

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Paul M. Yaniga	12/22/2004
Richard J. Bordogna	12/20/2004
Gerald L. Swoyer	12/01/2004
Charles H. Hunt	12/07/2004

RECEIVING PARTY DATA

Name:	Brandywine Energy and Development Company, Inc.
Street Address:	P. O. Box 756
City:	Frazier
State/Country:	PENNSYLVANIA
Postal Code:	19355

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	10118463

CORRESPONDENCE DATA

Fax Number: (215)563-4044

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 215-563-4100

Email: seland@ddhs.com

Correspondent Name: Stephen H. Eland

Address Line 1: 1601 Market Street

Address Line 2: Suite 2400

Address Line 4: Philadelphia, PENNSYLVANIA 19103-2307

NAME OF SUBMITTER:

Stephen H. Eland

Total Attachments: 4

source=Bordogna assignment#page1.tif

source=Hunt assignment#page1.tif

PATENT

REEL: 015483 FRAME: 0114

500015559

CH \$40.00 10118463

source=Swoyer assignment#page1.tif

source=Yaniga assignment#page1.tif

ASSIGNMENT

WHEREAS, Richard J. Bordogna, hereinafter referred to as ASSIGNOR, is a named inventor of an invention entitled: "GAS OPERATED AUTOMATIC, LIQUID PUMPING SYSTEM FOR WELLS" described and claimed in United States Provisional Application No. 60/282,398, filed April 6, 2001; an invention described and claimed in United States Patent Application No. 10/118,463, filed April 8, 2002; and an invention described and claimed in International Patent Application No. PCT/US03/10593, filed April 7, 2003; and

WHEREAS, BRANDYWINE ENERGY AND DEVELOPMENT COMPANY, INC., a corporation organized and existing under and by virtue of the laws of the Commonwealth of Pennsylvania, and engaged in business at P.O. Box 756, Frazier, PA, 19355, United States, hereinafter referred to as ASSIGNEE, is desirous of acquiring the said invention and any and all applications for Letters Patent and any and all Letters Patent of the United States and foreign countries that may be issued therefor;

NOW, THEREFORE, the parties hereto, intending to be legally bound, agree that, in consideration of good and valuable consideration paid to ASSIGNOR by ASSIGNEE, the receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and set over and hereby does sell, assign and set over, unto ASSIGNEE, its successors and assigns, his or her entire right, title and interest for, to and within the United States and all foreign countries, in and to the aforesaid invention, including the right to claim priority to the above-referenced application in any foreign application and in and to any and all Letters Patent which may be issued therefor in the United States and in any and all foreign countries.

And ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States to ASSIGNEE, its successors and assigns, as the owner of all right, title and interest therein.

And for said consideration, it is hereby covenanted and agreed that at the request and expense of ASSIGNEE, its successors and assigns, ASSIGNOR will execute any further papers and do such other acts and things as may be necessary and proper to permit ASSIGNEE, its successors and assigns, to procure Letters Patent for said invention in the United States and in such foreign countries as ASSIGNEE, its successors and assigns may elect, and vest the full title thereto in ASSIGNEE, its successors and assigns.

IN WITNESS WHEREOF, this Assignment has been executed on the day and month indicated below.

Date

Signature

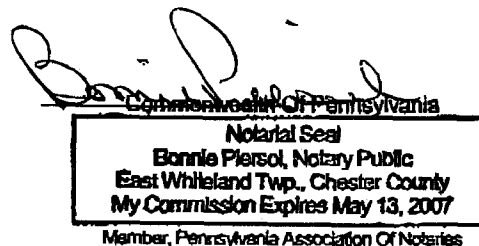
12-20-04


RICHARD J. BORDOGNA

COMMONWEALTH OF PENNSYLVANIA

COUNTY OF Chester

Before me, the undersigned, a notary public, in and for the county aforesaid, on this 20th of December 2004, personally appeared Richard J. Bordogna to me known to be the person described in and who executed the foregoing instrument and who acknowledged that they executed the same as their free act and deed and desired the same to be recorded as such.



