

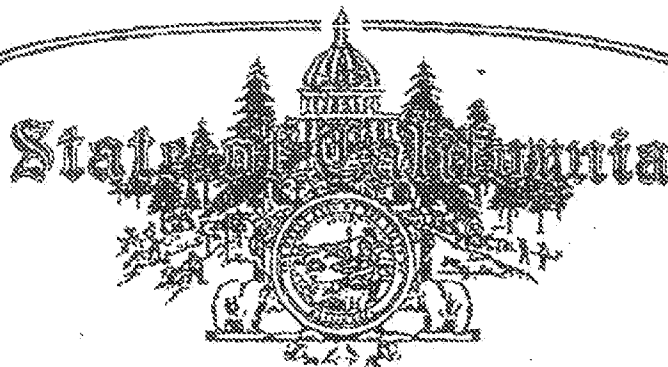
PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3230948

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	CHANGE OF NAME	
CONVEYING PARTY DATA		
	Name	Execution Date
	DEL MAR MEDICAL TECHNOLOGIES, INC.	06/02/1999
RECEIVING PARTY DATA		
Name:	NEUROTHERMIA, INC.	
Street Address:	6199 CORNERSTONE COURT EAST	
Internal Address:	SUITE 106	
City:	SAN DIEGO	
State/Country:	CALIFORNIA	
Postal Code:	92121	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Patent Number:	6478812
CORRESPONDENCE DATA		
Fax Number:		
<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:	6193388075	
Email:	NOELLE@ROGITZ.COM	
Correspondent Name:	ROGITZ & ASSOCIATES	
Address Line 1:	750 B STREET	
Address Line 2:	SUITE 3120	
Address Line 4:	SAN DIEGO, CALIFORNIA 92101	
NAME OF SUBMITTER:	JOHN L. ROGITZ	
SIGNATURE:	/John L. Rogitz/	
DATE SIGNED:	02/18/2015	
Total Attachments: 19		
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SECRETARY OF STATE

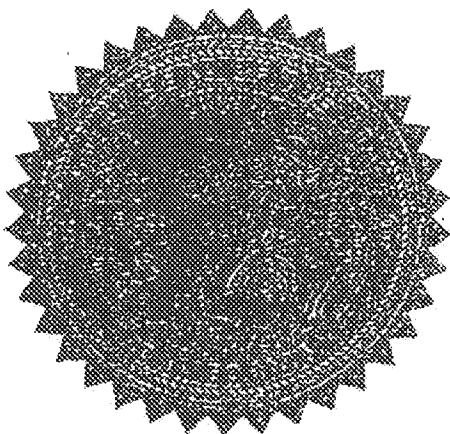
I, *BILL JONES*, Secretary of State of the State of California, hereby certify:

That the attached transcript of 15 page(s) has been compared with the record on file in this office, of which it purports to be a copy, and that it is full, true and correct.

IN WITNESS WHEREOF, I execute this certificate and affix the Great Seal of the State of California this day of

JUN - 7 1999

Secretary of State



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REEL: 035036 FRAME: 0607

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AMENDED AND RESTATED ARTICLES OF INCORPORATION
OF DEL MAR MEDICAL TECHNOLOGIES, INC.,
A CALIFORNIA CORPORATION

ENDORSED - F.
In the Office of the Secretary
of the State of California

JUL - 3 1993

The undersigned John Dobak and Michael Kagnoff hereby certify that:

BILL JONES, Secretary

ONE: They are the duly elected and acting President and Secretary, respectively, of Del Mar Medical Technologies, Inc. (the "Corporation").

TWO: The Articles of Incorporation of the Corporation shall be amended and restated to read in full as follows:

Article 1.

The name of this Corporation is Neurothermia, Inc.

Article 2.

The purpose of the Corporation is to engage in any lawful act or activity for which a corporation may be organized under the General Corporation Law of California other than the banking business, the trust company business or the practice of a profession permitted to be incorporated by the California Corporations Code.

Article 3.

A. Classes of Stock. The Corporation is authorized to issue two classes of stock to be designated, respectively, "Common Stock" and "Preferred Stock." The total number of shares which the Corporation is authorized to issue is Fourteen Million Six Hundred Thousand (14,600,000) shares. Nine Million Three Hundred Thousand (9,300,000) shares shall be Common Stock and Five Million Three Hundred Thousand (5,300,000) shares shall be Preferred Stock.

