

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4103638

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	MARK M. ENSWORTH	07/19/2016
	JAE YUNG KIM	06/27/2016
	MARK RICHARD EDRIS	07/19/2016
	JOSEPH NAZARI	07/05/2016
	SAMIR SHAH	07/19/2016
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	RAIN BIRD CORPORATION	
<b>Street Address:</b>	970 WEST SIERRA MADRE AVENUE	
<b>City:</b>	AZUSA	
<b>State/Country:</b>	CALIFORNIA	
<b>Postal Code:</b>	91702	
<b>PROPERTY NUMBERS Total: 1</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	14910573	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(312)577-7007	
<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>		
<b>Phone:</b>	3125777000	
<b>Email:</b>	sahleb@fitcheven.com	
<b>Correspondent Name:</b>	FITCH, EVEN, TABIN & FLANNERY, LLP	
<b>Address Line 1:</b>	120 SOUTH LASALLE STREET, SUITE 1600	
<b>Address Line 4:</b>	CHICAGO, ILLINOIS 60603-3406	
<b>ATTORNEY DOCKET NUMBER:</b>	8473-132660-US	
<b>NAME OF SUBMITTER:</b>	MARK W. HETZLER	
<b>SIGNATURE:</b>	/Mark W. Hetzler/	
<b>DATE SIGNED:</b>	10/19/2016	
<b>Total Attachments: 11</b>		
source=132660 ENSWORTH+ 14-910,573 Assignment to Rain Bird Corporation#page1.tif		

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**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, 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

**ELASTOMERIC EMITTER AND METHODS RELATING TO SAME**

having Application Number 14/910,573, filed February 5, 2016, as the U.S. National Phase of PCT/US2014/050623, filed August 12, 2014, 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, continuation, continuation-in-part, and divisional application therefrom, and any reissue or re-examination as to any patent issuing therefrom, 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, assigns, and nominees to obtain and enforce proper patent protection for the invention and its improvements in all countries.

Legal Name of Inventor:

(Given names first, with Family name last)

Mark M. Ensworth



Inventor's Signature:

Date:

7/19/16

Inventor's Address:

8336 East Ironwood Avenue  
Orange, California, 92869  
United States of America

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss

On \_\_\_\_\_, before me, \_\_\_\_\_,  
a Notary Public in and for said State, personally appeared MARK M. ENSWORTH, personally  
known by me (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 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: \_\_\_\_\_

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

**CIVIL CODE § 1189**

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California )

County of LOS ANGELES )

On JULY 19, 2016 before me, MITCHELL W. WOLF, NOTARY PUBLIC,  
Date Here Insert Name and Title of the Officer

personally appeared MARK M. ENSWORTH  
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person~~(s)~~ whose name~~(s)~~ is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity~~(ies)~~, and that by his/~~her/their~~ signature~~(s)~~ on the instrument the person~~(s)~~, or the entity upon behalf of which the person~~(s)~~ acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature Mitchell W. Wolf  
Signature of Notary Public

Place Notary Seal Above

**OPTIONAL**

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

**Description of Attached Document**

Title or Type of Document: \_\_\_\_\_ Document Date: \_\_\_\_\_

Number of Pages: \_\_\_\_\_ Signer(s) Other Than Named Above: \_\_\_\_\_

**Capacity(ies) Claimed by Signer(s)**

Signer's Name: \_\_\_\_\_

☐ Corporate Officer — Title(s): \_\_\_\_\_

☐ Partner — ☐ Limited ☐ General

☐ Individual ☐ Attorney in Fact

☐ Trustee ☐ Guardian or Conservator

☐ Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_

Signer's Name: \_\_\_\_\_

☐ Corporate Officer — Title(s): \_\_\_\_\_

☐ Partner — ☐ Limited ☐ General

☐ Individual ☐ Attorney in Fact

☐ Trustee ☐ Guardian or Conservator

☐ Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_

Legal Name of Inventor: Jae Yung Kim  
(Given names first, with Family name last)

Inventor's Signature:

Jae Kim

Date:

6 / 27 / 16

Inventor's Address:

1375 Kelton Avenue #401  
Los Angeles, California, 90024  
United States of America

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss

On \_\_\_\_\_, before me, \_\_\_\_\_,  
a Notary Public in and for said State, personally appeared JAE YUNG KIM, personally known by  
me (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 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

California Notarial  
Loose Certificate  
attached

My Commission Expires: \_\_\_\_\_

# CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

A notary public or other officer completing this certificate, verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California  
County of Orange

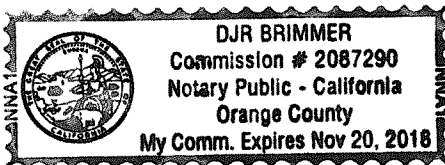
On Monday, June 27, 2016 before me, DJR Brimmer Notary Public, personally appeared

**JAE YUNG KIM**

Who 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.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature

A handwritten signature in black ink, appearing to read "Jae Yung Kim", written over a horizontal line.

