504579244 10/04/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4625955

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KIRK ANDREW ALLEN	09/07/2017
JAMES RICHARD PARKS	09/07/2017
AMIT KUMAR SAHA	09/22/2017
FEI LIU	09/07/2017
MARK W. EMORY	09/07/2017
SAMUEL R. RULLI	09/07/2017

RECEIVING PARTY DATA

Name:	RAIN BIRD CORPORATION
Street Address:	970 WEST SIERRA MADRE AVENUE
City:	AZUSA
State/Country:	CALIFORNIA
Postal Code:	91702

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15649332

CORRESPONDENCE DATA

Fax Number: (312)577-7007

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.

3125777000 Phone:

Email: sahleb@fitcheven.com

Correspondent Name: FITCH, EVEN, TABIN & FLANNERY, LLP 120 SOUTH LASALLE STREET, SUITE 1600 Address Line 1:

Address Line 4: CHICAGO, ILLINOIS 60603-3406

ATTORNEY DOCKET NUMBER:	8473-141226-US
NAME OF SUBMITTER:	MARK W. HETZLER
SIGNATURE:	/Mark W. Hetzler/
DATE SIGNED:	10/04/2017

Total Attachments: 12

PATENT REEL: 044119 FRAME: 0346

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source=141226 ALLEN+ 15-649,332 Assignment to Rain Bird Corporation 0907222017#page1.tif source=141226 ALLEN+ 15-649,332 Assignment to Rain Bird Corporation 0907222017#page2.tif source=141226 ALLEN+ 15-649,332 Assignment to Rain Bird Corporation 0907222017#page3.tif source=141226 ALLEN+ 15-649,332 Assignment to Rain Bird Corporation 0907222017#page4.tif source=141226 ALLEN+ 15-649,332 Assignment to Rain Bird Corporation 0907222017#page5.tif source=141226 ALLEN+ 15-649,332 Assignment to Rain Bird Corporation 0907222017#page6.tif source=141226 ALLEN+ 15-649,332 Assignment to Rain Bird Corporation 0907222017#page7.tif source=141226 ALLEN+ 15-649,332 Assignment to Rain Bird Corporation 0907222017#page8.tif source=141226 ALLEN+ 15-649,332 Assignment to Rain Bird Corporation 0907222017#page9.tif source=141226 ALLEN+ 15-649,332 Assignment to Rain Bird Corporation 0907222017#page10.tif source=141226 ALLEN+ 15-649,332 Assignment to Rain Bird Corporation 0907222017#page10.tif source=141226 ALLEN+ 15-649,332 Assignment to Rain Bird Corporation 0907222017#page11.tif source=141226 ALLEN+ 15-649,332 Assignment to Rain Bird Corporation 0907222017#page11.tif

ASSIGNMENT

I, for good and valuable consideration, receipt of which is hereby acknowledged, have assigned and do hereby assign and sell, which confirms any previous assignment by me or by operation of law, or by my employment obligations, to RAIN BIRD CORPORATION, a California corporation, having its principal place of business at 970 West Sierra Madre Avenue, Azusa, California, 91702, United States of America ("Assignee"), its successors, assigns, and legal representatives, the entire right, title, and interest, in and to all subject matter and improvements invented, made, or conceived by me and described in the application for patent entitled

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having Application Number 15/649,332, filed July 13, 2017, and in and to all patent and all patent convention and treaty rights of all kinds, including the right to claim priority from said application, and all rights in and to any utility model, non-provisional, continuation, continuation-in-part, and divisional application therefrom, and any reissue or re-examination as to any patent issuing therefrom, and any rights from post-grant proceedings, in all countries throughout the world, for all such subject matter described therein, including all rights of action and rights to recover damages for past infringements.

