## 505295993 01/25/2019

## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
MARK M. ENSWORTH	01/09/2007
BARBARA E. BOOTH	01/10/2007
DEAN C. THORNTON	12/06/2006
DAVID G. FERN	01/05/2007
RANDALL A. HERN	11/16/2006
RAJIV DABIR	11/22/2006
MALCOLM N. NAPIER	12/08/2006

## **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:	16229596

## **CORRESPONDENCE DATA**

Fax Number:

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.

Email: dtran@fitcheven.com

Correspondent Name: JENNIFER V. SUAREZ

Address Line 1: 120 SOUTH LASALLE STREET

Address Line 2: SUITE 2100

Address Line 4: CHICAGO, ILLINOIS 60603

ATTORNEY DOCKET NUMBER:	8473-144300-US
NAME OF SUBMITTER:	JENNIFER V. SUAREZ
SIGNATURE:	/Jennifer V. Suarez/
DATE SIGNED:	01/25/2019

PATENT 505295993 REEL: 048134 FRAME: 0365

# Total Attachments: 8 source=8473-144300-US\_Executed Assignment (from 138462)#page1.tif source=8473-144300-US\_Executed Assignment (from 138462)#page2.tif source=8473-144300-US\_Executed Assignment (from 138462)#page3.tif source=8473-144300-US\_Executed Assignment (from 138462)#page4.tif source=8473-144300-US\_Executed Assignment (from 138462)#page5.tif source=8473-144300-US\_Executed Assignment (from 138462)#page6.tif source=8473-144300-US\_Executed Assignment (from 138462)#page7.tif source=8473-144300-US\_Executed Assignment (from 138462)#page8.tif

PATENT REEL: 048134 FRAME: 0366

## ASSIGNMENT

We, MARK M. ENSWORTH, of Orange, County of Orange and State of California; BARBARA E. BOOTH, of Tucson, State of Arizona; DEAN C. THORNTON, of Alpine, County of San Diego and State of California; DAVID G. FERN, of Santee, County of San Diego and State of California, RANDALL A. HERN, of San Diego, County of San Diego and State of California, RAJIV DABIR, of Post Falls, State of Indiana; and MALCOLM N. NAPIER, of San Diego, County of San Diego and State of California, for good and valuable consideration, receipt of which is hereby acknowledged, have assigned and do hereby assign to RAIN BIRD CORPORATION, a California corporation, having a place of business at 145 North Grand Avenue, Glendora, California 91741, its successors, assigns and legal representatives, the entire right, title and interest, in and to all subject matter invented by us and disclosed in the application for Letters Patent of the United States entitled

# WIRELESS EXTENSION TO AN IRRIGATION CONTROL SYSTEM AND RELATED METHODS

application number 11/458,535, filed on July 19, 2006, and provisional application number 60/701,436 filed on July 19, 2005, and in and to all Letters Patent and all Convention and Treaty rights of all kinds, including the right to claim priority from said application, and all rights in and to any continuation, continuation-in-part, and divisional application there from, and any reissue or re-examination as to any Letters Patent issuing there from, 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, and request issuance of all said Letters Patent to the above assignee in accordance with this assignment.

We agree to do all lawful acts, including the execution of all papers and the giving of testimony, necessary or desirable to obtain, sustain, reissue, or enforce said Letters Patent and rights in all countries throughout the world, and to perfect, record, or maintain the title of Assignee, its successors, assigns and legal representatives, to said invention, said application, and any Letters Patent granted for said invention in all countries throughout the world.

We represent and warrant that we have not granted and will not grant to others any rights inconsistent with the rights granted herein, and that said invention, said application, and any Letters Patent granted for said invention are free and clear of all encumbrances and liens.

