

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3958769

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
LARRY M. CONRAD	07/07/2016
RICHARD L. RICE	07/11/2016
REX A. RYSDAM	07/06/2016
RICHARD M. PORTER	07/07/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	AMVAC CHEMICAL CORPORATION
<b>Street Address:</b>	4695 MACARTHUR COURT
<b>Internal Address:</b>	SUITE 1200
<b>City:</b>	NEWPORT BEACH
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	92660
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15208605
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	949-640-6261
<b>Email:</b>	LNGinsberg@LNGinsberg.com
<b>Correspondent Name:</b>	LAWRENCE N. GINSBERG
<b>Address Line 1:</b>	21 SAN ANTONIO
<b>Address Line 4:</b>	NEWPORT BEACH, CALIFORNIA 92660-9112
<b>ATTORNEY DOCKET NUMBER:</b>	AME010
<b>NAME OF SUBMITTER:</b>	LAWRENCE N. GINSBERG
<b>SIGNATURE:</b>	/LAWRENCE N. GINSBERG/
<b>DATE SIGNED:</b>	07/13/2016
<b>Total Attachments: 4</b>	
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source=AME010-Assignment\_combined-signed--uspto#page4.tif

## ASSIGNMENT OF INVENTION

WHEREAS, LARRY M. CONRAD (hereinafter "Assignor") has invented certain new and useful improvements in

**ELECTRONICALLY PULSING AGRICULTURAL PRODUCT  
WITH SEED UTILIZING SEED TRANSPORT MECHANISM**

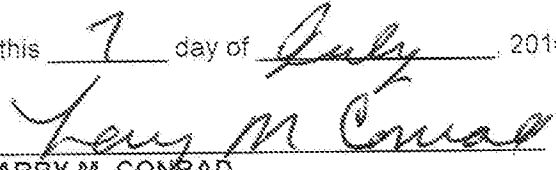
(hereinafter "invention") for which Assignor is making or has made application for LETTERS PATENT OF THE UNITED STATES, which application has been duly executed by Assignor on even date herewith.

AND WHEREAS, AMVAC CHEMICAL CORPORATION, a corporation organized and existing under the laws of the State of California, U.S.A., having a place of business at 4695 MacArthur Court, Suite 1200, Newport Beach, CA 92660 hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said invention within the United States of America and its territorial possessions and all foreign countries and any United States or foreign LETTERS PATENT that may be granted therefore.

NOW, THIS INDENTURE WITNESSETH, that for good and valuable considerations, the receipt whereof is hereby acknowledged, Assignor has assigned, sold and transferred, and does hereby assign, sell and transfer to the said Assignee the entire right, title and interest in and to the said invention, within the United States of America and its territorial possessions and all foreign countries and in and to any LETTERS PATENT of the United States and foreign countries, including utility models, inventor's certificates and like government grants, and all divisions, reissues, continuations and extensions thereof that may be granted therefor, and the right to apply for LETTERS PATENT in foreign countries with full benefit of such priorities as may now or hereafter be granted to Assignor by local laws or by treaty, including any international convention, for the protection of industrial property, together with the right to extend the protection of said U.S. LETTERS PATENT to the various territorial possessions now owned or which may be hereafter acquired by the United States of America, all said rights to be held and enjoyed by the Assignee for its own use and benefit, and for the use and benefit of its successors or assigns, to the full end of the term for which said LETTERS PATENT may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment and sale had not been made. And Assignor does hereby request and authorize the Commissioner of Patents and Trademarks, U.S.A., to issue said U.S. LETTERS PATENT, when granted, in accordance with this assignment.

Assignor further covenants and agrees with the Assignee that Assignor has a full and unencumbered title to the invention hereby assigned, which title Assignor warrants unto the Assignee, and Assignor further agrees that Assignor will, without demanding any further consideration therefor, at the request but at the expense of the Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining, sustaining, extending, reissuing or reexamining United States and foreign LETTERS PATENT or the like for the said invention, and for maintaining and perfecting the Assignee's right to said invention, and for maintaining and perfecting the Assignee's right to said invention and LETTERS PATENT particularly in cases of interference, conflict, opposition and litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 7 day of July, 2016.

  
LARRY M. CONRAD

## ASSIGNMENT OF INVENTION

WHEREAS, **Richard L. Rice** (hereinafter "Assignor") has invented certain new and useful improvements in

**ELECTRONICALLY PULSING AGRICULTURAL PRODUCT  
WITH SEED UTILIZING SEED TRANSPORT MECHANISM**

(hereinafter "invention") for which Assignor is making or has made application for LETTERS PATENT OF THE UNITED STATES, which application has been duly executed by Assignor on even date herewith.

AND WHEREAS, **AMVAC CHEMICAL CORPORATION**, a corporation organized and existing under the laws of the State of California, U.S.A., having a place of business at 4695 MacArthur Court, Suite 1200, Newport Beach, CA 92660 hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said invention within the United States of America and its territorial possessions and all foreign countries and any United States or foreign LETTERS PATENT that may be granted therefore.

