

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	CHANGE OF NAME
CONVEYING PARTY DATA	
Name	Execution Date
Indraweb.com, Inc.	06/27/2011
RECEIVING PARTY DATA	
Name:	SEMMX, Inc.
Street Address:	1209 Orange Street
City:	Wilmington
State/Country:	DELAWARE
Postal Code:	19801
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13706138
CORRESPONDENCE DATA	
Fax Number:	6172359492
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Email:	joanne.ryan@ropesgray.com
Correspondent Name:	ROPES & GRAY LLP
Address Line 1:	800 Boylston Street, Prudential Tower
Address Line 2:	IPRM Docketing Floor 43
Address Line 4:	Boston, MASSACHUSETTS 02199
ATTORNEY DOCKET NUMBER:	INWB-P03-002
NAME OF SUBMITTER:	Joanne Ryan
Total Attachments: 21 source=INWB-P03-002_Change_of_Name#page1.tif source=INWB-P03-002_Change_of_Name#page2.tif source=INWB-P03-002_Change_of_Name#page3.tif source=INWB-P03-002_Change_of_Name#page4.tif source=INWB-P03-002_Change_of_Name#page5.tif	

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# Delaware

PAGE 1

*The First State*


I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE RESTATED CERTIFICATE OF "INDRAWEB.COM, INC.", CHANGING ITS NAME FROM "INDRAWEB.COM, INC." TO "SEMMX, INC.", FILED IN THIS OFFICE ON THE FIRST DAY OF JULY, A.D. 2011, AT 10:41 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.

3041774 8100

110785391



  
AUTHENTICATION: 8880027

DATE: 07-05-11

You may verify this certificate online  
at [corp.delaware.gov/authver.shtml](http://corp.delaware.gov/authver.shtml)

**PATENT**  
**REEL: 029414 FRAME: 0772**

AMENDED AND RESTATED  
CERTIFICATE OF INCORPORATION  
OF  
INDRAWEB.COM, INC.

Indraweb.com, Inc., a corporation organized and existing under the General Corporation Law of the State of Delaware (the "Corporation"), DOES HEREBY CERTIFY:

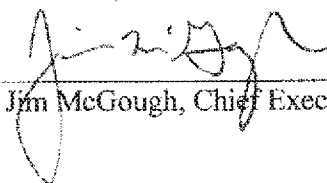
FIRST: The original Certificate of Incorporation of the Corporation was filed with the Secretary of State of the State of Delaware on May 12, 1999 under the name "Indraweb.com, Inc."

SECOND: The Amended and Restated Certificate of Incorporation of the Corporation in the form attached hereto as Exhibit A, which restates and integrates and further amends the provisions of the Corporation's Certificate of Incorporation, has been duly adopted in accordance with the provisions of Sections 228, 242 and 245 of the General Corporation Law of the State of Delaware by the directors and stockholders of the Corporation.

THIRD: The Amended and Restated Certificate of Incorporation so adopted reads in full as set forth in Exhibit A attached hereto and is hereby incorporated herein by this reference.

IN WITNESS WHEREOF, the Corporation has caused this Certificate to be signed by a duly authorized officer of the Corporation this 27th day of June, 2011.

INDRAWEB, INC.

By:   
Jim McGough, Chief Executive Officer

**EXHIBIT A**

**AMENDED AND RESTATED**

**CERTIFICATE OF INCORPORATION**

**OF**

**SEMMX, INC.**

I. The name of the Corporation is Semmx, Inc.

II. The address of the Corporation's registered office in the State of Delaware is 1209 Orange Street in the City of Wilmington, County of New Castle. The name of its registered agent at such address is The Corporation Trust Company

III. The purpose of the Corporation is to engage in any lawful act or activity for which corporations may be organized under the General Corporation Law of the State of Delaware.

IV. The total number of shares of capital stock which the Corporation shall have authority to issue is ten million (10,000,000) shares of common, par value \$0.01 per share, and seven hundred seventy-two thousand one hundred eighty-two (772,182) shares of Series A Convertible Preferred Stock, par value \$0.01 per share.

V. The voting powers, designations, preferences, powers and relative, participating, optional or other special rights, and the qualifications, limitations or restrictions of each class of capital stock of the Corporation, shall be as provided in this Article V.

**A. SERIES A CONVERTIBLE PREFERRED STOCK**

1. Designation. A total of seven hundred seventy-two thousand one hundred eighty-two (772,182) shares of the Corporation's Preferred Stock shall be designated as Series A Convertible Preferred Stock (the "Series A Preferred Stock").

