# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4823087

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
KEN GOLDBERG	08/24/2016
STEFANO CARPIN	08/25/2016
STEPHEN MCKINLEY	08/29/2016
STAVROS VOUGIOUKAS	08/24/2016
DAVID GEALY	08/29/2016

#### RECEIVING PARTY DATA

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Street Address:	1111 FRANKLIN STREET, TWELFTH FLOOR
City:	OAKLAND
State/Country:	CALIFORNIA
Postal Code:	94607-5200

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15752474

### **CORRESPONDENCE DATA**

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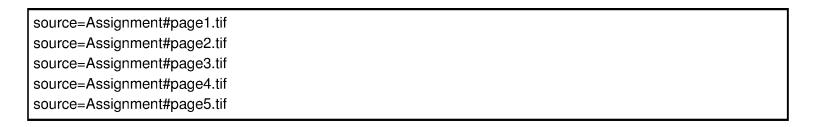
Address Line 4: WASHINGTON, D.C. 20043-9998

ATTORNEY DOCKET NUMBER:	130996.426203
NAME OF SUBMITTER:	LAURA G. REMUS
SIGNATURE:	/LAURA G. REMUS/
DATE SIGNED:	02/13/2018

**Total Attachments: 5** 

**PATENT REEL: 044915 FRAME: 0283** 

504776358



UC, Case No. UC-BK-2015-208-2

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S),

Ken GOLDBERG, Stefano CARPIN, Stephen MCKINLEY, Stavros VOUGIOUKAS and David GEALY

hereby sells, assigns and transfers to ASSIGNEE, The Regents of the University of California, a California Corporation, having its statewide administrative offices located 1111 Franklin Street, Twelfth Floor, Oakland, CA 94607-5200, and the successors, assigns and legal representatives of the ASSIGNEE all of its right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the invention entitled:

LOW COST PRECISION IRRIGATION SYSTEM WITH PASSIVE VALVES AND PORTABLE ADJUSTING DEVICE

and which	is found in			
(a) U.S. patent application filed herewith and listing the above named persons as inventors				
(b)	U.S. Provisional Application Seria	il No.	, filed on	
(c)	U.S. Patent Application Serial No		, filed on	
(d)	U.S. Patent No.		, issued	
	International Patent Application S			ed on <u>August 11, 2016</u>
obtained: USC 111 Internatio	legal equivalent thereof in a foreign for said invention by the above application or substitute thereof, and any anal Conventions for the Protection	plication or any continuation, div reissue, reexamination or exte of Industrial Property;	nsion of said Letters Patent an	d all rights under all
would co	OR(S) hereby agrees that no assignflict with this assignment;			
ASSIGNOR(S) further agrees that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, post grant review, inter partes review, litigation, or proceeding relating thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. An attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filing date and serial number of said application when officially known.  AND the ASSIGNOR(S) requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE, The Regents of the University of California.				
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	Inventor Name	Executed this Date	Signature of Invent	JAW.
	LDBERG	24 Aug 2016		
	CARPIN			
Stephen	MCKINLEY	3		
	VOUGIOUKAS			
David GEALY				
This box is for office use only				
Assigned hereby accepts this Assignment:    Assigned hereby accepts this Assignment:   And Assignment:				

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## LOW COST PRECISION IRRIGATION SYSTEM WITH PASSIVE VALVES AND PORTABLE ADJUSTING DEVICE

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(a) U.S. patent application filed herewith and listing the above named persons as inventors			
(b) U.S. Provisional Application Ser	rial No.	, filed on	
(c) U.S. Patent Application Serial N	0	, filed on	<del></del>
(d) U.S. Patent No		, issued	<del></del>
(e) X International Patent Application	Serial No. <u>PCT/US2016/04658</u>	<u>0</u> , fil	led on <u>August 11, 2016</u>
and any legal equivalent thereof in a fore obtained for said invention by the above a USC 111(a) or substitute thereof, and at International Conventions for the Protection	pplication or any continuation, d ny reissue, reexamination or ex	ivision, continuation-in-part, exte	HEIGH, COHYCLEION IO 22
ASSIGNOR(S) hereby agrees that no assignment;	gnment, sale, agreement or encu	mbrance has been or will be mad	le or entered into which
ASSIGNOR(S) further agrees that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, post grant review, inter partes review, litigation, or proceeding relating thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. An attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filing date and serial number of said application when officially known.  AND the ASSIGNOR(S) requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States and			
any reissue or extension thereof to the ASSIGNEE, The Regents of the University of California.			
Y was to Nove	Executed this Date	Signature of Inven	itors
Inventor Name Ken GOLDBERG			
Stefano CARPIN	8/25/2016	87 ST	
Stephen MCKINLEY			
Stavros VOUGIOUKAS			
David GEALY			
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Assigned hereby accepts this Assignment:    Assigned hereby accepts this Assignment:   ASSIGNEE   B/3/16     Name   National Property   National P			