B. Rights, Preferences and Restrictions of Preferred Stock. The Preferred Stock authorized by these Amended and Restated Articles of Incorporation may be issued from time to time in one or more series. The rights, preferences, privileges, and restrictions granted to and imposed on the Series A Preferred Stock, which series shall consist of Two Million Three Hundred Thousand (2,300,000) shares, and the Series B Preferred Stock, which series shall consist of Three Million (3,000,000) shares, are as set forth below in this Article III(B).

1. Dividend Provisions. Subject to the rights of series of Preferred Stock which may from time to time come into existence, the holders of shares of Series A Preferred Stock and Series B Preferred Stock shall be entitled to receive dividends, out of any assets legally available therefor, prior and in preference to any declaration or payment of any dividend (payable other than in Common Stock or other securities and rights convertible into or entitling the holder thereof to receive, directly or indirectly, additional shares of Common Stock of the Corporation) on the Common Stock, at the rate of \$0.12 per share of Series A Preferred Stock and \$0.27 per share of Series B Preferred Stock (subject to appropriate adjustments for stock

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splits, dividends, combinations or other recapitalizations) per annum, payable out of funds legally available therefor. Such dividends shall be payable only when, as and if declared by the Corporation's Board of Directors (the "Board") and shall not be cumulative.

2. Liquidation Preference.

(a) In the event of any liquidation, dissolution or winding up of the Corporation, either voluntary or involuntary, subject to the rights of series of Preferred Stock that may from time to time come into existence, the holders of Series A Preferred Stock and Series B Preferred Stock shall be entitled to receive, prior and in preference to any distribution of any of the assets of the Corporation to the holders of Common Stock by reason of their ownership thereof, an amount per share equal to the sum of (i) \$1.50 for each outstanding share of Series A Preferred Stock (the "Original Series A Issue Price"), (ii) \$3.35 for each outstanding share of Series B Preferred Stock (the "Original Series B Issue Price") and (iii) an amount equal to declared but unpaid dividends on each such share. If upon the occurrence of such event, the assets and funds thus distributed among the holders of the Series A Preferred Stock and Series B Preferred Stock shall be insufficient to permit the payment to such holders of the full aforesaid preferential amounts, then, subject to the rights of series of Preferred Stock that may from time to time come into existence, the entire assets and funds of the Corporation legally available for distribution shall be distributed ratably among the holders of the Series A Preferred Stock and Series B Preferred Stock in proportion to the aggregate preferential amount such holder would otherwise be entitled to receive.

(b) Upon the completion of the distribution required by subparagraph (a) of this Section 2 and any other distribution that may be required with respect to series of Preferred Stock that may from time to time come into existence, the remaining assets of the Corporation available for distribution to shareholders shall be distributed among the holders of Series A Preferred Stock, Series B Preferred Stock and Common Stock pro rata based on the number of shares of Common Stock held by each (assuming conversion of all such Series A Preferred Stock and Series B Preferred Stock) until (i) with respect to the holders of Series A Preferred Stock, such holders shall have received an aggregate of \$6.00 per share (including amounts paid pursuant to subsection (a) of this Section 2) and (ii) with respect to the holders of Series B Preferred Stock, such holders shall have received an aggregate of \$13.40 per share (including amounts paid pursuant to subsection (a) of this Section 2); thereafter, subject to the rights of series of Preferred Stock that may from time to time come into existence, if assets remain in the Corporation, the holders of the Common Stock of the Corporation shall receive all of the remaining assets of the Corporation pro rata based on the number of shares of Common Stock held by each.

(c) For purposes of this Section 2, a liquidation, dissolution or winding up of the Corporation shall be deemed to be occasioned by, or to include, (A) the acquisition of the Corporation by another entity by means of any transaction or series of related transactions (including, without limitation, any reorganization, merger or consolidation, but excluding any merger effected exclusively for the purpose of changing the domicile of the Corporation); or (B) a sale of all or substantially all of the assets of the Corporation; unless the Corporation's shareholders of record as constituted immediately prior to such acquisition or sale will, immediately after such acquisition or

sale or otherwise) hold at least 50% of the voting power of the surviving or acquiring entity.

(i) In any of such events, if the consideration received by the Corporation is other than cash, its value will be deemed its fair market value. Any securities shall be valued as follows:

(A) Securities not subject to investment letter or other similar restrictions on free marketability:

(1) If traded on a securities exchange or through The Nasdaq National Market System, the value shall be deemed to be the average of the closing prices of the securities on such exchange over the thirty (30)-day period ending three (3) days prior to the closing;

(2) If actively traded over-the-counter, the value shall be deemed to be the average of the closing bid or sale prices (whichever is applicable) over the thirty (30)-day period ending three (3) days prior to the closing; and

(3) If there is no active public market, the value shall be the fair market value thereof, as determined in good faith by the Board.

