAWARE LIMITED LIABILITY COMPANY, CHANGING ITS NAME FROM "ZODIAC POOL SYSTEMS, INC." TO "ZODIAC POOL SYSTEMS LLC", FILED IN THIS OFFICE ON THE TWENTY-NINTH DAY OF SEPTEMBER, A.D. 2017, AT 1:36 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF CONVERSION IS THE THIRTIETH DAY OF SEPTEMBER, A.D. 2017 AT 8:01 O'CLOCK A.M.




Jeffrey W. Bullock, Secretary of State

3107192 8100V
SR# 20176405087

You may verify this certificate online at corp.delaware.gov/authver.shtml

Authentication: 203318441

Date: 09-29-17

PATENT
REEL: 046634 FRAME: 0272

State of Delaware
Secretary of State
Division of Corporations
Delivered 01:36 PM 09/29/2017
FILED 01:36 PM 09/29/2017
SR 20176405087 - File Number 3107191

STATE OF DELAWARE
CERTIFICATE OF CONVERSION
FROM A CORPORATION TO A
LIMITED LIABILITY COMPANY PURSUANT TO
SECTION 18-214 OF THE LIMITED LIABILITY ACT

- 1.) The jurisdiction where the Corporation first formed is Delaware
- 2.) The jurisdiction immediately prior to filing this Certificate is Delaware
- 3.) The date the corporation first formed is October 5, 1999
- 4.) The name of the Corporation immediately prior to filing this Certificate is
Zodiac Pool Systems, Inc.
- 5.) The name of the Limited Liability Company as set forth in the Certificate of
Formation is Zodiac Pool Systems LLC
- 6.) This Certificate of Conversion is to become effective on September 30, 2017 at 8:01 am

IN WITNESS WHEREOF, the undersigned have executed this Certificate on the
29th day of September, A.D. 2017

By: David McKenery, Jr.
Authorized Person

Name: David McKenery, Jr.
Print or Type

Delaware

The First State

Page 1

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF FORMATION OF "ZODIAC POOL SYSTEMS LLC" FILED IN THIS OFFICE ON THE TWENTY-NINTH DAY OF SEPTEMBER, A.D. 2017, AT 1:36 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF FORMATION IS THE THIRTIETH DAY OF SEPTEMBER, A.D. 2017 AT 8:01 O'CLOCK A.M.



3107192 8100V
SR# 20176405087

You may verify this certificate online at corp.delaware.gov/authver.shtml

Authentication: 203318441
Date: 09-29-17

PATENT
REEL: 046634 FRAME: 0274

State of Delaware
Secretary of State
Division of Corporations
Delivered 01:36 PM 09/29/2017
FILED 01:36 PM 09/29/2017
SR 20176495887 - File Number 3187191

STATE of DELAWARE
LIMITED LIABILITY COMPANY
CERTIFICATE of FORMATION

- * First: The name of the limited liability company is Zodiac Pool Systems LLC
- * Second: The address of its registered office in the State of Delaware is
251 Little Falls Drive in the City of Wilmington
Zip Code 19808
The name of its Registered agent at such address is Corporation Service Company

- * Third: (Insert any other matters the members determine to include herein.)

This Certificate of Formation is to become effective on
September 30, 2017 at 8:01 am

In Witness Whereof, the undersigned have executed this Certificate of Formation this
29th day of September, 2017

By: David McKenery, Jr.
Authorized Person(s)

Name: David McKenery, Jr.
Typed or Printed

SCHEDULE A

Patents owned by Zodiac Pool Systems, Inc.