## Description of Attached Document

Title or Type of Document: ASSIGNMENT ATTORNEY DOCKET # 8473-132660-US

Document Date: JUNE 27,2016 Number of Pages: 6

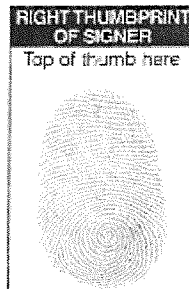
Signer(s) Other Than Named Above: None

### Capacity Claimed by Signer

**Signers Name: JAE YUNG KIM**

- ☒ Individual  
☐ Corporate Officer — Title(s): \_\_\_\_\_  
☐ Partner — ☐ Limited ☐ General  
☐ Attorney in Fact  
☐ Trustee  
☐ Guardian or Conservator  
☐ Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_



Legal Name of Inventor:

(Given names first, with Family name last)

Mark Richard Edris

Inventor's Signature:

*Mark R. Edris*

Date:

*7/19/16*

Inventor's Address:

430 East Haltern Avenue  
Glendora, California, 91740  
United States of America

State of \_\_\_\_\_ )

) ss

County of \_\_\_\_\_ )

On \_\_\_\_\_, before me, \_\_\_\_\_,  
a Notary Public in and for said State, personally appeared MARK RICHARD EDRIS, personally  
known by me (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 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: \_\_\_\_\_



**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

**CIVIL CODE § 1189**

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California )  
 County of LOS ANGELES )  
 On JULY 19, 2016 before me, MITCHELL W. WOLF, NOTARY PUBLIC,  
 Date Here Insert Name and Title of the Officer  
 personally appeared MARK RICHARD EDRIS  
 Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person~~(s)~~ whose name~~(s)~~ is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity~~(ies)~~, and that by his/~~her/their~~ signature~~(s)~~ on the instrument the person~~(s)~~, or the entity upon behalf of which the person~~(s)~~ acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature Mitchell W. Wolf  
 Signature of Notary Public

Place Notary Seal Above

**OPTIONAL**

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

**Description of Attached Document**

Title or Type of Document: \_\_\_\_\_ Document Date: \_\_\_\_\_

Number of Pages: \_\_\_\_\_ Signer(s) Other Than Named Above: \_\_\_\_\_

**Capacity(ies) Claimed by Signer(s)**

Signer's Name: \_\_\_\_\_

☐ Corporate Officer — Title(s): \_\_\_\_\_

☐ Partner — ☐ Limited ☐ General

☐ Individual ☐ Attorney in Fact

☐ Trustee ☐ Guardian or Conservator

☐ Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_

Signer's Name: \_\_\_\_\_

☐ Corporate Officer — Title(s): \_\_\_\_\_

☐ Partner — ☐ Limited ☐ General

☐ Individual ☐ Attorney in Fact

☐ Trustee ☐ Guardian or Conservator

☐ Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_

Legal Name of Inventor: Joseph Nazari  
(Given names first, with Family name last)

Inventor's Signature:

Joseph Nazari

Date:

July 5, 2016

Inventor's Address:

3010 Montrose Avenue, Unit #7  
La Crescenta, California, 91214  
United States of America

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss

On \_\_\_\_\_, before me, \_\_\_\_\_,  
a Notary Public in and for said State, personally appeared JOSEPH NAZARI, personally known by  
me (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 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: \_\_\_\_\_

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

**CIVIL CODE § 1189**

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California )  
 County of LOS ANGELES )  
 On JULY 5, 2016 before me, MITCHELL W WOLF, Notary Public,  
 Date Here Insert Name and Title of the Officer  
 personally appeared JOSEPH NAZARI  
 Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person~~(s)~~ whose name~~(s)~~ is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity~~(ies)~~, and that by his/~~her/their~~ signature~~(s)~~ on the instrument the person~~(s)~~ or the entity upon behalf of which the person~~(s)~~ acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature Mitchell W Wolf  
 Signature of Notary Public

Place Notary Seal Above

**OPTIONAL**

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**Capacity(ies) Claimed by Signer(s)**

Signer's Name: \_\_\_\_\_

☐ Corporate Officer — Title(s): \_\_\_\_\_

☐ Partner — ☐ Limited ☐ General

☐ Individual ☐ Attorney in Fact

☐ Trustee ☐ Guardian or Conservator

☐ Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_

Signer's Name: \_\_\_\_\_

☐ Corporate Officer — Title(s): \_\_\_\_\_

☐ Partner — ☐ Limited ☐ General

☐ Individual ☐ Attorney in Fact


☐ Trustee ☐ Guardian or Conservator

☐ Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_

Legal Name of Inventor:  
(Given names first, with Family name last) Samir Shah

Inventor's Signature:

  
7/19/16

Date:

Inventor's Address: 3954 Coast Oak Circle  
Chino Hills, California, 91709  
United States of America

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss

On \_\_\_\_\_, before me, \_\_\_\_\_,  
a Notary Public in and for said State, personally appeared SAMIR SHAH, personally known by  
me (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 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: \_\_\_\_\_

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

CIVIL CODE § 1189

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State of California )

County of LOS ANGELES )

On JULY 19, 2016 before me, MITCHELL W WOLF, NOTARY PUBLIC,  
Date Here Insert Name and Title of the Officer

personally appeared SAMIA SHAH  
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person~~(s)~~ whose name~~(s)~~ is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity~~(ies)~~, and that by his/~~her/their~~ signature~~(s)~~ on the instrument the person~~(s)~~, or the entity upon behalf of which the person~~(s)~~ acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature Mitchell W Wolf  
Signature of Notary Public

Place Notary Seal Above

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Signer's Name: \_\_\_\_\_

☐ Corporate Officer — Title(s): \_\_\_\_\_

☐ Partner — ☐ Limited ☐ General

☐ Individual ☐ Attorney in Fact

☐ Trustee ☐ Guardian or Conservator

☐ Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_

Signer's Name: \_\_\_\_\_

☐ Corporate Officer — Title(s): \_\_\_\_\_

☐ Partner — ☐ Limited ☐ General

☐ Individual ☐ Attorney in Fact

☐ Trustee ☐ Guardian or Conservator

☐ Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_