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Idaho

Dated:	MARK M. ENSWORTH
State of CALIFORNIA ) County of WS ANGELES )	
On JANUARY 9TH	_, 2007, before me, <u>Μιτιμείι ω ωωί</u> ,
Notary Public, personally appeared	MARK M. ENSWORTH, (or proved to me on the basis of
satisfactory evidence) to be the person	on whose name is subscribed to the within instrument and
acknowledged to me that he/she execu	ted the same in his/her authorized capacity, and that by his/her
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.	MITCHELL W. WOLF Commission # 1699941
Mothell W Wolf Signature of Notary Public	(Seal)  Notary Public - California Los Argeles County My Corryn, Explies Nov 18, 2016

Dated: <u>10/07</u>	BARBARA E. BOOTH			31.70
	DARBARA E. BOOTH			
State of AMZMa) County of Pima)				
on January 10	_, 2007, before me,	Naomi	Tellen	<u>-</u>
Notary Public, personally appeared				basis of
satisfactory evidence) to be the pers	on whose name is sub	scribed to the	he within instrum	ent and
acknowledged to me that he/she execu	ted the same in his/her a	uthorized ca	pacity, and that by	y his/her
signature on the instrument the person	, or the entity upon beha	alf of which t	the person acted, e	executed
the instrument.				
WITNESS my hand and official seal.  Signature of Notary Public	(Seal)		OFFICIAL SEAL NAOM! TELLEZ Notary Public - Arizi PIMA COUNTY My Comm Exp 12/20/	one

EXECUTION BEFORE NOTARY	
Dated: 12-06-06 DEAN C	THORNTON
State of California ) County of San Diego )	
on Dumber 6, 2006	, before me, P. White,
Notary Public, personally appeared <u>DEAN C. Ti</u>	HORNTON, (or proved to me on the basis of satisfactory
evidence) to be the person whose name is subs	cribed to the within instrument and acknowledged to
me that he she executed the same in his her aut	horized capacity, and that by his her signature on the
instrument the person, or the entity upon behal	f of which the person acted, executed the instrument.
WITNESS my hand and official seal.  Butter  Signature of Notary Public	P. WHITE Commission # 1416320 Notary Public - California San Diego County My Comm. Expires May 6, 2007
OR EXECUTION BEFORE WITNESS	<u>ES</u>
, 2006	
Date	DEAN C. THORNTON
Executed in my presence on this aforementioned individual known to me to be	day of, 2006 by the the person named in this assignment.
First Witness (Signature)	Second Witness (Signature)

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First Witness Name (Typed or Printed)

Second Witness Name (Typed or Printed)

# **EXECUTION BEFORE NOTARY**

State of California County of San Diego  On	Dated:	
County of San Diego )  On	DAV	TID G. FERN
Notary Public, personally appeared DAVID G. FERN, (or 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/she executed the same in his/her authorized capacity, and that by his/her 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.  (Seal)  Signature of Notary Public  OR EXECUTION BEFORE WITNESSES  Date  DAVID G. FERN  Executed in my presence on this day of, 2006 by the aforementioned individual known to me to be the person named in this assignment.  Human full	,	
evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her 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.  (Seal)  Signature of Notary Public  OR EXECUTION BEFORE WITNESSES  Date  David G. Fern  Executed in my presence on this day of, 2006 by the aforementioned individual known to me to be the person named in this assignment.  Have first the subscribed to the within instrument and acknowledged to me that he within instrument and acknowledged to me that he/she executed the within instrument and acknowledged to me that he/she executed the within instrument and acknowledged to me that he/she executed the within instrument and acknowledged to me that he/she executed the within instrument and acknowledged to me that he/she executed the within instrument and acknowledged to me that he/she executed the within instrument and acknowledged to me that he/she executed the person acted, executed the instrument.  WITNESS my hand and official seal.  Geal)	On, 20	006, before me,,
me that he/she executed the same in his/her authorized capacity, and that by his/her 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.  (Seal)  Signature of Notary Public  OR EXECUTION BEFORE WITNESSES  Date  David G. Fern  Executed in my presence on this day of, 2006 by the aforementioned individual known to me to be the person named in this assignment.  Human human human day of, 2006 by the aforementioned individual known to me to be the person named in this assignment.	Notary Public, personally appeared <u>DAVID</u>	G. FERN, (or proved to me on the basis of satisfactory
instrument the person, or the entity upon behalf of which the person acted, executed the instrument.  WITNESS my hand and official seal.  (Seal)  Signature of Notary Public  OR EXECUTION BEFORE WITNESSES  Date  David G. Fern  Executed in my presence on this day of, 2006 by the aforementioned individual known to me to be the person named in this assignment.  Human Jule  August 1.	evidence) to be the person whose name is st	ubscribed to the within instrument and acknowledged to
WITNESS my hand and official seal.  (Seal)  OR EXECUTION BEFORE WITNESSES  Date  David G. Fern  Executed in my presence on this day of, 2006 by the aforementioned individual known to me to be the person named in this assignment.  Human full	me that he/she executed the same in his/her	authorized capacity, and that by his/her signature on the
Signature of Notary Public  OR EXECUTION BEFORE WITNESSES	instrument the person, or the entity upon be	half of which the person acted, executed the instrument.
OR EXECUTION BEFORE WITNESSES    John	WITNESS my hand and official seal.	
OR EXECUTION BEFORE WITNESSES    John	Signature of Notary Public	(Seal)
Executed in my presence on this day of, 2006 by the aforementioned individual known to me to be the person named in this assignment.  There are the control of the person named in this assignment.	OR EXECUTION BEFORE WITNE	<u>sses</u>
aforementioned individual known to me to be the person named in this assignment.		DAVID G. FERN
First Witness (Signature) Second Witness (Signature)		
Thomas A. Kiltlen CUONG DO	, ,	
First Witness Name (Typed or Printed)  Second Witness Name (Typed or Printed)		