Title	Application Number	File Date	Patent Number	Grant Date
Chemical injector for use with a pool or spa system and related methods	15/749753	Aug 5, 2016	N/A	N/A
Binary signaling via power switching	62/473348	Mar 18, 2017	N/A	N/A
Lighting assemblies principally for swimming pools and spas	62/569199	Oct 6, 2017	N/A	N/A
Methods of mapping/measuring dimensions of swimming pools and spas	62/568045	Oct 4, 2017	N/A	N/A
Select communications and data aspects of pool and spa equipment such as salt-water chlorinators	62/561763	Sep 22, 2017	N/A	N/A
Systems and methods for mapping or otherwise discerning characteristics of swimming pools and spas	62/531609	Jul 12, 2017	N/A	N/A
Multi-position valve actuators	14/014660	8/30/2013	N/A	N/A
Systems and methods for wirelessly communicating with automatic swimming pool cleaners	14/247572	4/8/2014	N/A	N/A
Fluid-powered motors and pumps	14/461576	8/18/2014	N/A	N/A
Remotely controlling aspects of pools and spas	14/711443	5/13/2015	N/A	N/A
Controlling aspects of pools and spas	14/728678	6/2/2015	N/A	N/A
Automatic swimming pool cleaner concepts	14/816362	8/3/2015	N/A	N/A
Systems, assemblies, and methods of reducing head loss in heating devices	15/067886	3/11/2016	N/A	N/A
Lighting assemblies	15/044640	2/16/2016	N/A	N/A
Automatic auxiliary-power detector for pool systems	15/065176	3/9/2016	N/A	N/A
Automatic addressing scheme for pool system controllers and compatible remote devices	15/067081	3/10/2016	N/A	N/A
Rear-oriented debris canister	15/281671	9/30/2016	N/A	N/A
Pumps	15/290332	10/11/2016	N/A	N/A
Automatic pool cleaners and components thereof	15/435405	2/17/2017	N/A	N/A
Components of automatic pool cleaners	15/591207	5/10/2017	N/A	N/A
Components of automatic pool cleaners	15/591250	5/10/2017	N/A	N/A
Methods, systems, and devices for providing communications capabilities to equipment of swimming pools and spas	15/665754	8/1/2017	N/A	N/A
Remotely controlling aspects of pools and spas	15/712589	9/22/2017	N/A	N/A
Buoyant automatic cleaners for spas and other water-containing vessels	15/695519	9/5/2017	N/A	N/A
A bubbler assembly	15/579519	Jun 3, 2016	N/A	N/A
Suction powered cleaner for swimming pools	09/176532	10/21/1998	6112354	9/5/2000
Apparatus for creating an illuminated waterfall	09/106030	6/29/1998	6132056	10/17/2000
Adjustable mounting collar for a retractable cleaning head	09/332679	6/14/1999	6138293	10/31/2000
Metallurgical bonding of dissimilar metal tubes	09/507367	2/18/2000	6149049	11/21/2000
Apparatus for creating a multi-colored illuminated waterfall or water fountain	09/451335	11/30/1999	6196471	3/6/2001
Modular, interconnectable valve	09/121420	7/23/1998	6240941	6/5/2001
Flow controller for a pool cleaner	09/690332	10/16/2000	6314983	11/13/2001
Fiber optic light bar	09/396640	9/15/1999	6337945	1/8/2002
Spa chemistry monitor and treatment unit	09/927720	8/11/2001	6340431	1/22/2002
Illuminated waterfall	09/630500	8/2/2000	6375342	4/23/2002
Illuminated water feature	09/630489	8/2/2000	6393192	5/21/2002
Fiber optic pool lighting apparatus	09/749052	12/27/2000	6398397	6/4/2002
Fiber optic light source with two chamber cooling	09/747570	12/22/2000	6422730	7/23/2002
Flow control assembly	09/829163	4/9/2001	6484743	11/26/2002
Fiber optic illuminated waterfall	09/742927	12/20/2000	6484952	11/26/2002
Backwash valve	09/812104	3/19/2001	6568428	5/27/2003