2. Voting.

(a) Election of Directors. The holders of outstanding shares of Series A Preferred Stock shall, voting together as a separate class, be entitled to elect one (1) Director of the Corporation. Except as provided in Section A.2(a)(iv) below, such Director shall be elected by a plurality vote, with the elected candidate being the candidate receiving the greatest number of affirmative votes (with each holder of shares of Series A Preferred Stock entitled to cast one (1) vote for or against each candidate with

respect to each share of Series A Preferred Stock held by such holder) of the outstanding shares of Series A Preferred Stock. The election of such Director shall occur (i) at the annual meeting of holders of capital stock, (ii) at any special meeting of holders of capital stock if such meeting is called for the purpose of electing Directors, (iii) at any special meeting of holders of shares of Series A Preferred Stock called by holders of not less than a majority of the outstanding shares of Series A Preferred Stock or (iv) by the written consent of holders of a majority of the outstanding shares of Series A Preferred Stock entitled to vote for such Director in the manner and on the basis specified above or as otherwise provided by law. If at any time when any share of Series A Preferred Stock is outstanding any such Director should cease to be a Director for any reason, the vacancy shall only be filled by the vote or written consent of the holders of the outstanding shares of Series A Preferred Stock, voting together as a separate class, in the manner and on the basis specified above or as otherwise provided by law. The holders of outstanding shares of Series A Preferred Stock shall also be entitled to vote in the election of all other Directors of the Corporation together with holders of all other shares of the Corporation's outstanding capital stock entitled to vote thereon, voting as a single class, with each outstanding share of Series A Preferred Stock entitled to the number of votes specified in Section A.2(b) hereof. The holders of outstanding shares of Series A Preferred Stock may, in their sole discretion, determine not to elect one or more Directors as provided herein from time to time, and during any such period the Board of Directors shall not be deemed unduly constituted solely as a result of such vacancy.

(b) Voting Generally. Each outstanding share of Series A Preferred Stock shall be entitled to a number of votes equal to the number of shares of common stock (the "Common Stock") into which such share of Series A Preferred Stock is then convertible pursuant to Section A.6 hereof as of the record date for the vote or written consent of stockholders, if applicable. Each holder of outstanding shares of Series A Preferred Stock shall be entitled to notice of any stockholders' meeting in accordance with the by-laws of the Corporation and shall vote with holders of the Common Stock, voting together as single class, upon all matters submitted to a vote of stockholders, excluding those matters required to be submitted to a class or series vote pursuant to the terms hereof (including, without limitation, pursuant to Section A.8) or by law.

3. Dividends. The Corporation may (when, as and if declared by the Board of Directors) declare and distribute dividends among the holders of shares of Series A Preferred Stock and the holders of shares of Common Stock pro rata based on the number of shares of Common Stock held by each, determined on an as-converted basis (assuming full conversion of all such Series A Preferred Stock) as of the record date with respect to the declaration of such dividends.

4. Liquidation; Merger, etc.

(a) Series A Liquidation Preference. Upon any liquidation, dissolution or winding up of the Corporation and its subsidiaries, whether voluntary or involuntary (such event, a "Liquidation Event"):

(i) Each holder of outstanding shares of Series A Preferred Stock shall be entitled to be paid in cash, before any amount shall be paid or distributed to the holders of the Common Stock or any other capital stock ranking on liquidation junior to the Series A Preferred Stock (the Common Stock and such other capital stock being referred to collectively as "Junior Stock"), an amount per share of Series A Preferred Stock (the "Series A Preference Amount") equal to the greater of (1) (A) \$0.82882 (such amount to be adjusted appropriately for stock splits, stock dividends, combinations, recapitalizations and the like) (the "Series A Original Issue Price") plus (B) an amount equal to all accumulated but unpaid dividends on such share of Series A Preferred Stock (the "Series A Unpaid Dividend Amount"), and (2) the amount that would have been payable to such holder had each such share of Series A Preferred Stock been converted to Common Stock immediately prior to such Liquidation Event pursuant to the provisions of Section A.6. If the amounts available for distribution by the Corporation to holders of shares of Series A Preferred Stock upon a Liquidation Event are not sufficient to pay the aggregate Series A Preference Amount due to such holders, such holders of shares of Series A Preferred Stock shall share ratably in any distribution in connection with such Liquidation Event in proportion to the full respective preferential amounts to which they are entitled.

(ii) Remaining Assets. After the prior payment in full of the Series A Preference Amount in connection with a Liquidation Event, the remaining assets and funds of the Corporation available for distribution to its stockholders, if any, shall be distributed among the holders of shares of Junior Stock then outstanding.