(B) The method of valuation of securities subject to investment letter or other restrictions on free marketability (other than restrictions arising solely by virtue of a shareholder's status as an affiliate or former affiliate) shall be to make an appropriate discount from the market value determined as above in (A) (1), (2) or (3) to reflect the approximate fair market value thereof, as determined in good faith by the Board.

(ii) In the event the requirements of this subsection 2(c) are not complied with, the Corporation shall forthwith either:

(A) cause such closing to be postponed until such time as the requirements of this Section 2 have been complied with; or

(B) cancel such transaction, in which event the rights, preferences and privileges of the holders of the Series A Preferred Stock and Series B Preferred Stock shall revert to and be the same as such rights, preferences and privileges existing immediately prior to the date of the first notice referred to in subsection 2(c)(iii) hereof.

(iii) The Corporation shall give each holder of record of Series A Preferred Stock and Series B Preferred Stock written notice of such impending transaction not later than twenty (20) days prior to the shareholders' meeting called to approve such transaction, or twenty (20) days prior to the closing of such transaction, whichever is earlier, and shall also notify such holders in writing of the final approval of such transaction. The first of such notices shall

describe the material terms and conditions of the impending transaction and the provisions of this Section 2, and the Corporation shall thereafter give such holders prompt notice of any material changes. The transaction shall in no event take place sooner than twenty (20) days after the Corporation has given the first notice provided for herein or sooner than ten (10) days after the Corporation has given notice of any material changes provided for herein; provided, however, that such periods may be shortened upon the written consent of the holders of Preferred Stock that are entitled to such notice rights or similar notice rights and that represent at least a majority of the voting power of all then outstanding shares of such Preferred Stock.

3. Redemption. The Series A Preferred Stock and Series B Preferred Stock are not redeemable.

4. Conversion. The holders of the Series A Preferred Stock and Series B Preferred Stock shall have conversion rights as follows (the "Conversion Rights"):

(a) Right to Convert. Each share of Series A Preferred Stock and Series B Preferred Stock shall be convertible, at the option of the holder thereof, at any time after the date of issuance of such share at the office of the Corporation or any transfer agent for such stock, into such number of fully paid and nonassessable shares of Common Stock as is determined by dividing the Original Series A Issue Price or the Original Series B Issue Price, as the case may be, by the Conversion Price applicable to such share, determined as hereafter provided, in effect on the date the certificate is surrendered for conversion. The initial Conversion Price per share for shares of Series A Preferred Stock shall be the Original Series A Issue Price and the initial Conversion Price per share for shares of Series B Preferred Stock shall be the Original Series B Issue Price; provided, however, that the Conversion Price for the Series A Preferred Stock and Series B Preferred Stock shall be subject to adjustment as set forth in subsection 4(d) below.

(b) Automatic Conversion. Each share of Series A Preferred Stock and Series B Preferred Stock shall automatically be converted into shares of Common Stock at the Conversion Price at the time in effect for such Series A Preferred Stock or Series B Preferred Stock, as the case may be, immediately upon the earlier of (i) except as provided below in subsection 4(c), the Corporation's sale of its Common Stock in a firm commitment underwritten public offering pursuant to a registration statement under the Securities Act of 1933, as amended, the public offering price of which was not less than \$7.50 per share (subject to appropriate adjustments for stock splits, dividends, combinations or other recapitalizations) and \$10,000,000 in the aggregate or (ii) the date specified by written consent or agreement of the holders of a majority of the then outstanding shares of Series A Preferred Stock and Series B Preferred Stock.

(c) Mechanics of Conversion. Before any holder of Preferred Stock shall be entitled to convert the same into shares of Common Stock, such holder shall surrender the certificate or certificates therefor, duly endorsed, at the office of the Corporation or of any transfer agent for the Preferred Stock, and shall give written notice by mail, postage prepaid to the Corporation at its principal corporate office, of the election to convert the same and shall state therein the name or names in which the

certificate or certificates for shares of Common Stock are to be issued. The Corporation shall, as soon as practicable thereafter, issue and deliver at such office to such holder of Preferred Stock, or to the nominee or nominees of such holder, a certificate or certificates for the number of shares of Common Stock to which such holder shall be entitled as aforesaid. Such conversion shall be deemed to have been made immediately prior to the close of business on the date of such surrender of the shares of Preferred Stock to be converted, and the person or persons entitled to receive the shares of Common Stock issuable upon such conversion shall be treated for all purposes as the record holder or holders of such shares of Common Stock as of such date. If the conversion is in connection with an underwritten offering of securities registered pursuant to the Securities Act of 1933, as amended, the conversion may, at the option of any holder tendering Preferred Stock for conversion, be conditioned upon the closing with the underwriters of the sale of securities pursuant to such offering, in which event the person(s) entitled to receive the Common Stock issuable upon such conversion of the Preferred Stock shall not be deemed to have converted such Preferred Stock until immediately prior to the closing of such sale of securities.