Title	Application Number	File Date	Patent Number	Grant Date
Pool cleaner	09/673873	2/28/2001	6601255	8/5/2003
Pool cleaner	10/397939	3/25/2003	6665900	12/23/2003
Fluid flow diverters and diversion methods and water purification equipment including such diverters	09/305735	5/5/1999	6680026	1/20/2004
Sparkle light bulb with controllable memory function	10/075419	2/14/2002	6685339	2/3/2004
Bag clip for a pool cleaner filter bag	10/400118	3/25/2003	6740233	5/25/2004
System and assembly for sanitizing swimming pool water	10/228397	8/27/2002	6827847	12/7/2004
Adaptor especially for use in connection with swimming pool return lines	10/293407	11/13/2002	6851446	2/8/2005
Hydrodynamic bearing	10/412817	4/9/2003	6874641	4/5/2005
Filter bag	10/442454	5/21/2003	6908550	6/21/2005
Automatic swimming pool cleaners with shaped floats and water-temperature or -pressure indicators and water-circulation systems incorporating such indicators	10/616777	7/10/2003	6979400	12/27/2005
Pool/spa heater	10/736303	12/15/2003	6981650	1/3/2006
Motor-driven pump for pool or spa	11/035504	1/13/2005	7001159	2/21/2006
Hose clasp for a pool cleaner filter bag	10/917892	8/13/2004	7029583	4/18/2006
Pool cleaner	10/387932	3/13/2003	7039980	5/9/2006
Fiber optic illuminating apparatus and method	10/302273	11/25/2002	7062129	6/13/2006
Swivel connector for a pipeline	10/450064	1/30/2004	7108293	9/19/2006
Vessels and covers	09/876364	6/7/2001	7141224	11/28/2006
Light emitting diode pool assembly	10/237634	9/9/2002	7204602	4/17/2007
Disposable filter bag for a pool cleaner	10/917790	8/13/2004	7208083	4/24/2007
Replaceable chlorinator electrode assembly	10/979488	11/2/2004	7211176	5/1/2007
Waterfall-producing device	11/264827	10/31/2005	7229027	6/12/2007
Apparatus for purifying water	10/433172	5/28/2003	7238278	7/3/2007
Detachable pool light	10/292664	11/12/2002	7244037	7/17/2007
Disposable filter bag for a pool cleaner	11/103714	4/11/2005	7273546	9/25/2007
Cleaning of a submerged surface	10/490221	8/13/2004	7395571	7/8/2008
Swimming pool and spa controller systems and equipment	11/271205	11/10/2005	7398138	7/8/2008
Hose clasp for a pool cleaner filter bag	11/349797	2/8/2006	7462278	12/9/2008
Cleaning of a submerged surface	10/483371	6/10/2004	7540052	6/2/2009
Method and system for controlling light fixtures	11/555530	11/1/2006	7553039	6/30/2009
Automatic pool cleaner	11/265873	11/3/2005	7690066	4/6/2010
Led lighting system	11/851605	9/7/2007	7699515	4/20/2010
Detachable pool light	11/761580	6/12/2007	7740367	6/22/2010
Adjustable flow nozzles	11/805313	5/23/2007	7770815	8/10/2010
Pool filter	12/053446	3/21/2008	7794591	9/14/2010
Pool filter	11/967664	12/31/2007	7815796	10/19/2010
Diverter valve	11/681015	3/1/2007	7849877	12/14/2010
Multi-port chlorine generator	11/346650	2/3/2006	7879208	2/1/2011
Light emitting diode fixture and heat sink	11/265692	11/1/2005	7910943	3/22/2011
Led lighting system	12/714036	2/26/2010	7938567	5/10/2011
Methods and apparatus for a pool treatment and water system	12/246397	10/6/2008	7951293	5/31/2011
Surface disruptor for laminar jet fountain	12/396466	3/2/2009	8042748	10/25/2011
Automatic swimming pool cleaners	11/224773	9/13/2005	8082617	12/27/2011
Flexible valve assemblies principally for automatic swimming pool cleaners	12/099815	4/9/2008	8100146	1/24/2012
Method and system for controlling light fixtures	12/474755	5/29/2009	8100550	1/24/2012
Pool filter	12/880601	9/13/2010	8137545	3/20/2012
Residential environmental management control system with automatic adjustment	12/340458	12/19/2008	8145357	3/27/2012
Pump mount base	12/508425	7/23/2009	8152128	4/10/2012
Methods and apparatus for a pool treatment and water system	13/149785	5/31/2011	8173011	5/8/2012
Laminar deck jet	12/340520	12/19/2008	8177141	5/15/2012
Multi-lobed seal member	12/395494	2/27/2009	8246055	8/21/2012
Swimming pool cleaner discs with pockets	12/106457	4/21/2008	8312583	11/20/2012