(b) Amount Payable in Mergers, etc. Subject to Section A.7(e), the holders of not less than sixty-six and two-thirds percent (66-2/3%) of the voting power of the outstanding shares of Series A Preferred Stock (a "Two-Thirds Series A Interest") may elect to have treated as a Liquidation Event: (i) any merger or consolidation of the Corporation into or with another entity, (ii) any sale, lease or transfer of all or substantially all of the assets of the Corporation, or (iii) any other transaction pursuant to or as a result of which a single person (or group of affiliated persons) acquires or holds capital stock of the Corporation representing a majority of the Corporation's outstanding voting power (a "Change of Control Transaction"). If such election is made, all consideration payable to the stockholders of the Corporation in connection with any such merger, consolidation or Change of Control Transaction, or all consideration payable to the Corporation and distributable to its stockholders, together with all other available assets of the Corporation (net of obligations owed by the Corporation that are senior to the Series A Preferred Stock) in connection with any such asset sale, shall be, as applicable, paid by the purchaser to the holders of, or distributed by the Corporation in redemption (out of funds legally available therefor) of, shares of the Series A Preferred Stock and any Junior Stock in accordance with the preferences and priorities set forth in Section A.4(a), with such preferences and priorities specifically intended to be applicable in any such merger, consolidation, asset sale or Change of Control Transaction as if such transaction were a Liquidation Event. In furtherance of the foregoing, the Corporation shall take such actions as are necessary to give effect to the provisions of this Section A.4, including without limitation, in the case of a merger, consolidation or

Change of Control Transaction, causing the definitive agreement relating to such merger, consolidation or Change of Control Transaction to provide for a rate at which the shares of Series A Preferred Stock are converted into or exchanged for cash, new securities or other property and to give effect to the preferences and priorities set forth in Section A.4(a) above. The Corporation shall promptly provide to the holders of shares of Series A Preferred Stock such information concerning the terms of such merger, consolidation, asset sale, or Change of Control Transaction and the value of the assets of the Corporation as may reasonably be requested by the holders of shares of Series A Preferred Stock. The amount deemed distributed to the holders of shares of Series A Preferred Stock upon any such transaction shall be the cash or the value of the property, rights or securities distributed to such holders by the Corporation or the acquiring person, firm or other entity, as applicable. Any election by a Two-Thirds Series A Interest pursuant to this Section A.4(b) shall be made by written notice to the Corporation and the other holders of shares of Series A Preferred Stock at least five (5) days prior to the closing of the relevant transaction. Upon the election of such Two-Thirds Series A Interest hereunder, all holders of shares of Series A Preferred Stock shall be deemed to have made such election and such election shall bind all holders of the Series A Preferred Stock. Notwithstanding anything to the contrary contained herein, the holders of shares of Series A Preferred Stock or a Two-Thirds Series A Interest, as applicable, shall have the right to elect to give effect to the conversion rights contained in Section A.6(a) or the rights contained in Section A.7(c), if applicable, instead of giving effect to the provisions contained in this Section A.4(b) with respect to the shares of Series A Preferred Stock held by such holders.

(c) Valuation of Securities or Other Non-Cash Consideration

For purposes of valuing any securities or other noncash consideration to be delivered to the holders of the shares of Series A Preferred Stock in connection with any transaction to which Section A.4(b) is applicable, the following shall apply:

(i) If any such securities are traded on a nationally recognized securities exchange or inter-dealer quotation system, the value shall be deemed to be the average of the closing prices of such securities on such exchange or system over the 30-day period ending three (3) business days prior to the closing;

(ii) If any such securities are traded over-the-counter, the value shall be deemed to be the average of the closing bid prices of such securities over the 30-day period ending three (3) business days prior to the closing; and

(iii) If there is no active public market for such securities or other noncash consideration, the value shall be the fair market value thereof, as mutually determined in good faith by the Corporation and the holders of not less than a Two-Thirds Series A Interest, provided that if the Corporation and the holders of a Two-Thirds Series A Interest are unable to reach agreement, then by independent appraisal by a mutually agreed upon investment banker, one half (½) of the fees of which shall be paid by the Corporation and one half (½) of such fees shall be paid by the holders of shares of Series A Preferred Stock as a group.



5. Redemption.

(a) Optional Redemption; Redemption Date. At any time on or after June 30, 2016, the holders of a Two-Thirds Series A Interest may elect to have redeemed by the Corporation one hundred percent (100%) of the outstanding shares of Series A Preferred Stock held by each holder of shares of Series A Preferred Stock at such time. Any such election by a Two-Thirds Series A Interest pursuant to this Section A.5(a) shall be made by written notice to the Corporation and the other holders of shares of Series A Preferred Stock at least ninety (90) days prior to the elected redemption date (the date so elected, the "Series A Redemption Date").