I agree that on request and without further consideration, I will communicate to the Assignee or its representatives or nominees any facts known to me respecting the inventions and improvements and testify in any legal proceeding, make all rightful oaths, sign all lawful papers, and execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights in all countries including, but not limited to, any provisional, non-provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, for any derivation proceedings relating thereto, and, as to any patents that issue from such applications, for any supplemental examination, derivation proceeding, opposition, post grant review, reissue, re-examination, inter partes review, or extension thereof, and generally do everything possible to aid the Assignee, its successors,

Page 1 of 7

Legal Name of Inventor: Kirk Andrew Allen (Given names first, with Family name last) Inventor's Signature: Date: Inventor's Address: 27704 Cherry Creek Drive Valencia, California, 91354 United States of America State of County of known by me (and proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within informent and acknowledged to me that he executed the same in his authorized capacity, by that by his signature on the instrument the person, or the entity upon behalf of which the person with executed the instrument. WITNESS my hand a Notary Public My Comm/ssion Expires:

assigns, and nominees to obtain and enforce proper patent protection for the invention and its

improvements in all countries.

Page 2 of 7

CALIFORNIA ALL-PORPOSE ACKNOWLED	GIVIL CODE § 118
A notary public or other officer completing this certifi- document to which this certificate is attached, and not	cate verifies only the identity of the individual who signed the the truthfulness, accuracy, or validity of that document.
State of California):
County of Las Anderes	
On SELECTIFIE 7 2013 hotors ma D	ninner www. Homer Rome
Date	Here Insert Name and Title of the Officer
personally appeared KIRK AMORES	AULEN
	Name(s) of Signer(s)
subscribed to the within instrument and acknow	Control of the Contro
	I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.
MITCHELL W. WOLF Commission # 2087013 Notary Public - California Los Angeles County My Comm. Expires Nov 18, 2018	WITNESS my hand and official seal. Signature Signature of Notally Public
Though this section is optional, completing this	PTIONAL sinformation can deter alteration of the document or
	is form to an unintended document.
Description of Attached Document Title or Type of Document:	Document Date:
	an Named Above:
Capacity(ies) Claimed by Signer(s)	
Signer's Name: □ Corporate Officer — Title(s):	☐ Corporate Officer — Title(s);
☐ Partner — ☐ Limited ☐ General	☐ Partner — ☐ Limited ☐ General
☐ Individual ☐ Attorney in Fact	☐ Individual ☐ Attorney in Fact
☐ Trustee ☐ Guardian or Conservator ☐ Other:	☐ Trustee ☐ Guardian or Conservator ☐ Other:
Signer is Representing:	Signer Is Representing:
NN NO N	

Legal Name of Inventor: (Given names first, with Family name last)	James Richard Parks
Inventor's Signature:	A falle
Date:	$\rightarrow \rightarrow + + + + + + + + + + + + + + + + + +$
Inventor's Address:	26550 Loop Avenue Santa Clarita, California, 91387 United States of America
State of	
) ss
County of	<i>}</i>
On	efore me
a Notary Public in and for said State, per known by me (and proved to me on the name is subscribed to the within instrume in his authorized capacity, and that by his upon behalf of which the person acted, ex-	ersonally appeared JAMES RICHARD PARKS, personally basis of satisfactory evidence) to be the person whose intended and acknowledged to me that he executed the same is signature on the instrument the person, or the entity excuted the instrument.
WITNESS my hand and official scale,	
Notary Public / W	
My Commission Expires:	

Page 3 of 7

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County of Los Augeses)		
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personally appeared	1 10 RKS	
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who proved to me on the basis of satisfactory subscribed to the within instrument and acknow his/her/their authorized capacity(nec), and that by hor the entity upon behalf of which the person(nec)	/ledged to me that nis/ her/thei r signatu	he/ she/they executed the same in re(s) on the instrument the person(s)
		IALTY OF PERJURY under the laws lifornia that the foregoing paragraph
MITCHELL W. WOLF Commission # 2087013	WITNESS my hand	d and official seal.
Notary Public - California Los Angeles County	Signature ///	CARIO CAL
My Comm. Expires Nov 18, 2018	Cidiomic VXXX	Signature of Notary Public
Though this section is optional, completing this fraudulent reatlachment of this		
Description of Attached Document Title or Type of Document:	 Dog	mand Bata.
Number of Pages: Signer(s) Other Tha		ument Date:
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Signer's Name:		
□ Corporate Officer Title(s):	☐ Corporate C	· Ifficer — Title(s):
□ Partner — □ Limited □ General	☐ Partner — 〔	☐ Limited ☐ General
☐ Individual ☐ Attorney in Fact	☐ Individual	☐ Attorney in Fact
☐ Trustee ☐ Guardian or Conservator ☐ Other:	☐ Trustee	☐ Guardian or Conservator
Signer Is Representing:	Signer Is Repr	esenting:
	Strategies in the self-should be referred about the contract of the	
©2014 National Notary Association • www.NationalNota	ary.org • 1-800-US No	OTARY (1-800-876-6827) Item #5907