Title	Application Number	File Date	Patent Number	Grant Date
Swimming pool cleaners and components thereof	12/661380	3/17/2010	8479339	7/9/2013
Multi-port chlorine generator	13/018684	2/1/2011	8491764	7/23/2013
Multi-port chlorine generator	13/018703	2/1/2011	8512529	8/20/2013
Retainer band for use in fluid-handling vessels	12/432551	4/29/2009	8516661	8/27/2013
Surface disruptor for laminar jet fountain	13/279968	10/24/2011	8523087	9/3/2013
Valves	13/006672	1/14/2011	8616235	12/31/2013
Chlorinators and other fluid receiving devices	13/185707	7/19/2011	8647483	2/11/2014
Residential environmental management control system with automatic adjustment	13/430623	3/26/2012	8649908	1/22/2014
Swimming pool cleaner discs	13/280052	10/24/2011	8732883	5/27/2014
Fluid-powered motors and pumps	12/564997	9/23/2009	8845276	9/30/2014
Debris filter	13/253117	10/5/2011	8888999	11/18/2014
Diverter valve	12/966792	12/13/2010	8910662	12/16/2014
Flow control and improved heat rise control device for water heaters	13/211456	8/17/2011	9074383	7/7/2015
Flow control and indicator assemblies	13/975438	8/26/2013	9127472	9/8/2015
Idler mechanisms for hydraulic devices	13/049029	3/16/2011	9163421	10/20/2015
Valves	14/093640	12/2/2013	9169935	10/27/2015
Fluid flow deflector assemblies principally for connection to sweep tail hoses of automatic swimming pool cleaners	13/080801	4/6/2011	9249590	2/2/2016
Removable lighting assemblies	14/073373	11/6/2013	9464794	10/11/2016
Hydraulic swimming pool cleaners with electricity generators	14/205408	3/12/2014	9488154	11/8/2016
Hoses principally for automatic swimming pool cleaners	13/400632	2/21/2012	9581275	2/28/2017
Omnidirectional automatic swimming pool cleaners	14/254111	4/16/2014	9670687	6/6/2017
Devices and methods for monitoring water flow through a chlorine-generating or other assembly	14/598742	1/16/2015	9878926	1/30/2018
Pool/spa remote control unit	29/188051	8/11/2003	D494145	8/10/2004
Chlorine tablet	29/192993	10/31/2003	D503771	4/5/2005
Support base for a remote control unit	29/188057	8/11/2003	D510208	10/4/2005
	29/216162	10/29/2004	D516667	3/7/2006
Chlorine tablet	29/223489	2/15/2005	D516668	3/7/2006
Electrode housing and indicator	29/216258	10/29/2004	D527662	9/5/2006
Pool cleaner component	29/295275	9/25/2007	D575466	8/19/2008
Pool cleaner component	29/295259	9/25/2007	D581610	11/25/2008
Pool cleaner component	29/295264	9/25/2007	D581611	11/25/2008
Pool cleaner component	29/295261	9/25/2007	D582112	12/2/2008
Pool cleaner component	29/295267	9/25/2007	D582113	12/2/2008
Pool cleaner component	29/295262	9/25/2007	D582617	12/9/2008
Wheel	29/307812	5/14/2008	D584209	1/6/2009
Hose section	29/295271	9/25/2007	D593186	5/26/2009
Pool cleaner	29/307839	5/14/2008	D594610	6/16/2009
Hose cuff	29/348682	1/28/2010	D634406	3/15/2011
Fluid flow deflector	29/373442	4/8/2011	D654988	2/28/2012
Fluid flow deflector	29/373446	4/8/2011	D654989	2/28/2012
Fluid flow deflector	29/374045	6/27/2011	D657027	4/3/2012
Fluid flow deflector	29/374046	6/27/2011	D665481	8/14/2012
Flow control and indicator assembly	29/463361	10/28/2013	D718419	11/25/2014
Brush for pool cleaner	29/526824	5/13/2015	D760977	7/5/2016
Blade for pool cleaner	29/526867	5/13/2015	D760978	7/5/2016
Brush for pool cleaner	29/550843	1/7/2016	D773765	12/6/2016
Brush for pool cleaner	29/550982	1/8/2016	D796758	9/5/2017
Multicolor led lamp bulb for underwater pool lights	10/136216	5/1/2002	RE39856	9/25/2007

PATENT

RECORDED: 07/26/2018

REEL: 046634 FRAME: 0278