(b) Redemption Price. The price for each share of Series A Preferred Stock redeemed pursuant to this Section A.5 (the "Series A Redemption Price") shall be an amount equal to the Series A Preference Amount as defined in Section A.4(a)(i)(1). The Series A Redemption Price shall be payable in cash in immediately available funds to the holders of shares of Series A Preferred Stock on the Series A Redemption Date.

(c) Insufficient Funds. If the funds of the Corporation legally available to redeem shares of Series A Preferred Stock on the Series A Redemption Date are insufficient to redeem the total number of shares of Series A Preferred Stock required to be redeemed by the Corporation on such date, the Corporation shall (i) take any action necessary or appropriate, to the extent reasonably within its control, to remove promptly any impediments to its ability to redeem the total number of shares of Series A Preferred Stock required to be redeemed on such date, including, without limitation, (A) to the extent permissible under applicable law, reducing the stated capital of the Corporation or causing a revaluation of the assets of the Corporation under Section 154 of the Delaware General Corporation Law to create sufficient surplus to make such redemption, and (B) incurring any indebtedness necessary to make such redemption of shares of Series A Preferred Stock, and (ii) in any event, use any funds that are legally available to redeem the maximum possible number of shares of Series A Preferred Stock from the holders of such shares of Series A Preferred Stock to be redeemed in proportion to the respective number of such shares that otherwise would have been redeemed if all such shares had been redeemed in full. At any time thereafter, when additional funds of the Corporation are legally available to redeem such shares of Series A Preferred Stock, the Corporation shall immediately use such funds to redeem the balance of the shares of Series A Preferred Stock that the Corporation became obligated to redeem on the Series A Redemption Date (but which it has not yet redeemed).

(d) Interest. If any shares of Series A Preferred Stock are not redeemed on the Series A Redemption Date for any reason, all such unredeemed shares shall remain outstanding and entitled to all the rights and preferences provided herein, and the Corporation shall pay interest on the Series A Redemption Price applicable to such unredeemed shares at an aggregate per annum rate equal to six percent (6%), with such interest to accrue daily in arrears and to be compounded quarterly; provided, however, that in no event shall such interest exceed the maximum permitted rate of interest under applicable law (the "Maximum Permitted Rate"). In the event that fulfillment of any provision hereof results in such rate of interest being in excess of the

Maximum Permitted Rate, the amount of interest required to be paid hereunder shall automatically be reduced to eliminate such excess; provided, further, that any subsequent increase in the Maximum Permitted Rate shall be retroactively effective to the applicable Series A Redemption Date to the extent permitted by law.

(e) Right to Elect a Majority of the Board of Directors. If any shares of Series A Preferred Stock are not redeemed on the Series A Redemption Date for any reason, the number of Directors constituting the Board of Directors of the Corporation shall automatically be increased by a number equal to the number of Directors then constituting the Board of Directors plus one (1), and the holders of outstanding shares of Series A Preferred Stock shall be entitled, voting as a single class (to the exclusion of the holders of all other securities and classes of capital stock of the Corporation), to elect such additional Directors. The period beginning on the Series A Redemption Date and ending on the date upon which all shares of Preferred Stock required to be redeemed are so redeemed is referred to herein as the "Voting Period."

(i) As soon as practicable after the commencement of the Voting Period, the Corporation shall call a special meeting of the holders of outstanding shares of Series A Preferred Stock to be held not more than ten (10) days after the date of mailing of notice of such meeting. If the Corporation fails to send a notice, any such holder may call the meeting on like notice. The record date for determining the holders of shares of Series A Preferred Stock entitled to notice of and to vote at such special meeting shall be the close of business on the fifth (5th) business day preceding the day on which such notice is mailed. At any such special meeting and at each meeting of holders of shares of Series A Preferred Stock held during a Voting Period at which Directors are to be elected (or with respect to any action by written consent in lieu of a meeting of stockholders), such holders, voting together as a single class to the exclusion of the holders of all other securities and classes of capital stock of the Corporation, shall be entitled to elect the number of Directors prescribed in this Section A.5(e), and each share of Series A Preferred Stock shall be entitled to one (1) vote (whether voted in person by the holder thereof or by proxy or pursuant to a stockholder's consent).