(d) Conversion Price Adjustments of Preferred Stock. The Conversion Price of the Series A Preferred Stock and Series B Preferred Stock shall be subject to adjustment from time to time as follows:

(i) (A) If the Corporation shall issue, after the date upon which any shares of Series A Preferred Stock or Series B Preferred Stock were first issued (the "Purchase Date" with respect to such series), any Additional Stock (as defined below) without consideration or for a consideration per share less than the Conversion Price for such series in effect immediately prior to the issuance of such Additional Stock, the Conversion Price for such series in effect immediately prior to each such issuance shall forthwith (except as otherwise provided in this clause (i)) be adjusted to a price determined by multiplying such Conversion Price by a fraction, the numerator of which shall be the number of shares of Common Stock outstanding immediately prior to such issuance (including, without limitation, the number of shares of Common Stock issuable upon the conversion of all of the outstanding shares of Preferred Stock and other convertible securities and assuming the exercise of all outstanding options, warrants or other rights to purchase Common Stock or other securities convertible into Common Stock) plus the number of shares of Common Stock that the aggregate consideration received by the Corporation for such issuance would purchase at such Conversion Price; and the denominator of which shall be the number of shares of Common Stock outstanding immediately prior to such issuance (including, without limitation, the number of shares of Common Stock issuable upon the conversion of all of the outstanding shares of Preferred Stock and other convertible securities and assuming the exercise of all outstanding options, warrants or other rights to purchase Common Stock or other securities convertible into Common Stock) plus the number of shares of such Additional Stock.

(B) No adjustment of the Conversion Price for the Series A Preferred Stock or Series B Preferred Stock shall be made in an amount less than one cent (\$0.01) per share, provided that any adjustments which are not required to be made by reason of this sentence shall be carried forward and shall be either taken into account in any subsequent adjustment made prior to three (3) years from the date of the event giving rise to the adjustment being carried forward, or shall be made at the end of three (3) years from the date of the event giving rise to the adjustment being carried forward. Except to the limited extent provided for in subsections (E)(3) and (E)(4), no adjustment of such Conversion Price pursuant to this subsection 4(d)(i) shall have the effect of increasing the Conversion Price above the Conversion Price in effect immediately prior to such adjustment.

(C) In the case of the issuance of Additional Stock for cash, the consideration shall be deemed to be the amount of cash paid therefor before deducting any reasonable discounts, commissions or other expenses allowed, paid or incurred by the Corporation for any underwriting or otherwise in connection with the issuance and sale thereof.

(D) In the case of the issuance of Additional Stock for a consideration in whole or in part other than cash, the consideration other than cash shall be deemed to be the fair value thereof as determined in good faith by the Board irrespective of any accounting treatment.

(E) In the case of the issuance (whether before, on or after the applicable Purchase Date) of options to purchase or rights to subscribe for Common Stock, securities by their terms convertible into or exchangeable for Common Stock or options to purchase or rights to subscribe for such convertible or exchangeable securities, the following provisions shall apply for all purposes of this subsection 4(d)(i) and subsection 4(d)(ii):

(1) The aggregate maximum number of shares of Common Stock deliverable upon exercise (assuming the satisfaction of any conditions to exercisability, including without limitation, the passage of time, but without taking into account potential antidilution adjustments) of such options to purchase or rights to subscribe for Common Stock shall be deemed to have been issued at the time such options or rights were issued and for a consideration equal to the consideration (determined in the manner provided in subsections 4(d)(i)(C) and (d)(i)(D)), if any, received by the Corporation upon the issuance of such options or rights plus the minimum exercise price provided in such options or rights (without taking into account potential antidilution adjustments) for the Common Stock covered thereby.

(2) The aggregate maximum number of shares of Common Stock deliverable upon conversion of or in exchange for (assuming the satisfaction of any conditions to convertibility or exchangeability, including, without limitation, the passage of time, but without taking into account potential antidilution adjustments) any such convertible or exchangeable securities or upon

the exercise of options to purchase or rights to subscribe for such convertible or exchangeable securities and subsequent conversion or exchange thereof shall be deemed to have been issued at the time such securities were issued or such options or rights were issued and for a consideration equal to the consideration, if any, received by the Corporation for any such securities and related options or rights (excluding any cash received on account of accrued interest or accrued dividends), plus the minimum additional consideration, if any, to be received by the Corporation (without taking into account potential antidilution adjustments) upon the conversion or exchange of such securities or the exercise of any related options or rights (the consideration in each case to be determined in the manner provided in subsections 4(d)(i)(C) and (d)(i)(D)) hereof.