Legal Name of Inventor: (Given names first, with Family name last) Inventor's Signature:	Amit Kumar Saha Audt Cl	
Date:	09/22/17	
Inventor's Address:	6730 Stichter Avenue Dallas, Texas, 75230 United States of America	
State of) ss	
On September 22, 2017, before me, Calocal A. Palacios a Notary Public in and for said State, personally appeared AMIT KUMAR SAHA, personally known by me (and proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.		
WITNESS my hand and official seal.		
Notary Public My Commission Expires: (Y\(\alpha\sigma\), 23	A,2010	

REEL: 044119 FRAME: 0353

Given name of inventor: (Given names first, with Family name last)	Fei Liu
Inventor's Signature:	
Date:	41/21
Inventor's Address:	2345 Canyon Park Drive Diamond Bar, California, 91765 United States of America
State of	
County of) \$\$
	and the state of t
	- Andrews
a Notary Public in and for said State, pers proved to me on the basis of satisfactory of the within instrument and actinowledge capacity, and that by his significance on the which the person acted, accounted that instru	efore me,, onally appeared FELLIU, personally known by me (and evidence) to be the person whose name is subscribed to d to me that he executed the same in his authorized the instrument the person, or the entity upon behalf of rument.
WITNESS my harfit apptorficial Neal.	*
Notary Public /	
My Commission Expires:	

Page 5 of 7

CALIFORNIA ALL-PURPOSE ACKNOWLE	D GMENT CIVII	_ CODE § 118
		YAYARAHARIA KAN
A notary public or other officer completing this cert document to which this certificate is attached, and no	ot the truthfulness, accuracy, or validity of that do	who signed the cument.
State of California)	
County of Los Ausruss)	
On Settermber 7, 2017 before me, /	MITHELL WWOLF, NOTHEY PUBLI	4
Date	Here Insert Name and Title of the C	
personally appeared		···
	Name(s) of Signer(s)	
who proved to me on the basis of satisfactors subscribed to the within instrument and acknowledge in the satisfactor subscriber authorized capacity (1944), and that be or the entity upon behalf of which the person (1944).	owledged to me that he/ske/they execute y his/her/their signature(e)con the instrumer racted, executed the instrument.	ed the same in the person()
	I certify under PENALTY OF PERJURY of the State of California that the foreg- is true and correct.	under the laws oing paragraph
	WITNESS my hand and official seal.	
MITCHELL W. WOLF Commission # 2087013		
Notary Public - California	Signature ////////////////////////////////////	
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Place Notary Seal Above	\!?\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
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Description of Attached Document	mo rom to un um assauca document	
Title or Type of Document:	Document Date:	
Number of Pages: Signer(s) Other T	han Named Above:	
Capacity(ies) Claimed by Signer(s)		
Signer's Name: □ Corporate Officer — Title(s):	Signer's Name:	
□ Partner — □ Umited □ General	☐ Corporate Officer — Title(s): ☐ Partner — ☐ Limited ☐ Genera	
☐ Individual ☐ Attorney in Fact	☐ Individual ☐ Attorney in Fa	
☐ Trustee ☐ Guardian or Conservator	☐ Trustee ☐ Guardian or C	
Other:	Other:	
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	Y TANK TANK TANK TANK TANK TANK TANK TANK	aministration in a service of the se

Legal Name of Inventor: (Given names first, with Family name last)	Mark W. Emory	
Inventor's Signature:		
Date:	9/2/14	
Inventor's Address:	2910 Maple Avenue Fullerton, California, 92835 United States of America	
State of		
County of) ss)	
On	efore me,,	
a Notary Public in and for said State, per	sonally appeared MARK W. EMORY, personally known	
	satisfactory evidence) to be the person whose name is acknowledged to me that he executed the same in his	
authorized capacity, and that by his sign	ature on the instrument the person, or the entity upon	
behalf of which the person acted executed	d the instrument.	
WITNESS my hand and ordinal seal.		
Notary Public		
My Commission Expires:		

