

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3031878

| | |
|---|--------------------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| IOANNIS V BLETSOS | 07/21/2014 |
| ROBERT RUDOLPH MATHESON JR | 07/21/2014 |
| DEBORA FLANAGAN MASSOUDA | 09/09/2014 |
| JI YEON HUH | 07/16/2014 |
| RECEIVING PARTY DATA | |
| Name: | E. I. DU PONT DE NEMOURS AND COMPANY |
| Street Address: | 1007 MARKET STREET |
| City: | WILMINGTON |
| State/Country: | DELAWARE |
| Postal Code: | 19898 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 14307893 |
| CORRESPONDENCE DATA | |
| Fax Number: | (302)355-3982 |
| <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> | |
| Phone: | 302-999-4143 |
| Email: | CAROL.A.REEDER@DUPONT.COM |
| Correspondent Name: | LAURENCE PEARSON |
| Address Line 1: | 974 CENTRE ROAD |
| Address Line 2: | CHESTNUT RUN PLAZA 721 |
| Address Line 4: | WILMINGTON, DELAWARE 19805 |
| ATTORNEY DOCKET NUMBER: | TK5330USNP |
| NAME OF SUBMITTER: | CAROL REEDER |
| SIGNATURE: | /CAROL REEDER/ |
| DATE SIGNED: | 09/22/2014 |
| Total Attachments: 8 | |
| source=20140916_TK5330USNP_Assignment#page1.tif | |
| source=20140916_TK5330USNP_Assignment#page2.tif | |

source=20140916_TK5330USNP_Assignment#page3.tif
source=20140916_TK5330USNP_Assignment#page4.tif
source=20140916_TK5330USNP_Assignment#page5.tif
source=20140916_TK5330USNP_Assignment#page6.tif
source=20140916_TK5330USNP_Assignment#page7.tif
source=20140916_TK5330USNP_Assignment#page8.tif

NON-PROVISIONAL APPLICATION ASSIGNMENT

We, the undersigned

IOANNIS V BLETSOS, ROBERT RUDOLPH MATHESON, JR., DEBORA
FLANAGAN MASSOUDA, JI YEON HUH

Hereby declare that

We are the inventors of an invention entitled

System and Method for Irrigation

which is disclosed in the United States Patent Application No. 14/307893 filed on June 18, 2014 and
which is identified as Case Number TK5330-US-NP.

For valuable consideration, the receipt and adequacy of which is hereby acknowledged and in fulfillment
of our pre-existing obligation of assignment, we hereby:

I. Sell, assign, and transfer unto E I DU PONT DE NEMOURS AND COMPANY, a corporation
organized and existing under the laws of the State of Delaware in the United States of America and having its
principal place of business at Wilmington, Delaware, hereinafter referred to as the assignee, (A) the entire right,
title, and interest in and to: (1) the aforesaid application for Letters Patent, (2) any priority rights derived from the
aforesaid application for Letters Patent by virtue of the International Convention for the Protection of Industrial
Property and any other treaty or understanding for intellectual property for any and all member countries of the
aforesaid International Convention or other treaty or understanding, (3) any and all our inventions, whether joint
or sole, disclosed in the aforesaid application for Letters Patent, (4) any and all applications for Letters Patent
for any such inventions in any country whatsoever, (5) any and all patents for any such inventions in any
country whatsoever; and (B) the sole right to (1) file such applications in its name or ours, (2) file such
applications under the aforesaid International Convention or other treaty or understanding, (3) have said patents
granted in its name or ours, and (4) enforce said patents and to sue for and recover profits and damages for any
and all infringements thereof whether past or future; and

II. Agree, whenever requested, to communicate to said assignee, its successors, assigns, and legal
representatives, any facts known to us respecting said inventions or the rights described above, to testify in any
legal proceeding respecting said inventions or the rights described above, the location of that testimony to be in
the country in which we reside or in the nearest country in which such testimony is legal should our country of
residence prohibit such testimony, to execute all applications, papers or instruments necessary or required by
said assignee, its successors, assigns and legal representatives, to carry into effect any of the provisions of this
instrument, and generally to do everything possible to aid said assignee, its successors, assigns, and legal
representatives to obtain and enforce proper patent protection for said inventions.