(3) In the event of any change in the number of shares of Common Stock deliverable or in the consideration payable to the Corporation upon exercise of such options or rights or upon conversion of or in exchange for such convertible or exchangeable securities, including, but not limited to, a change resulting from the antidilution provisions thereof, the Conversion Price of the Series A Preferred Stock and Series B Preferred Stock, to the extent in any way affected by or computed using such options, rights or securities, shall be recomputed to reflect such change, but no further adjustment shall be made for the actual issuance of Common Stock or any payment of such consideration upon the exercise of any such options or rights or the conversion or exchange of such securities.

(4) Upon the expiration of any such options or rights, the termination of any such rights to convert or exchange or the expiration of any options or rights related to such convertible or exchangeable securities, the Conversion Price of the Series A Preferred Stock and Series B Preferred Stock, to the extent in any way affected by or computed using such options, rights or securities or options or rights related to such securities, shall be recomputed to reflect the issuance of only the number of shares of Common Stock (and convertible or exchangeable securities which remain in effect) actually issued upon the exercise of such options or rights, upon the conversion or exchange of such securities or upon the exercise of the options or rights related to such securities.

(5) The number of shares of Common Stock deemed issued and the consideration deemed paid therefor pursuant to subsections 4(d)(i)(E)(1) and (2) hereof shall be appropriately adjusted to reflect any change, termination or expiration of the type described in either subsection 4(d)(i)(E)(3) or (4) hereof.

(ii) "Additional Stock" shall mean any shares of Common Stock issued (or deemed to have been issued pursuant to subsection 4(d)(i)(E)) by the Corporation after the Purchase Date other than:

(A) shares of Common Stock issued pursuant to a transaction described in subsection 4(d)(iii) hereof, or

(B) up to 1,100,000 shares of Common Stock (or options, warrants or other rights to purchase such Common Stock) issued or issuable to employees, consultants, officers or directors of the Corporation pursuant to a stock option plan or restricted stock plan approved by the Board, whether issued or issuable before or after the Purchase Date, net of any such shares of Common Stock repurchased by the Corporation and any such options, warrants or other rights to purchase such Common Stock that expire unexercised, and subject to adjustment for any stock splits, dividends, combinations or recapitalizations with respect to such shares; or

(C) shares of Common Stock (or options, warrants or other rights to purchase such Common Stock) issued or issuable to vendors or other persons or entities with which the Corporation has or is establishing business relationships (if in transactions with primarily non-financing purposes) upon the express approval of the Board, whether issued or issuable before or after the Purchase Date; or

(D) shares of Common Stock issued in connection with a bona fide business acquisition of or by the Corporation, whether by merger, consolidation, sale of assets, or sale or exchange of stock; or

(E) shares of Common Stock issued or issuable upon conversion of the Series A Preferred Stock or Series B Preferred Stock; or

(F) shares of Common Stock issued or issuable upon exercise of any warrants to purchase shares of Common Stock issued to purchasers of Series B Preferred Stock in connection with their purchase of Series B Preferred Stock; or

(G) shares of Common Stock issued or issuable (i) in a public offering before or in connection with which all outstanding shares of Series A Preferred Stock and Series B Preferred Stock will be converted to Common Stock or (ii) upon exercise of warrants or rights granted to underwriters in connection with such a public offering.

(iii) In the event the Corporation should at any time or from time to time after the Purchase Date fix a record date for the effectuation of a split or subdivision of the outstanding shares of Common Stock or the determination of holders of Common Stock entitled to receive a dividend or other distribution payable in additional shares of Common Stock or other securities or rights convertible into, or entitling the holder thereof to receive directly or indirectly, additional shares of Common Stock (hereinafter referred to as "Common Stock Equivalents") without payment of any consideration by such holder for the additional shares of Common Stock or the Common Stock Equivalents (including the additional shares of Common Stock issuable upon conversion or exercise thereof), then, as of such record date (or the date of such dividend distribution, split or subdivision if no record date is fixed), the Conversion Price of the Series A Preferred Stock and Series B Preferred Stock shall be appropriately

decreased so that the number of shares of Common Stock issuable on conversion of each share of such series shall be increased in proportion to such increase of the aggregate of shares of Common Stock outstanding and those issuable with respect to such Common Stock Equivalents with the number of shares issuable with respect to Common Stock Equivalents determined from time to time in the manner provided for deemed issuances in subsection 4(d)(i)(E) above.

