

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

## CONVEYING PARTY DATA

Name	Execution Date
TIMOTHY D. DURANCE	09/11/2008
JUN FU	09/11/2008
PARASTOO YAGHMAEE	09/11/2008
ROBERT L. PIKE	09/09/2008
VU TRUONG	12/16/2008
BINH PHAM	12/16/2008

## RECEIVING PARTY DATA

Name:	EnWave Corporation
Street Address:	2000 - 1066 West Hastings Street
City:	Vancouver, BRITISH COLUMBIA
State/Country:	CANADA
Postal Code:	V6E 3X2

## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12677974

## CORRESPONDENCE DATA

Fax Number: (515)288-1338

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

Phone: 5152883667

Email: patatty@ipmvs.com

Correspondent Name: MCKEE, VOORHEES &amp; SEASE, P.L.C.

Address Line 1: 801 GRAND AVENUE

Address Line 2: SUITE 3200

Address Line 4: DES MOINES, IOWA 50309-2721

ATTORNEY DOCKET NUMBER:

P09581YS01; O188-12

501117872

PATENT  
REEL: 024073 FRAME: 0841

CH \$40.00 12677974

NAME OF SUBMITTER:

JOHN D. GOODHUE

**Total Attachments: 12**

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## ASSIGNMENT

WHEREAS I, Timothy D. DURANCE ("Assignor"), of 3491 West 38th Ave., Vancouver, British Columbia, Canada, V6N 2X8, am a co-inventor of certain inventions or improvements described and claimed in the Patent Cooperation Treaty international patent application executed concurrently herewith and entitled:

### APPARATUS AND METHOD FOR DEHYDRATING BIOLOGICAL MATERIALS

AND WHEREAS, EnWave Corporation, a Canadian company (the "Assignee"), of 2000 - 1066 West Hastings Street, Vancouver, British Columbia, Canada, V6E 3X2, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements, and in and to the said application, and in, to and under all Letters Patent which may be granted on or as a result thereof in all countries;

NOW THEREFORE, in consideration of ONE (\$1.00) DOLLAR and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the Assignor, hereby assign to the Assignee all my right, title and interest in and to the said inventions or improvements and said application, and all continuations, divisions, renewals of or substitutes for said application, and in, to and under all Letters Patent which may be granted on or as a result thereof, and any reissue or reissues of said Letters Patent; and I assign to and authorize the Assignee to file in my name applications for Letters Patent for said inventions or improvements in all countries, the same to be held and enjoyed by the Assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended;

AND I hereby covenant that I have full right to convey my entire interest herein assigned, and that I have not executed and will not execute any agreement in conflict herewith, and I further covenant and agree that I will, each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent, in the Assignee, its successors, assigns, nominees or legal representatives, and I agree to communicate to the Assignee, or its nominees, all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid the Assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit, proper patent protection for said inventions or improvements in all countries, all at the expense, however, of the Assignee or its successors, assigns, nominees or legal representatives;

AND I hereby authorize and request the officials of all countries whose duty it is to issue patents on applications as aforesaid, to issue to the Assignee, as assignee of the entire right, title and interest, all Letters Patent for said inventions or improvements, which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this Assignment.

EXECUTED at Vancouver, BC  
this 11 day of September, 2008.

  
Timothy D. DURANCE

STATEMENT OF WITNESS

I, Parastoo Yaghmaee [insert witness name]  
declare that I was personally present and did see Timothy D. DURANCE duly sign and execute the above Assignment.

  
Witness

## ASSIGNMENT

WHEREAS I, Jun FU ("Assignor"), of 48-2450 Hawthorne Avenue, Port Coquitlam, British Columbia, Canada, V6C 6B3, am a co-inventor of certain inventions or improvements described and claimed in the Patent Cooperation Treaty international patent application executed concurrently herewith and entitled:

## APPARATUS AND METHOD FOR DEHYDRATING BIOLOGICAL MATERIALS

AND WHEREAS, EnWave Corporation, a Canadian company (the "Assignee"), of 2000 - 1066 West Hastings Street, Vancouver, British Columbia, Canada, V6E 3X2, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements, and in and to the said application, and in, to and under all Letters Patent which may be granted on or as a result thereof in all countries;

NOW THEREFORE, in consideration of ONE (\$1.00) DOLLAR and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the Assignor, hereby assign to the Assignee all my right, title and interest in and to the said inventions or improvements and said application, and all continuations, divisions, renewals of or substitutes for said application, and in, to and under all Letters Patent which may be granted on or as a result thereof, and any reissue or reissues of said Letters Patent; and I assign to and authorize the Assignee to file in my name applications for Letters Patent for said inventions or improvements in all countries, the same to be held and enjoyed by the Assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended;