(ii) The terms of office of all persons who are incumbent Directors of the Corporation at the time of a special meeting of the holders of Series A Preferred Stock to elect such additional Directors shall continue, notwithstanding the election at such meeting of the additional Directors that such holders are entitled to elect, and the additional Directors so elected by such holders, together with such incumbent Directors, shall constitute the duly elected Directors of the Corporation. Simultaneously with the termination of a Voting Period, the terms of office of the additional Directors elected by the holders of shares of Series A Preferred Stock pursuant to this Section A.5(e) shall terminate, such incumbent Directors shall constitute the Directors of the Corporation and the rights of the holders of shares of Series A Preferred Stock to elect additional Directors pursuant to this Section A.5(e) shall cease until such time, if at all, that any share of Preferred Stock is again not timely redeemed in accordance with the provisions of this Section A.5.

(f) Dividend After Redemption Date. In the event that shares of Series A Preferred Stock required to be redeemed are not redeemed and continue to be outstanding, such shares shall continue to be entitled to dividends thereon as provided in Section A.3 until the date on which the Corporation actually redeems such shares.

(g) Surrender of Certificates. Each holder of shares of Series A Preferred Stock to be redeemed shall surrender the certificate or certificates representing such shares to the Corporation, duly assigned or endorsed for transfer to the Corporation (or accompanied by duly executed stock powers relating thereto), or, in the event the certificate or certificates are lost, stolen or missing, shall deliver an affidavit of loss, at the principal executive office of the Corporation or such other place as the Corporation may from time to time designate by notice to the holders of shares of Series A Preferred Stock, and each surrendered certificate shall be canceled and retired and the Corporation shall thereafter make payment of the applicable Series A Redemption Price by certified check or wire transfer; provided, however, that if the Corporation has insufficient funds legally available to redeem all shares of Series A Preferred Stock required to be redeemed, each such holder shall, in addition to receiving the payment of the portion of the aggregate Series A Redemption Price that the Corporation is not legally prohibited from paying to such holder by certified check or wire transfer, receive a new stock certificate for those shares of Series A Preferred Stock not so redeemed.

6. Conversion. Shares of Series A Preferred Stock shall be converted into Common Stock in accordance with the following:

(a) Voluntary Conversion. Upon the written election of the holder thereof and without payment of any additional consideration, each outstanding share of Series A Preferred Stock held by such holder shall be converted into such number of fully paid and nonassessable shares of Common Stock as is determined by dividing (A) the Series A Original Issue Price plus the Series A Unpaid Dividend Amount, by (B) the Series A Conversion Price at the time in effect for such share of Series A Preferred Stock (such quotient, the "Series A Conversion Rate"). The initial "Series A Conversion Price" per share for shares of Series A Preferred Stock shall be the Series A Original Issue Price, subject to adjustment as set forth in Section A.7. Any election by a holder of shares of Series A Preferred Stock pursuant to this Section A.6(a) shall be made by written notice to the Corporation, and such notice may be given at any time and from time to time after the date of the first issuance of shares of Series A Preferred Stock by the Corporation (the "Closing Date") and through and including the day which is five (5) days prior to the Series A Redemption Date or the closing of any transaction contemplated by Section A.4(b).

(b) Automatic Conversion. Each share of Series A Preferred Stock shall automatically be converted at any time after the date of issuance of such shares of Series A Preferred Stock as follows:

(i) Each share of Series A Preferred Stock shall automatically be converted, without the payment of any additional consideration, into fully paid and nonassessable shares of Common Stock at the applicable Series A Conversion Rate as of, and in all cases subject to, the closing of the Corporation's first underwritten public offering on a firm commitment basis by a

nationally recognized investment banking organization or organizations pursuant to an effective registration statement under the Securities Act of 1933, as amended, covering the offer and sale of shares of Common Stock (i) at a price per share of Common Stock of not less than \$10.00 (appropriately adjusted for stock splits, stock dividends, or other subdivisions or combinations of Common Stock), (ii) with respect to which the Corporation receives aggregate gross proceeds attributable to sales for the account of the Corporation that exceed \$20 million, and (iii) with respect to which such Common Stock is listed for trading on either the New York Stock Exchange or the NASDAQ National Market (a "Qualified IPO"). If a closing of a Qualified IPO occurs, all outstanding shares of Series A Preferred Stock shall be deemed to have been converted into shares of Common Stock immediately prior to such closing.

(ii) Upon the written election of a Two-Thirds Series A Interest and without the payment of any additional consideration, all (but not less than all) of the outstanding shares of Series A Preferred Stock shall be converted into fully paid and nonassessable shares of Common Stock at the Series A Conversion Rate. Any election by a Two-Thirds Series A Interest pursuant to this Section A.6(b)(ii) shall be made by written notice to the Corporation and the other holders of shares of Series A Preferred Stock, and such notice may be given at any time after the Closing Date through and including the date which is five (5) days prior to the closing of any transaction contemplated by Section A.4(b).