(iv) If the number of shares of Common Stock outstanding at any time after the Purchase Date is decreased by a combination of the outstanding shares of Common Stock, then, following the record date of such combination, the Conversion Price for the Series A Preferred Stock and Series B Preferred Stock shall be appropriately increased so that the number of shares of Common Stock issuable on conversion of each share of such series shall be decreased in proportion to such decrease in outstanding shares.

(e) Other Distributions. In the event the Corporation shall declare a distribution payable in securities of other persons, evidences of indebtedness issued by the Corporation or other persons, assets (excluding cash dividends) or options or rights not referred to in subsection 4(d)(ii) above, then, in each such case for the purpose of this subsection 4(e), the holders of the Series A Preferred Stock and Series B Preferred Stock shall be entitled to a proportionate share of any such distribution as though they were the holders of the number of shares of Common Stock of the Corporation into which their shares of Series A Preferred Stock and Series B Preferred Stock are convertible as of the record date fixed for the determination of the holders of Common Stock of the Corporation entitled to receive such distribution.

(f) Recapitalizations. If at any time or from time to time there shall be a recapitalization of the Common Stock (other than a subdivision, combination or merger or sale of assets transaction provided for elsewhere in this Section 4 or Section 2 hereof) provision shall be made so that the holders of the Series A Preferred Stock and Series B Preferred Stock shall thereafter be entitled to receive upon conversion of the Series A Preferred Stock and Series B Preferred Stock the number of shares of stock or other securities or property of the Corporation or otherwise, to which a holder of Common Stock deliverable upon conversion would have been entitled on such recapitalization. In any such case, appropriate adjustment shall be made in the application of the provisions of this Section 4 with respect to the rights of the holders of the Series A Preferred Stock and Series B Preferred Stock after the recapitalization to the end that the provisions of this Section 4 (including adjustment of the Conversion Price then in effect and the number of shares purchasable upon conversion of the Series A Preferred Stock and Series B Preferred Stock) shall be applicable after that event as nearly equivalent as may be practicable.

(g) No Impairment. The Corporation will not, by amendment of its Articles of Incorporation or through any reorganization, recapitalization, transfer of assets, consolidation, merger, dissolution, issue or sale of securities or any other voluntary action, avoid or seek to avoid the observance or performance of any of the terms to be observed or performed hereunder by the Corporation, but will at all times in good faith assist in the carrying out of all the provisions of this Section 4 and in the

taking of all such action as may be necessary or appropriate in order to protect the Conversion Rights of the holders of the Series A Preferred Stock and Series B Preferred Stock against impairment.

(h) No Fractional Shares and Certificate as to Adjustments.

(i) No fractional shares shall be issued upon the conversion of any share or shares of the Series A Preferred Stock and Series B Preferred Stock, and the number of shares of Common Stock to be issued shall be rounded to the nearest whole share. Whether or not fractional shares are issuable upon such conversion shall be determined on the basis of the total number of shares of Series A Preferred Stock and/or Series B Preferred Stock the holder is at the time converting into Common Stock and the number of shares of Common Stock issuable upon such aggregate conversion.

(ii) Upon the occurrence of each adjustment or readjustment of a Conversion Price pursuant to this Section 4, the Corporation, at its expense, shall promptly compute such adjustment or readjustment in accordance with the terms hereof and prepare and furnish to each holder of such Preferred Stock a certificate setting forth such adjustment or readjustment and showing in detail the facts upon which such adjustment or readjustment is based. The Corporation shall, upon the written request at any time of any holder of Preferred Stock, furnish or cause to be furnished to such holder a like certificate setting forth (A) such adjustment and readjustment, (B) the Conversion Price for such series of Preferred Stock at the time in effect, and (C) the number of shares of Common Stock and the amount, if any, of other property which at the time would be received upon the conversion of a share of such Preferred Stock.

(i) Notices of Record Date. In the event of any taking by the Corporation of a record of the holders of any class of securities for the purpose of determining the holders thereof who are entitled to receive any dividend (other than a cash dividend) or other distribution, any right to subscribe for, purchase or otherwise acquire any shares of stock of any class or any other securities or property, or to receive any other right, the Corporation shall mail to each holder of Preferred Stock, at least twenty (20) days prior to the date specified therein, a notice specifying the date on which any such record is to be taken for the purpose of such dividend, distribution or right, and the amount and character of such dividend, distribution or right.