AND I hereby covenant that I have full right to convey my entire interest herein assigned, and that I have not executed and will not execute any agreement in conflict herewith, and I further covenant and agree that I will, each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent, in the Assignee, its successors, assigns, nominees or legal representatives, and I agree to communicate to the Assignee, or its nominees, all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid the Assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit, proper patent protection for said inventions or improvements in all countries, all at the expense, however, of the Assignee or its successors, assigns, nominees or legal representatives;

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EXECUTED at Vancouver, BC  
this 11 day of September, 2008.

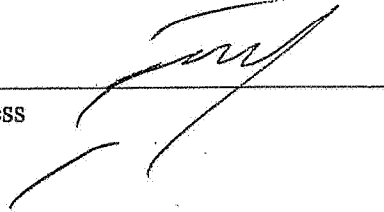


Jun FU

STATEMENT OF WITNESS

I, Parastoo Yaghmaee [insert witness name]  
declare that I was personally present and did see Jun FU duly sign and execute the above Assignment.

Witness



## ASSIGNMENT

WHEREAS I, Parastoo YAGHMAEE ("Assignor"), of #308-5880 Hampton Place, Vancouver, British Columbia, Canada, V6T 2E9, am a co-inventor of certain inventions or improvements described and claimed in the Patent Cooperation Treaty international patent application executed concurrently herewith and entitled:

## APPARATUS AND METHOD FOR DEHYDRATING BIOLOGICAL MATERIALS


AND WHEREAS, EnWave Corporation, a Canadian company (the "Assignee"), of 2000 - 1066 West Hastings Street, Vancouver, British Columbia, Canada, V6E 3X2, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements, and in and to the said application, and in, to and under all Letters Patent which may be granted on or as a result thereof in all countries;

NOW THEREFORE, in consideration of ONE (\$1.00) DOLLAR and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the Assignor, hereby assign to the Assignee all my right, title and interest in and to the said inventions or improvements and said application, and all continuations, divisions, renewals of or substitutes for said application, and in, to and under all Letters Patent which may be granted on or as a result thereof, and any reissue or reissues of said Letters Patent; and I assign to and authorize the Assignee to file in my name applications for Letters Patent for said inventions or improvements in all countries, the same to be held and enjoyed by the Assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended;

AND I hereby covenant that I have full right to convey my entire interest herein assigned, and that I have not executed and will not execute any agreement in conflict herewith, and I further covenant and agree that I will, each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent, in the Assignee, its successors, assigns, nominees or legal representatives, and I agree to communicate to the Assignee, or its nominees, all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid the Assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit, proper patent protection for said inventions or improvements in all countries, all at the expense, however, of the Assignee or its successors, assigns, nominees or legal representatives;

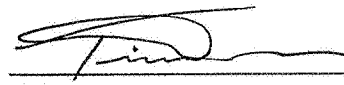
AND I hereby authorize and request the officials of all countries whose duty it is to issue patents on applications as aforesaid, to issue to the Assignee, as assignee of the entire right, title and interest, all Letters Patent for said inventions or improvements, which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this Assignment.

EXECUTED at Vancouver, Bc  
this 11 day of September, 2008.

  
\_\_\_\_\_  
Parastoo YAGHMAEE

STATEMENT OF WITNESS

I, TIMOTHY DURANCE [insert witness name]  
declare that I was personally present and did see Parastoo YAGHMAEE duly sign and execute the above Assignment.

  
\_\_\_\_\_  
Witness



## ASSIGNMENT

WHEREAS I, Robert L. PIKE ("Assignor"), of 3284 W. 24th Ave., Vancouver, British Columbia, Canada, V6L 1R9, am a co-inventor of certain inventions or improvements described and claimed in the Patent Cooperation Treaty international patent application executed concurrently herewith and entitled:

## APPARATUS AND METHOD FOR DEHYDRATING BIOLOGICAL MATERIALS

AND WHEREAS, EnWave Corporation, a Canadian company (the "Assignee"), of 2000 - 1066 West Hastings Street, Vancouver, British Columbia, Canada, V6E 3X2, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements, and in and to the said application, and in, to and under all Letters Patent which may be granted on or as a result thereof in all countries;