(c) Procedure for Conversion.

(i) Voluntary Conversion. Upon election to convert pursuant to Section A.6(a), the relevant holder or holders of shares of Series A Preferred Stock shall surrender the certificate or certificates representing the shares of Series A Preferred Stock being converted to the Corporation, duly assigned or endorsed for transfer to the Corporation (or accompanied by duly executed stock powers relating thereto) or shall deliver an affidavit of loss to the Corporation, at its principal executive office or such other place as the Corporation may from time to time designate by notice to the holders of the shares of Series A Preferred Stock. Upon surrender of such certificate(s) or delivery of an affidavit of loss, the Corporation shall issue and send by hand delivery, by courier or by first class mail (postage prepaid) to the holder thereof or to such holder's designee, at the address designated by such holder, certificates for the number of shares of Common Stock to which such holder shall be entitled upon conversion. The issuance of certificates for Common Stock upon conversion of Series A Preferred Stock shall be deemed effective as of the date of surrender of such Series A Preferred Stock certificates or delivery of such affidavit of loss and will be made without charge to the holders of such shares for any issuance tax in respect thereof or other costs incurred by the Corporation in connection with such conversion and the related issuance of such stock.

(ii) Automatic Conversion. As of the closing of a Qualified IPO or upon the election of a Two-Thirds Series A Interest (either, an "Automatic Conversion Date"), all outstanding shares of Series A Preferred Stock shall be converted into shares of Common Stock without any further action by the

holders of such shares and whether or not the certificates representing such shares of Series A Preferred Stock are surrendered to the Corporation. On the Automatic Conversion Date, all rights with respect to the Series A Preferred Stock so converted shall terminate, except any of the rights of the holders thereof upon surrender of their certificate or certificates therefor or delivery of an affidavit of loss thereof to receive certificates for the number of shares of Common Stock into which such shares of Series A Preferred Stock have been converted. If so required by the Corporation, certificates surrendered for conversion shall be endorsed or accompanied by a written instrument or instruments of transfer, in form satisfactory to the Corporation, duly executed by the registered holder or by his, her or its attorney duly authorized in writing. Upon surrender of such certificates or affidavit of loss, the Corporation shall issue and deliver to such holder, promptly (and in any event in such time as is sufficient to enable such holder to participate in any Qualified IPO, if applicable) at such office and in its name as shown on such surrendered certificate or certificates, a certificate or certificates for the number of shares of Common Stock into which the shares of the Series A Preferred Stock surrendered are convertible on the Automatic Conversion Date.

(d) 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 Series A 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 Series A 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 outstanding shares of Series A Preferred Stock, the Corporation will take such corporate action as may be necessary to increase the number of its authorized but unissued shares of Common Stock to such number of shares as shall be sufficient for such purpose, and to reserve the appropriate number of shares of Common Stock for issuance upon such conversion.

(e) No Closing of Transfer Books. The Corporation shall not close its books against the transfer of shares of Series A Preferred Stock in any manner that would interfere with the timely conversion of any shares of Series A Preferred Stock.

7. Adjustments. The Series A Conversion Price in effect from time with respect to the Series A Preferred Stock shall be subject to adjustment (regardless of whether any shares of Series A Preferred Stock are then issued and outstanding) as follows:

(a) Adjustments to the Series A Conversion Price. Except as provided in Section A.7(b) and except in the case of an event described in Section A.7(c), if and whenever after the date this Amended and Restated Certificate of Incorporation is first filed with the Secretary of State of the State of Delaware (the "Filing Date"), the Corporation shall issue or sell, or is, in accordance with this Section A.7(a), deemed to have issued or sold, any shares of Common Stock (such shares of Common Stock, the "Additional Stock") for a consideration per share less than the Series A Conversion Price in effect immediately prior to such issuance or sale (or deemed issuance or sale), then,

upon such issuance or sale (or deemed issuance or sale), the Series A Conversion Price shall be adjusted to a price determined by multiplying such Series A Conversion Price by a fraction, the numerator of which shall be the number of shares of Common Stock Outstanding (as defined below) immediately prior to such issuance plus the number of shares of Common Stock that the aggregate consideration received by the Corporation for such issuance would purchase at such Series A Conversion Price in effect immediately prior to such issuance; and the denominator of which shall be the number of shares of Common Stock Outstanding (as defined below) immediately prior to such issuance plus the number of such Additional Stock. For purposes of this Section A.7(a), the term "Common Stock Outstanding" shall mean and include the following: (1) outstanding Common Stock, (2) Common Stock issuable upon conversion of Series A Preferred Stock, (3) Common Stock issuable upon exercise of outstanding stock options and (4) Common Stock issuable upon exercise (and, in the case of warrants to purchase Series A Preferred Stock, conversion) of outstanding warrants. Shares described in (1) through (4) above shall be included whether vested or unvested, whether contingent or non-contingent and whether exercisable or not yet exercisable.