(j) Reservation of Stock Issuable Upon Conversion. The Corporation shall at all times reserve and keep available out of its authorized but unissued shares of Common Stock, solely for the purpose of effecting the conversion of the shares of the Preferred Stock, such number of its shares of Common Stock as shall from time to time be sufficient to effect the conversion of all outstanding shares of the Preferred Stock; and if at any time the number of authorized but unissued shares of Common Stock shall not be sufficient to effect the conversion of all then outstanding shares of the Preferred Stock, in addition to such other remedies as shall be available to the holder of such Preferred Stock, the Corporation will take such corporate action as may, in the opinion of its

counsel, be necessary to increase its authorized but unissued shares of Common Stock to such number of shares as shall be sufficient for such purposes.

(k) Notices. Any notice required by the provisions of this Section 4 to be given to the holders of shares of Preferred Stock shall be deemed given if deposited in the United States mail, postage prepaid, and addressed to each holder of record at such holder's address appearing on the books of the Corporation.

5. Voting Rights.

(a) General Voting Rights. The holder of each share of Series A Preferred Stock or Series B Preferred Stock shall have the right to one vote for each share of Common Stock into which such Series A Preferred Stock or Series B Preferred Stock could then be converted (with any fractional share determined on an aggregate conversion basis being rounded to the nearest whole share), and with respect to such vote, such holder shall have full voting rights and powers equal to the voting rights and powers of the holders of Common Stock, and shall be entitled, notwithstanding any provision hereof, to notice of any shareholders' meeting in accordance with the Corporation's Bylaws (the "Bylaws"), and shall be entitled to vote, together as a single class with holders of Common Stock, with respect to any question upon which holders of Common Stock have the right to vote, except for the election of directors which shall be as provided in subsection 5(b) below.

(b) Election of Directors. Notwithstanding Section 5(a) above, the holders of the then outstanding shares of Series A Preferred Stock, voting as a separate class, shall be entitled to elect two (2) directors of the Corporation; the holders of the then outstanding shares of Series B Preferred Stock, voting as a separate class, shall be entitled to elect one (1) director of the Corporation; the holders of the then outstanding shares of Common Stock, voting as a separate class, shall be entitled to elect one (1) director of the Corporation; and the holders of the then outstanding shares of Series A Preferred Stock, Series B Preferred Stock and Common Stock, voting together on an as-converted basis, shall be entitled to elect one (1) director of the Corporation. At any meeting held for the purpose of electing directors, the presence in person or by proxy of the holders of a majority of the Series A Preferred Stock then outstanding shall constitute a quorum of the Series A Preferred Stock for the election of directors to be elected solely by the holders of Series A Preferred Stock. At any meeting held for the purpose of electing directors, the presence in person or by proxy of the holders of a majority of the Series B Preferred Stock then outstanding shall constitute a quorum of the Series B Preferred Stock for the election of directors to be elected solely by the holders of Series B Preferred Stock. At any meeting held for the purpose of electing directors, the presence in person or by proxy of the holders of a majority of the Common Stock then outstanding shall constitute a quorum of the Common Stock for the election of directors to be elected solely by the holders of Common Stock. At any meeting held for the purpose of electing directors, the presence in person or by proxy of the holders of a majority of the Series A Preferred Stock (on an as-converted basis), Series B Preferred Stock (on an as-converted basis) and Common Stock then outstanding, shall constitute a quorum of the Series A Preferred Stock, Series B Preferred Stock and Common Stock for the election of the directors to be elected by the holders of the Series A Preferred Stock, Series B Preferred Stock and

Common Stock, voting on an as-converted basis. A vacancy in any directorship elected by the holders of Series A Preferred Stock shall be filled only by vote of the holders of Series A Preferred Stock, a vacancy in any directorship elected by the holders of Series B Preferred Stock shall be filled only by vote of the holders of Series B Preferred Stock, a vacancy in any directorship elected by the holders of Common Stock shall be filled only by vote of the holders of Common Stock and a vacancy in the directorship elected by the holders of the Series A Preferred Stock, Series B Preferred Stock and the Common Stock voting together shall be filled only by the vote of the holders of the Series A Preferred Stock, Series B Preferred Stock and the Common Stock voting together as provided above.