PATENT

REEL: 015483 FRAME: 0116

ASSIGNMENT

WHEREAS, Charles H. Hunt, hereinafter referred to as ASSIGNOR, is a named inventor of an invention entitled: "GAS OPERATED AUTOMATIC, LIQUID PUMPING SYSTEM FOR WELLS" described and claimed in United States Provisional Application No.60/282,398, filed April 6, 2001; an invention described and claimed in United States Patent Application No.10/118,463, filed April 8, 2002; and an invention described and claimed in International Patent Application No. PCT/US03/10593, filed April 7, 2003; and

WHEREAS, BRANDYWINE ENERGY AND DEVELOPMENT COMPANY, INC., a corporation organized and existing under and by virtue of the laws of the Commonwealth of Pennsylvania, and engaged in business at P.O. Box 756, Frazier, PA, 19355, United States, hereinafter referred to as ASSIGNEE, is desirous of acquiring the said invention and any and all applications for Letters Patent and any and all Letters Patent of the United States and foreign countries that may be issued therefor;

NOW, THEREFORE, the parties hereto, intending to be legally bound, agree that, in consideration of good and valuable consideration paid to ASSIGNOR by ASSIGNEE, the receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and set over and hereby does sell, assign and set over, unto ASSIGNEE, its successors and assigns, his or her entire right, title and interest for, to and within the United States and all foreign countries, in and to the aforesaid invention, including the right to claim priority to the above-referenced application in any foreign application and in and to any and all Letters Patent which may be issued therefor in the United States and in any and all foreign countries.

And ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States to ASSIGNEE, its successors and assigns, as the owner of all right, title and interest therein.

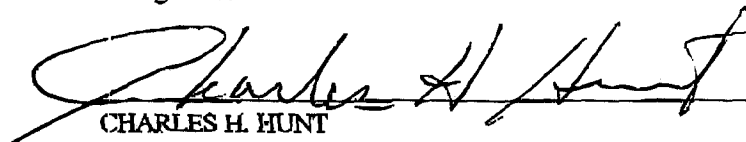
And for said consideration, it is hereby covenanted and agreed that at the request and expense of ASSIGNEE, its successors and assigns, ASSIGNOR will execute any further papers and do such other acts and things as may be necessary and proper to permit ASSIGNEE, its successors and assigns, to procure Letters Patent for said invention in the United States and in such foreign countries as ASSIGNEE, its successors and assigns may elect, and vest the full title thereto in ASSIGNEE, its successors and assigns.

IN WITNESS WHEREOF, this Assignment has been executed on the day and month indicated below.

Date

Signature

12/7/04

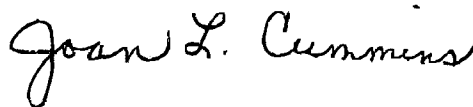

CHARLES H. HUNT

COMMONWEALTH OF PENNSYLVANIA

COUNTY OF Chester

Before me, the undersigned, a notary public, in and for the county aforesaid, on this 7th of December, 2004, personally appeared Charles H. Hunt to me known to be the person described in and who executed the foregoing instrument and who acknowledged that they executed the same as their free act and deed and desired the same to be recorded as such.

Notarial Seal
Joan L. Cummins, Notary Public
Malvern Boro, Chester County
My Commission Expires Feb. 18, 2006
Member, Pennsylvania Association of Notaries



ASSIGNMENT

WHEREAS, Gerald L. Swoyer, hereinafter referred to as ASSIGNOR, is a named inventor of an invention entitled: "GAS OPERATED AUTOMATIC, LIQUID PUMPING SYSTEM FOR WELLS" described and claimed in United States Provisional Application No. 60/282,398, filed April 6, 2001; an invention described and claimed in United States Patent Application No. 10/118,463, filed April 8, 2002; and an invention described and claimed in International Patent Application No. PCT/US03/10593, filed April 7, 2003; and

WHEREAS, BRANDYWINE ENERGY AND DEVELOPMENT COMPANY, INC., a corporation organized and existing under and by virtue of the laws of the Commonwealth of Pennsylvania, and engaged in business at P.O. Box 756, Frazier, PA, 19355, United States, hereinafter referred to as ASSIGNEE, is desirous of acquiring the said invention and any and all applications for Letters Patent and any and all Letters Patent of the United States and foreign countries that may be issued therefor;

NOW, THEREFORE, the parties hereto, intending to be legally bound, agree that, in consideration of good and valuable consideration paid to ASSIGNOR by ASSIGNEE, the receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and set over and hereby does sell, assign and set over, unto ASSIGNEE, its successors and assigns, his or her entire right, title and interest for, to and within the United States and all foreign countries, in and to the aforesaid invention, including the right to claim priority to the above-referenced application in any foreign application and in and to any and all Letters Patent which may be issued therefor in the United States and in any and all foreign countries.

And ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States to ASSIGNEE, its successors and assigns, as the owner of all right, title and interest therein.