Ioannis V. Bletsos (L.S.)
IOANNIS V BLETSOS
DATE: July 21, 2014

DEBORA FLANAGAN MASSOUDA (L.S.)
DATE: _____

ROBERT RUDOLPH MATHESON, JR. (L.S.)
DATE: _____

JI YEON HUH (L.S.)
DATE: _____

NON-PROVISIONAL APPLICATION ASSIGNMENT

We, the undersigned

IOANNIS V BLETSOS, ROBERT RUDOLPH MATHESON, JR., DEBORA
FLANAGAN MASSOUDA, JI YEON HUH

Hereby declare that

We are the inventors of an invention entitled

System and Method for Irrigation

which is disclosed in the United States Patent Application No. 14/307893 filed on June 18, 2014 and which is identified as Case Number TK5330-US-NP.

For valuable consideration, the receipt and adequacy of which is hereby acknowledged and in fulfillment of our pre-existing obligation of assignment, we hereby:

I. Sell, assign, and transfer unto E I DU PONT DE NEMOURS AND COMPANY, a corporation organized and existing under the laws of the State of Delaware in the United States of America and having its principal place of business at Wilmington, Delaware, hereinafter referred to as the assignee, (A) the entire right, title, and interest in and to: (1) the aforesaid application for Letters Patent, (2) any priority rights derived from the aforesaid application for Letters Patent by virtue of the International Convention for the Protection of Industrial Property and any other treaty or understanding for intellectual property for any and all member countries of the aforesaid International Convention or other treaty or understanding, (3) any and all our inventions, whether joint or sole, disclosed in the aforesaid application for Letters Patent, (4) any and all applications for Letters Patent for any such inventions in any country whatsoever, (5) any and all patents for any such inventions in any country whatsoever; and (B) the sole right to (1) file such applications in its name or ours, (2) file such applications under the aforesaid International Convention or other treaty or understanding, (3) have said patents granted in its name or ours, and (4) enforce said patents and to sue for and recover profits and damages for any and all infringements thereof whether past or future; and

II. Agree, whenever requested, to communicate to said assignee, its successors, assigns, and legal representatives, any facts known to us respecting said inventions or the rights described above, to testify in any legal proceeding respecting said inventions or the rights described above, the location of that testimony to be in the country in which we reside or in the nearest country in which such testimony is legal should our country of residence prohibit such testimony, to execute all applications, papers or instruments necessary or required by said assignee, its successors, assigns and legal representatives, to carry into effect any of the provisions of this instrument, and generally to do everything possible to aid said assignee, its successors, assigns, and legal representatives to obtain and enforce proper patent protection for said inventions.

(L.S.)
IOANNIS V BLETSOS
DATE: _____

Debora Flanagan Massouda

(L.S.)
DEBORA FLANAGAN MASSOUDA
DATE: 9/9/2014

(L.S.)
ROBERT RUDOLPH MATHESON, JR.
DATE: _____

(L.S.)
JI YEON HUH
DATE: _____

NON-PROVISIONAL APPLICATION ASSIGNMENT

We, the undersigned

IOANNIS V BLETSOS, ROBERT RUDOLPH MATHESON, JR., DEBORA FLANAGAN
MASSOUDA, JI YEON HUH

Hereby declare that

We are the inventors of an invention entitled

System and Method for Irrigation

which is disclosed in the United States Patent Application No. 14/307893 filed on June 18, 2014 and which is identified as Case Number TK5330-US-NP.

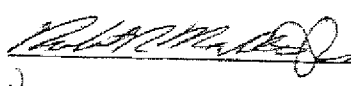
For valuable consideration, the receipt and adequacy of which is hereby acknowledged and in fulfillment of our pre-existing obligation of assignment, we hereby:

I. Sell, assign, and transfer unto E I DU PONT DE NEMOURS AND COMPANY, a corporation organized and existing under the laws of the State of Delaware in the United States of America and having its principal place of business at Wilmington, Delaware, hereinafter referred to as the assignee, (A) the entire right, title, and interest in and to: (1) the aforesaid application for Letters Patent, (2) any priority rights derived from the aforesaid application for Letters Patent by virtue of the International Convention for the Protection of Industrial Property and any other treaty or understanding for intellectual property for any and all member countries of the aforesaid International Convention or other treaty or understanding, (3) any and all our inventions, whether joint or sole, disclosed in the aforesaid application for Letters Patent, (4) any and all applications for Letters Patent for any such inventions in any country whatsoever, (5) any and all patents for any such inventions in any country whatsoever; and (B) the sole right to (1) file such applications in its name or ours, (2) file such applications under the aforesaid International Convention or other treaty or understanding, (3) have said patents granted in its name or ours, and (4) enforce said patents and to sue for and recover profits and damages for any and all infringements thereof whether past or future; and