For purposes of this Section A.7(a), the following shall also be applicable:

(i) Issuance of Rights or Options. If the Corporation shall, at any time after the Filing Date, in any manner grant (whether directly or by assumption in a merger or otherwise) any warrants or other rights to subscribe for or to purchase, or any options for the purchase of, Common Stock or any stock or security convertible into or exchangeable for Common Stock (such warrants, rights or options being called "Options" and such convertible or exchangeable stock or securities being called "Convertible Securities"), in each case for consideration per share (determined as provided in this paragraph and in Section A.7(a)(vi)) less than the Series A Conversion Price then in effect, whether or not such Options or the right to convert or exchange any such Convertible Securities are immediately exercisable, then the total maximum number of shares of Common Stock issuable upon the exercise of such Options, or upon conversion or exchange of the total maximum amount of such Convertible Securities issuable upon exercise of such Options, shall be deemed to have been issued as of the date of granting of such Options, at a price per share equal to the amount determined by dividing (A) the total amount, if any, received or receivable by the Corporation as consideration for the granting of such Options, plus the minimum aggregate amount of additional consideration payable to the Corporation upon the exercise of all such Options, plus, in the case of such Options which relate to Convertible Securities, the minimum aggregate amount of additional consideration, if any, payable upon the issuance or sale of such Convertible Securities and upon the conversion or exchange thereof, by (B) the total maximum number of shares of Common Stock deemed to have been so issued. Except as otherwise provided in Section A.7(a)(iii), no adjustment of the Series A Conversion Price shall be made upon the actual issuance of such Common Stock or of such Convertible Securities upon exercise of such Options or upon the actual issuance of such Common Stock upon conversion or exchange of such Convertible Securities.

(ii) Issuance of Convertible Securities. If the Corporation shall, at any time after the Filing Date, in any manner issue or sell any Convertible Securities for consideration per share (determined as provided in this paragraph and in Section A.7(a)(vi)) less than the Series A Conversion Price then in effect, whether or not the rights to exchange or convert any such Convertible Securities are immediately exercisable, then the total maximum number of shares of Common Stock issuable upon conversion or exchange of all such Convertible Securities shall be deemed to have been issued as of the date of the issuance or sale of such Convertible Securities, at a price per share equal to the amount determined by dividing (A) the total amount, if any, received or receivable by the Corporation as consideration for the issuance or sale of such Convertible Securities, plus the minimum aggregate amount of additional consideration, if any, payable to the Corporation upon the conversion or exchange thereof, by (B) the total maximum number of shares of Common Stock deemed to have been so issued; provided, that (1) except as otherwise provided in Section A.7(a)(iii), no adjustment of the Series A Conversion Price shall be made upon the actual issuance of such Common Stock upon conversion or exchange of such Convertible Securities and (2) if any such issuance or sale of such Convertible Securities is made upon exercise of any Options to purchase any such Convertible Securities, no further adjustment of the Series A Conversion Price shall be made by reason of such issuance or sale.

(iii) Change in Option Price or Series A Conversion Rate. If there shall occur, at any time or from time to time after the Filing Date, a change in (A) the maximum number of shares of Common Stock issuable in connection with any Option referred to in Section A.7(a)(i) or any Convertible Securities referred to in Section A.7(a)(i) or (ii), (B) the purchase price provided for in any Option referred to in Section A.7(a)(i), (C) the additional consideration, if any, payable upon the conversion or exchange of any Convertible Securities referred to in Section A.7(a)(i) or (ii) or (D) the rate at which Convertible Securities referred to in Section A.7(a)(i) or (ii) are convertible into or exchangeable for Common Stock (in each case, other than in connection with an event described in Section A.7(b)), then the Series A Conversion Price in effect at the time of such event shall be adjusted to the Series A Conversion Price that would have been in effect at such time had such Options or Convertible Securities that are still outstanding provided for such changed maximum number of shares, purchase price, additional consideration or conversion rate, as the case may be, at the time initially granted, issued or sold, but only if as a result of such adjustment the Series A Conversion Price then in effect is thereby reduced; and on the termination of any such Option or any such right to convert or exchange such Convertible Securities, the Series A Conversion Price then in effect hereunder shall be increased to the Series A Conversion Price that would have been in effect at the time of such termination had such Option or Convertible Securities, to the extent outstanding immediately prior to such termination (i.e., to the extent that fewer than the number of shares of Common Stock deemed to have been issued in connection with such Option or Convertible Securities were actually issued), never been issued or been issued at such higher price, as the case may be.