NOW, THIS INDENTURE WITNESSETH, that for good and valuable considerations, the receipt whereof is hereby acknowledged, Assignor has assigned, sold and transferred, and does hereby assign, sell and transfer to the said Assignee the entire right, title and interest in and to the said invention, within the United States of America and its territorial possessions and all foreign countries and in and to any LETTERS PATENT of the United States and foreign countries, including utility models, inventor's certificates and like government grants, and all divisions, reissues, continuations and extensions thereof that may be granted therefor, and the right to apply for LETTERS PATENT in foreign countries with full benefit of such priorities as may now or hereafter be granted to Assignor by local laws or by treaty, including any international convention, for the protection of industrial property, together with the right to extend the protection of said U.S. LETTERS PATENT to the various territorial possessions now owned or which may be hereafter acquired by the United States of America, all said rights to be held and enjoyed by the Assignee for its own use and benefit, and for the use and benefit of its successors or assigns, to the full end of the term for which said LETTERS PATENT may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment and sale had not been made. And Assignor does hereby request and authorize the Commissioner of Patents and Trademarks, U.S.A., to issue said U.S. LETTERS PATENT, when granted, in accordance with this assignment.

Assignor further covenants and agrees with the Assignee that Assignor has a full and unencumbered title to the invention hereby assigned, which title Assignor warrants unto the Assignee, and Assignor further agrees that Assignor will, without demanding any further consideration therefor, at the request but at the expense of the Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining, sustaining, extending, reissuing or reexamining United States and foreign LETTERS PATENT or the like for the said invention, and for maintaining and perfecting the Assignee's right to said invention, and for maintaining and perfecting the Assignee's right to said invention and LETTERS PATENT particularly in cases of interference, conflict, opposition and litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 11th day of July, 2016.



Richard L. Rice

## ASSIGNMENT OF INVENTION

WHEREAS, REX A. RYSDAM (hereinafter "Assignor") has invented certain new and useful improvements in

**ELECTRONICALLY PULSING AGRICULTURAL PRODUCT  
WITH SEED UTILIZING SEED TRANSPORT MECHANISM**

(hereinafter "invention") for which Assignor is making or has made application for LETTERS PATENT OF THE UNITED STATES, which application has been duly executed by Assignor on even date herewith.

AND WHEREAS, AMVAC CHEMICAL CORPORATION, a corporation organized and existing under the laws of the State of California, U.S.A., having a place of business at 4695 MacArthur Court, Suite 1200, Newport Beach, CA 92660 hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said invention within the United States of America and its territorial possessions and all foreign countries and any United States or foreign LETTERS PATENT that may be granted therefore.

NOW, THIS INDENTURE WITNESSETH, that for good and valuable considerations, the receipt whereof is hereby acknowledged, Assignor has assigned, sold and transferred, and does hereby assign, sell and transfer to the said Assignee the entire right, title and interest in and to the said invention, within the United States of America and its territorial possessions and all foreign countries and in and to any LETTERS PATENT of the United States and foreign countries, including utility models, inventor's certificates and like government grants, and all divisions, reissues, continuations and extensions thereof that may be granted therefor, and the right to apply for LETTERS PATENT in foreign countries with full benefit of such priorities as may now or hereafter be granted to Assignor by local laws or by treaty, including any international convention, for the protection of industrial property, together with the right to extend the protection of said U.S. LETTERS PATENT to the various territorial possessions now owned or which may be hereafter acquired by the United States of America, all said rights to be held and enjoyed by the Assignee for its own use and benefit, and for the use and benefit of its successors or assigns, to the full end of the term for which said LETTERS PATENT may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment and sale had not been made. And Assignor does hereby request and authorize the Commissioner of Patents and Trademarks, U.S.A., to issue said U.S. LETTERS PATENT, when granted, in accordance with this assignment.

Assignor further covenants and agrees with the Assignee that Assignor has a full and unencumbered title to the invention hereby assigned, which title Assignor warrants unto the Assignee, and Assignor further agrees that Assignor will, without demanding any further consideration therefor, at the request but at the expense of the Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining, sustaining, extending, reissuing or reexamining United States and foreign LETTERS PATENT or the like for the said invention, and for maintaining and perfecting the Assignee's right to said invention, and for maintaining and perfecting the Assignee's right to said invention and LETTERS PATENT particularly in cases of interference, conflict, opposition and litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 6th day of July, 2016.

  
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REX A. RYSDAM

## ASSIGNMENT OF INVENTION

WHEREAS, RICHARD M. PORTER (hereinafter "Assignor") has invented certain new and useful improvements in

**ELECTRONICALLY PULSING AGRICULTURAL PRODUCT  
WITH SEED UTILIZING SEED TRANSPORT MECHANISM**

(hereinafter "invention") for which Assignor is making or has made application for LETTERS PATENT OF THE UNITED STATES, which application has been duly executed by Assignor on even date herewith.

AND WHEREAS, AMVAC CHEMICAL CORPORATION, a corporation organized and existing under the laws of the State of California, U.S.A., having a place of business at 4695 MacArthur Court, Suite 1200, Newport Beach, CA 92660 hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said invention within the United States of America and its territorial possessions and all foreign countries and any United States or foreign LETTERS PATENT that may be granted therefore.

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IN TESTIMONY WHEREOF, I have hereunto set my hand this 7TH day of JULY, 2016.

  
RICHARD M. PORTER