6. Protective Provisions. Subject to the rights of series of Preferred Stock which may from time to time come into existence, so long as any shares of Series A Preferred Stock and Series B Preferred Stock are outstanding, the Corporation shall not without first obtaining the approval (by vote or written consent, as provided by law) of the holders of at least a majority of the then outstanding shares of Series A Preferred Stock and Series B Preferred Stock voting together as a single class:

(a) sell, convey, or otherwise dispose of or encumber all or substantially all of its property or business or merge into or consolidate with any other corporation (other than a wholly-owned subsidiary corporation) or effect any transaction or series of related transactions in which more than fifty percent (50%) of the voting power of the Corporation is disposed of;

(b) alter or change the rights, preferences or privileges of the shares of Series A Preferred Stock or Series B Preferred Stock so as to materially and adversely affect such shares;

(c) increase or decrease (other than by conversion) the number of authorized shares of Series A Preferred Stock or Series B Preferred Stock;

(d) create any new class or series of stock or any other securities convertible into equity securities of the Corporation having a preference over, or being on a parity with, the Series A Preferred Stock or Series B Preferred Stock with respect to voting, dividends or upon liquidation;

(e) redeem any share or shares of Preferred Stock or Common Stock; provided, however, that this restriction shall not apply to the repurchase of shares of Common Stock from employees, officers, directors, consultants or other persons performing services for the Corporation or any subsidiary pursuant to agreements under which the Corporation has the option to repurchase such shares at cost or at cost upon the occurrence of certain events, such as the termination of employment;

(f) amend the Corporation's Articles of Incorporation or Bylaws in a manner that materially and adversely affects the holders of the Series A Preferred Stock or Series B Preferred Stock; or

(g) change the number of directors from five (5).

7. Status of Converted Stock. In the event any shares of Series A Preferred Stock or Series B Preferred Stock shall be converted pursuant to Section 3 hereof, the shares so converted shall be cancelled and shall not be issuable by the Corporation. The Articles of Incorporation of the Corporation shall be appropriately amended to effect the corresponding reduction in the Corporation's authorized capital stock.

8. Repurchase of Shares. In connection with repurchases by the Corporation of its Common Stock pursuant to its agreements with certain of the holders thereof, Sections 502 and 503 of the California Corporations Code shall not apply in whole or in part with respect to such repurchases.

C. Common Stock.

1. Dividend Rights. Subject to the prior rights of holders of all classes of stock at the time outstanding having prior rights as to dividends, the holders of Common Stock shall be entitled to receive, when and as declared by the Board, out of any assets of the Corporation legally available therefor, such dividends as may be declared from time to time by the Board.

2. Liquidation Rights. Upon the liquidation, dissolution or winding up of the Corporation, the assets of the Corporation shall be distributed as provided in Section 2 of Division (B) of this Article II hereof.

3. Redemption. The Common Stock is not redeemable.

4. Voting Rights. The holder of each share of Common Stock shall have the right to one vote, and shall be entitled to notice of any shareholders' meeting in accordance with the Bylaws, and shall be entitled to vote upon such matters and in such manner as may be provided by law.

Article 4.

A. The liability of the directors of the Corporation for monetary damages shall be eliminated to the fullest extent permissible under California law.

B. The Corporation is authorized to provide indemnification of agents (as defined in Section 317 of the California Corporations Code) through bylaw provisions, agreements with the agents, vote of shareholders or disinterested directors, or otherwise in excess of the indemnification otherwise permitted by Section 317 of the California Corporations Code, subject only to applicable limits set forth in Section 204 of the California Corporations Code with respect to actions for breach of duty to the Corporation and its shareholders.

* * *

THREE: The foregoing amendment has been approved by the Board.

FOUR: The foregoing amendment was approved by the holders of the requisite number of shares of the Corporation in accordance with Sections 902 and 903 of the California Corporations Code; the total number of outstanding shares of each class entitled to vote with respect to the foregoing amendment was 1,205,000 shares of Common Stock and 2,139,800 shares of Series A Preferred Stock. The number of shares voting in favor of the foregoing amendment equaled or exceeded the vote required, such required vote being (i) a majority of the outstanding shares of Common Stock voting as a separate class, (ii) a majority of the outstanding shares of Series A Preferred Stock voting as a separate class and (iii) a majority of the outstanding shares of Common Stock and Series A Preferred Stock voting together as a single class.

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PATENT

REEL: 010437 FRAME: 0214

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REEL: 035036 FRAME: 0621

IN WITNESS WHEREOF, the undersigned have executed this certificate on
June 2, 1999.

John Dobak
John Dobak, President

Michael Kagnoff
Michael Kagnoff, Secretary

The undersigned certify under penalty of perjury that they have read the foregoing
Amended and Restated Articles of Incorporation, and know the contents thereof, and that the
statements therein are true.

Executed at San Diego, California, on June 2, 1999.

John Dobak
John Dobak, President

Michael Kagnoff
Michael Kagnoff, Secretary

[SIGNATURE PAGE TO AMENDED AND RESTATED
ARTICLES OF INCORPORATION]



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RECORDED: 12/18/1999 PATENT REEL: 010437 FRAME: 0215