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Dated: //-16-06	RANDALL A. HERN
	TO NOT THE TO THE TOTAL OF THE
State of California ) County of San Diego )	
On Movember 16	
Notary Public, personally appeared R	ANDALL A. HERN, (or proved to me on the basis of satisfactory
evidence) to be the person whose nan	ne is subscribed to the within instrument and acknowledged to
	is/her authorized capacity, and that by his/her signature on the
instrument the person, or the entity up	oon behalf of which the person acted, executed the instrument.
WITNESS my hand and official seal.  Signature of Notary Public	OFFICIAL SEAL PERNELL FOSTER NOTARY PUBLIC-CALIFORNIA COMM. NO. 1552165 SAN DIEGO COUNTY MY COMM. EXP. FEB. 12, 2009

# **EXECUTION BEFORE NOTARY**

Dated:				
	Rajiv	DABIR		
State of California ) County of San Diego )				
On	, 200	)6, before me	·,	.,
Notary Public, personally	appeared RAJIV 1	DABIR, (or p	roved to me on the	basis of satisfactory
evidence) to be the person v	vhose name is sul	bscribed to th	e within instrument a	and acknowledged to
me that he/she executed the	same in his/her a	uthorized cap	pacity, and that by his	her signature on the
instrument the person, or th	e entity upon beh	alf of which t	the person acted, exec	cuted the instrument.
WITNESS my hand and of	ficial seal.			
Signature of Notary Pub	ic	(Seal)		and the second s
OR EXECUTION BEF	ORE WITNES	SES		
November 22 Date	, 2006		RAJIV DABIR	
Executed in my presence of aforementioned individual First Witness (Signature)	known to me to b	Second V	November  named in this assign  Aul A. Witness (Signature)  Aul A. KNIG	<u></u>
Gary Fride First Witness Name (Typed	or Printed)		Witness Name (Typed	

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EXECUTION BEFORE NOTARY	
Dated: VEC 8 2006  MALCOLM N. NAPIER  MALCOLM N. NAPIER	
State of California ) County of San Diego )	
On <u>December 8</u> , 2006, before me, <u>KANEN A. MAGWIRE</u> ,	
Notary Public, personally appeared MALCOLM N. NAPIER, (or 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/she executed the same in his/her authorized capacity, and that by his/her	
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.  WITNESS my hand and official seal.  KAREN A. MAGUIRE COMM. #1569556 Notary Public-California SAN DIEGO COUNTY My Comm. Exp. May 13, 2009  My Comm. Exp. May 13, 2009	ESI1
Signature of Notary Public	
Date  OR EXECUTION BEFORE WITNESSES    Complete   Compl	
Executed in my presence on this day of, 2006 by the aforementioned individual known to me to be the person named in this assignment.	
First Witness (Signature) Second Witness (Signature)	
First Witness Name (Typed or Printed)  Second Witness Name (Typed or Printed)  8 of 8	

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PATENT REEL: 048134 FRAME: 0374