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(c) U.S. Patent Application Serial N	0	, filed on	
(d) U.S. Patent No		, issued	
(e) X International Patent Application	Serial No. <u>PCT/US2016/04658</u>	80, filed on <u>August 11, 2016</u>	
obtained for said invention by the above at	pplication or any continuation, d ny reissue, reexamination or ex	to claim priority and, in and to, all Letters Patent to be division, continuation-in-part, extension, conversion to 35 xtension of said Letters Patent and all rights under all	
ASSIGNOR(S) hereby agrees that no assignment;	gnment, sale, agreement or encu	imbrance has been or will be made or entered into which	
ASSIGNOR(S) further agrees that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, post grant review, inter partes review, litigation, or proceeding relating thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. An attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filing date and serial number of said application when officially known.  AND the ASSIGNOR(S) requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE, The Regents of the University of California.			
Inventor Name	Executed this Date	Signature of Inventors	
Ken GOLDBERG			
Stefano CARPIN		11 1 11100	
Stephen MCKINLEY	8/29/16	xupper Mainly	
Stavros VOUGIOUKAS David GEALY			
David Obali			
This box is for office use only			
Assignee hereby accepts this Assignment:			
HONW Wales ATTORNEY FOR ASSIGNEE 8/31/16			
Name Title / Date			
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(c) U.S. Patent Application Serial No	0,	, filed on	<del></del>	
(d) U.S. Patent No.		, issued		
(e) X International Patent Application	Serial No. <u>PCT/US2016/046</u>	580	, filed on <u>August 11, 2016</u>	
and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111(a) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all international Conventions for the Protection of Industrial Property;  ASSIGNOR(S) hereby agrees that no assignment, sale, agreement or encumbrance has been or will be made or entered into which				
would conflict with this assignment;	, , ,			
ASSIGNOR(S) further agrees that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents elating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will estify as to the same in any interference, post grant review, inter partes review, litigation, or proceeding relating thereto and will romptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply or, obtain, maintain, issue or enforce said application, said invention and said Letters Patent and said equivalents thereof which may encessary or desirable to carry out the purposes thereof. An attorney of record is authorized and requested by the execution of his assignment to insert into this assignment the filling date and serial number of said application when officially known.  AND the ASSIGNOR(S) requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States and my reissue or extension thereof to the ASSIGNEE, The Regents of the University of California.				
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Inventor Name	Executed this Date	Signature of	[ Inventors	
Ken GOLDBERG				
tefano CARPIN				
tephen MCKINLEY tavros VOUGIOUKAS	August, 24 201	6 5/low	ount to	
David GEALY	110.70.01		7	
his box is for office use only				
ASSIGNEE hereby accepts this Assignment:  HOW AUNTORNEY FOR ASSIGNEE 8/34/6  Date				
ame / Julio				

UC. Case No. UC-BK-2015-208-2

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(d) U.S. Patent No.	, issu	ed		
(e) X International Patent Application	Serial No. <u>PCT/US2016/046580</u>	, filed on <u>August 11, 2016</u>		
and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111(a) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property;				
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Inventor Name	. Executed this Date	Signature of Inventors		
Ken GOLDBERG				
Stefano CARPIN				
Stephen MCKINLEY				
Stavros VOUGIOUKAS				
David GEALY	8-29-2016	1/aiii) XV -		
100009				
This box is for office use only  Assignee hereby accepts this Assignment:				
Horry & Daley ATTORNEY FOR ASSIGNEE 8/34/16				
Name Title	Name Title / Date			

PATENT REEL: 044915 FRAME: 0289

**RECORDED: 02/13/2018**