Page 6 of 7

CALIFORNIA ALL-PURPOSE ACKNOWLED	GMENT CIVIL CODE § 1189
A notary public or other officer completing this certificate is attached, and not	icate verifies only the identity of the individual who signed the the truthfulness, accuracy, or validity of that document.
ar and the second of the secon	y
County of Los Angeres)
On <u>\$270ml(2, 7, 30)7</u> before me, <u>M</u>	WHELL WWOLF, MASTRAY ROCK
© Date	Here Insert Name and Title of the Officer
personally appeared MAKK W. EMOKY	
	Name(s) of Signer(s)
subscribed to the within instrument and acknow	
	I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.
MITCHELL W. WOLF Commission # 2087013 Notary Public - California Los Angeles County My Comm. Expires Nov 18, 2018	WITNESS my hand and official seal. Signature
Place Notary Seal Above	
Though this section is optional, completing thi	PTIONAL is information can deter alteration of the document or is form to an unintended document.
Description of Attached Document	
	an Named Above:
Signer's Name: □ Corporate Officer — Title(s):	Signer's Name:
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□ Partner — □ Limited □ General □ Individual □ Attorney in Fact	☐ Partner — ☐ Limited ☐ General
☐ Trustee ☐ Guardian or Conservator	☐ Individual ☐ Attorney in Fact ☐ Trustee ☐ Guardian or Conservator
□ Other: Signer Is Representing:	☐ Other:Signer Is Representing:

Legal Name of Inventor: (Given names first, with Family name last)	Samuel R. Rylli	
	Lan 11/2 2	
Inventor's Signature:		
Date:	1/2/17	
Inventor's Address:	222 North Rose Street, Unit 308 Burbank, California, 91505 United States of America	
State of		
County of		
On	/ctore me,	
a Notary Public in and for said State, per	sonally appeared SAMUEL R. RULLI, personally known (satisfactory evidence) to be the person whose name is	
subscribed to the within instrument and	acknowledged to me that he executed the same in his	
authorized capacity, and that by his sign behalf of which the person a that execute	ture on the instrument the person, or the entity upon	
W.V	M	
WITNESS my hand and chicial and	&	
Notary Public		
My Commission Expires:		

Page 7 of 7

CALIFORNIA ALL-PURPOSE ACKNOWLEDG	MENT CIVIL CODE § 118
A notary public or other officer completing this certific document to which this certificate is attached, and not t	50 50 500 5000 5000000
State of California)	
County of Los Arreces)	
On <i>\$2707888 7, 8617</i> before me, <u>(71</u> 1	
Date	Here Insert Name and Title of the Officer
personally appeared <u>Samueu R. Ruu</u>	4
	Name(s) of Signer(s)
subscribed to the within instrument and acknow	evidence to be the person(*) whose name(*) is/** ledged to me that he/she/they executed the same in is/her/their signature(*) on the instrument the person(*) cted, executed the instrument.
	I certify under PENALTY OF PERJURY under the law of the State of California that the foregoing paragraph is true and correct.
MATCHELL W MOCK	WITNESS my hand and official seal.
Commission # 2087013 R Notary Public - California	Signature ////////////////////////////////////
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Number of Pages: Signer(s) Other Tha	n Named Above:
Capacity(ies) Claimed by Signer(s)	
Signer's Name: Corporate Officer — Title(s):	Signer's Name:
□ Corporate Officer — Trile(s): □ Partner — □ Limited □ General	☐ Corporate Officer — Title(s): ☐ Partner — ☐ Limited ☐ General
Individual	☐ Individual ☐ Attorney in Fact
☐ Trustee ☐ Guardian or Conservator	☐ Trustee ☐ Guardian or Conservator
Other:	Other:
Signer Is Representing:	Signer Is Representing:

PATENT REEL: 044119 FRAME: 0359

RECORDED: 10/04/2017