NOW THEREFORE, in consideration of ONE (\$1.00) DOLLAR and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the Assignor, hereby assign to the Assignee all my right, title and interest in and to the said inventions or improvements and said application, and all continuations, divisions, renewals of or substitutes for said application, and in, to and under all Letters Patent which may be granted on or as a result thereof, and any reissue or reissues of said Letters Patent; and I assign to and authorize the Assignee to file in my name applications for Letters Patent for said inventions or improvements in all countries, the same to be held and enjoyed by the Assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended;

AND I hereby covenant that I have full right to convey my entire interest herein assigned, and that I have not executed and will not execute any agreement in conflict herewith, and I further covenant and agree that I will, each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent, in the Assignee, its successors, assigns, nominees or legal representatives, and I agree to communicate to the Assignee, or its nominees, all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid the Assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit, proper patent protection for said inventions or improvements in all countries, all at the expense, however, of the Assignee or its successors, assigns, nominees or legal representatives;

AND I hereby authorize and request the officials of all countries whose duty it is to issue patents on applications as aforesaid, to issue to the Assignee, as assignee of the entire right, title and interest, all Letters Patent for said inventions or improvements, which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this Assignment.

EXECUTED at

this 9 day of September, 2008.

Shimon France

Robert L. Pike  
Robert L. PIKE

STATEMENT OF WITNESS

I, Nola F. Pike [insert witness name]

declare that I was personally present and did see Robert L. PIKE duly sign and execute the above Assignment.

Nola F. Pike  
Witness

## ASSIGNMENT

WHEREAS I, Vu TRUONG ("Assignor"), of c/o Aridis Pharmaceuticals, LLC, 5941 Optical Court, San Jose, California 95138, USA, am a co-inventor of certain inventions or improvements described and claimed in the Patent Cooperation Treaty international patent application executed concurrently herewith and entitled:

## APPARATUS AND METHOD FOR DEHYDRATING BIOLOGICAL MATERIALS

AND WHEREAS, EnWave Corporation, a Canadian company (the "Assignee"), of 2000 - 1066 West Hastings Street, Vancouver, British Columbia, Canada, V6E 3X2, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements, and in and to the said application, and in, to and under all Letters Patent which may be granted on or as a result thereof in all countries;

NOW THEREFORE, in consideration of ONE (\$1.00) DOLLAR and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the Assignor, hereby assign to the Assignee all my right, title and interest in and to the said inventions or improvements and said application, and all continuations, divisions, renewals of or substitutes for said application, and in, to and under all Letters Patent which may be granted on or as a result thereof, and any reissue or reissues of said Letters Patent; and I assign to and authorize the Assignee to file in my name applications for Letters Patent for said inventions or improvements in all countries, the same to be held and enjoyed by the Assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended;

AND I hereby covenant that I have full right to convey my entire interest herein assigned, and that I have not executed and will not execute any agreement in conflict herewith, and I further covenant and agree that I will, each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent, in the Assignee, its successors, assigns, nominees or legal representatives, and I agree to communicate to the Assignee, or its nominees, all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid the Assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit, proper patent protection for said inventions or improvements in all countries, all at the expense, however, of the Assignee or its successors, assigns, nominees or legal representatives;

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EXECUTED at San Jose, CA USA  
this 16 day of ~~September~~, 2008.  
December

Vu TRUONG

STATEMENT OF WITNESS

I, ERIC PATZER [insert witness name]  
declare that I was personally present and did see Vu TRUONG duly sign and execute the above Assignment.

Eric Patzer  
Witness

**ASSIGNMENT**

WHEREAS I, Binh PHAM ("Assignor"), of c/o Aridis Pharmaceuticals, LLC, 5941 Optical Court, San Jose, California 95138, USA, am a co-inventor of certain inventions or improvements described and claimed in the Patent Cooperation Treaty international patent application executed concurrently herewith and entitled:

**APPARATUS AND METHOD FOR DEHYDRATING BIOLOGICAL MATERIALS**

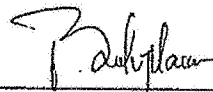
AND WHEREAS, EnWave Corporation, a Canadian company (the "Assignee"), of 2000 - 1066 West Hastings Street, Vancouver, British Columbia, Canada, V6E 3X2, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements, and in and to the said application, and in, to and under all Letters Patent which may be granted on or as a result thereof in all countries;

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EXECUTED at SAN JOSE, CA USA  
this 16 day of September, 2008.  
DECEMBER

  
Binh PHAM

#### STATEMENT OF WITNESS

I, VU TRUONG [insert witness name]  
declare that I was personally present and did see Binh PHAM duly sign and execute the above Assignment.

  
Witness