And for said consideration, it is hereby covenanted and agreed that at the request and expense of ASSIGNEE, its successors and assigns, ASSIGNOR will execute any further papers and do such other acts and things as may be necessary and proper to permit ASSIGNEE, its successors and assigns, to procure Letters Patent for said invention in the United States and in such foreign countries as ASSIGNEE, its successors and assigns may elect, and vest the full title thereto in ASSIGNEE, its successors and assigns.

IN WITNESS WHEREOF, this Assignment has been executed on the day and month indicated below.

Date

12/1/04

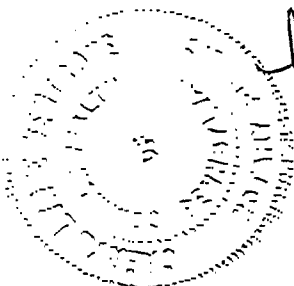
Signature

Gerald L. Swoyer
GERALD L. SWOYER

COMMONWEALTH OF PENNSYLVANIA

COUNTY OF Chester

Before me, the undersigned, a notary public, in and for the county aforesaid, on this 1st of December, 2004, personally appeared Gerald L. Swoyer to me known to be the person described in and who executed the foregoing instrument and who acknowledged that they executed the same as their free act and deed and desired the same to be recorded as such.



Cheryl Lynne Ventrona

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Cheryl Lynne Ventrona, Notary Public
East Whiteland Twp., Chester County
My Commission Expires Mar. 22, 2008
Member, Pennsylvania Association Of Notaries

ASSIGNMENT

WHEREAS, Paul M. Yaniga, hereinafter referred to as ASSIGNOR, is a named inventor of an invention entitled: "GAS OPERATED AUTOMATIC, LIQUID PUMPING SYSTEM FOR WELLS" described and claimed in United States Provisional Application No. 60/282,398, filed April 6, 2001; an invention described and claimed in United States Patent Application No. 10/118,463, filed April 8, 2002; and an invention described and claimed in International Patent Application No. PCT/US03/10593, filed April 7, 2003; and

WHEREAS, BRANDYWINE ENERGY AND DEVELOPMENT COMPANY, INC., a corporation organized and existing under and by virtue of the laws of the Commonwealth of Pennsylvania, and engaged in business at P.O. Box 756, Frazier, PA, 19355, United States, hereinafter referred to as ASSIGNEE, is desirous of acquiring the said invention and any and all applications for Letters Patent and any and all Letters Patent of the United States and foreign countries that may be issued therefor;

NOW, THEREFORE, the parties hereto, intending to be legally bound, agree that, in consideration of good and valuable consideration paid to ASSIGNOR by ASSIGNEE, the receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and set over and hereby does sell, assign and set over, unto ASSIGNEE, its successors and assigns, his or her entire right, title and interest for, to and within the United States and all foreign countries, in and to the aforesaid invention, including the right to claim priority to the above-referenced application in any foreign application and in and to any and all Letters Patent which may be issued therefor in the United States and in any and all foreign countries.

And ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States to ASSIGNEE, its successors and assigns, as the owner of all right, title and interest therein.


And for said consideration, it is hereby covenanted and agreed that at the request and expense of ASSIGNEE, its successors and assigns, ASSIGNOR will execute any further papers and do such other acts and things as may be necessary and proper to permit ASSIGNEE, its successors and assigns, to procure Letters Patent for said invention in the United States and in such foreign countries as ASSIGNEE, its successors and assigns may elect, and vest the full title thereto in ASSIGNEE, its successors and assigns.

IN WITNESS WHEREOF, this Assignment has been executed on the day and month indicated below.

Date

Signature

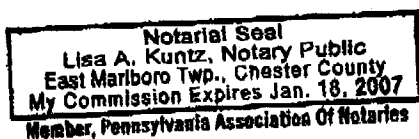
12-22-04

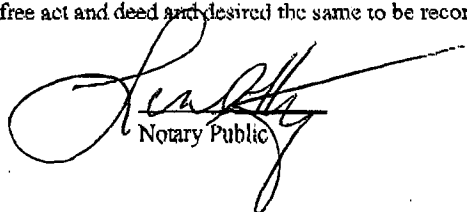

PAUL M. YANIGA

COMMONWEALTH OF PENNSYLVANIA

COUNTY OF Chester

December 2004, Before me, the undersigned, a notary public, in and for the county aforesaid, on this 22 of personally appeared Paul M. Yaniga to me known to be the person described in and who executed the foregoing instrument and who acknowledged that they executed the same as their free act and deed and desired the same to be recorded as such.




Notary Public