II. Agree, whenever requested, to communicate to said assignee, its successors, assigns, and legal representatives, any facts known to us respecting said inventions or the rights described above, to testify in any legal proceeding respecting said inventions or the rights described above, the location of that testimony to be in the country in which we reside or in the nearest country in which such testimony is legal should our country of residence prohibit such testimony, to execute all applications, papers or instruments necessary or required by said assignee, its successors, assigns and legal representatives, to carry into effect any of the provisions of this instrument, and generally to do everything possible to aid said assignee, its successors, assigns, and legal representatives to obtain and enforce proper patent protection for said inventions.

_____) (L.S
)
IOANNIS V BLETSOS
DATE: _____

_____) (L.S
)
DEBORA FLANAGAN MASSOUDA
DATE: _____

 _____) (L.S
)
ROBERT RUDOLPH MATHESON, JR.
DATE: July 21, 2014

_____) (L.S
)
JI YEON HUH
DATE: _____

NON-PROVISIONAL APPLICATION ASSIGNMENT

We, the undersigned

IOANNIS V BLETSOS, ROBERT RUDOLPH MATHESON, JR., DEBORA
FLANAGAN MASSOUDA, JI YEON HUH

Hereby declare that

We are the inventors of an invention entitled

System and Method for Irrigation

which is disclosed in the United States Patent Application No. 14/307893 filed on June 18, 2014 and
which is identified as Case Number TK5330-US-NP.

For valuable consideration, the receipt and adequacy of which is hereby acknowledged and in fulfillment
of our pre-existing obligation of assignment, we hereby:

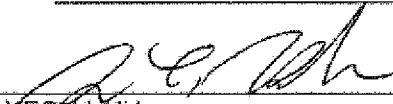
I. Sell, assign, and transfer unto E I DU PONT DE NEMOURS AND COMPANY, a corporation
organized and existing under the laws of the State of Delaware in the United States of America and having its
principal place of business at Wilmington, Delaware, hereinafter referred to as the assignee, (A) the entire right,
title, and interest in and to: (1) the aforesaid application for Letters Patent, (2) any priority rights derived from the
aforesaid application for Letters Patent by virtue of the International Convention for the Protection of Industrial
Property and any other treaty or understanding for intellectual property for any and all member countries of the
aforesaid International Convention or other treaty or understanding, (3) any and all our inventions, whether joint
or sole, disclosed in the aforesaid application for Letters Patent, (4) any and all applications for Letters Patent
for any such inventions in any country whatsoever, (5) any and all patents for any such inventions in any
country whatsoever; and (B) the sole right to (1) file such applications in its name or ours, (2) file such
applications under the aforesaid International Convention or other treaty or understanding, (3) have said patents
granted in its name or ours, and (4) enforce said patents and to sue for and recover profits and damages for any
and all infringements thereof whether past or future; and

II. Agree, whenever requested, to communicate to said assignee, its successors, assigns, and legal
representatives, any facts known to us respecting said inventions or the rights described above, to testify in any
legal proceeding respecting said inventions or the rights described above, the location of that testimony to be in
the country in which we reside or in the nearest country in which such testimony is legal should our country of
residence prohibit such testimony, to execute all applications, papers or instruments necessary or required by
said assignee, its successors, assigns and legal representatives, to carry into effect any of the provisions of this
instrument, and generally to do everything possible to aid said assignee, its successors, assigns, and legal
representatives to obtain and enforce proper patent protection for said inventions.

_____(L.S.)
IOANNIS V BLETSOS
DATE: _____

_____(L.S.)
DEBORA FLANAGAN MASSOUDA
DATE: _____

_____(L.S.)
ROBERT RUDOLPH MATHESON, JR.
DATE: _____

_____(L.S.)

JI YEON HUH
DATE: 7/16/14

RECORDED: 09/22/2014

**PATENT
REEL: 033786 FRAME: 0272**