(iv) Stock Dividends. If the Corporation, at any time or from time to time after the Filing Date, shall declare or make, or fix a record date for the determination of holders of Common Stock entitled to receive, a dividend or make any other distribution upon any stock of the Corporation payable in shares of Common Stock, Options or Convertible Securities, any shares of Common Stock, Options or Convertible Securities, as the case may be, issuable in payment of such dividend or distribution shall be deemed to have been issued or sold without consideration, and the Series A Conversion Price will be adjusted pursuant to this Section A.7(a); provided, that no adjustment shall be made to the Series A Conversion Price as a result of such dividend or distribution if the holders of the shares of Series A Preferred Stock are entitled to, and do, receive such dividend or distribution in accordance with Section A.3; and, provided, further, that if any adjustment is made to the applicable Series A Conversion Price as a result of the declaration of a dividend and such dividend is not effected, the applicable Series A Conversion Price shall be appropriately readjusted to the applicable Series A Conversion Price in effect had such dividend not been declared.

(v) Other Dividends and Distributions. If the Corporation, at any time or from time to time after the Filing Date, shall declare or make, or fix a record date for the determination of holders of shares of Common Stock entitled to receive, a dividend or other distribution payable in securities or other property of the Corporation other than shares of Common Stock, then, and in each such event, provision shall be made so that the holders of the outstanding shares of Series A Preferred Stock shall receive upon conversion thereof, in addition to the number of shares of Common Stock receivable thereupon, the amount of such other securities of the Corporation or the value of such other property that they would have received had the shares of Series A Preferred Stock been converted into Common Stock on the date of such event and had such holders thereafter, during the period from the date of such event to and including the conversion date, retained such securities or other property receivable by them during such period giving application to all adjustments called for during such period under Section A.7 with respect to the rights of the holders of the outstanding shares of Series A Preferred Stock; and, provided, further, however, that no such adjustment shall be made if the holders of shares of Series A Preferred Stock simultaneously receive a dividend or other distribution of such securities or other property in an amount equal to the amount of such securities or other property as they would have received if all outstanding shares of Series A Preferred Stock had been converted into Common Stock on the date of such event.

(vi) Consideration for Stock. If the Corporation, at any time or from time to time after the Filing Date, shall issue or sell, or is deemed to have issued or sold, any shares of Common Stock for cash, the consideration received therefor shall be deemed to be the amount received or to be received by the Corporation therefor (determined with respect to deemed issuances and sales in connection with Options and Convertible Securities in accordance with clause (A) of Section A.7(a)(i) or Section A.7(a)(ii), as appropriate) as determined



in good faith by the Board of Directors of the Corporation and a Two-Thirds Series A Interest. In case any shares of Common Stock shall be issued or sold, or deemed issued or sold, for a consideration other than cash, the amount of the consideration other than cash received by the Corporation shall be deemed to be the fair value of such consideration received or to be received by the Corporation (determined with respect to deemed issuances and sales in connection with Options and Convertible Securities in accordance with clause (A) of Section A.7(a)(i) or Section A.7(a)(ii), as appropriate) as determined in good faith by the Board of Directors of the Corporation and a Two-Thirds Series A Interest. In case any Options shall be issued in connection with the issuance and sale of other securities of the Corporation, together comprising one integral transaction in which no specific consideration is allocated to such Options by the parties thereto, such Options shall be deemed to have been issued for such consideration as determined in good faith by the Board of Directors of the Corporation and a Two-Thirds Series A Interest. Anything herein to the contrary notwithstanding, if in any case described in this Section A.7(a)(vi) the Corporation and the holders of a Two-Thirds Series A Interest are unable to reach agreement as to the value of such consideration, then the value thereof will be determined by an independent appraisal by a mutually agreed upon investment banker, one half (1/2) of the fees of which shall be paid by the Corporation and one half (1/2) of the fees of which shall be paid by the holders of Series A Preferred Stock as a group.

(vii) Record Date. In case the Corporation shall take a record of the holders of its Common Stock for the purpose of entitling them (A) to receive a dividend or other distribution payable in shares of Common Stock, Options or Convertible Securities or (B) to subscribe for or purchase shares of Common Stock, Options or Convertible Securities, then such record date shall be deemed to be the date of the issuance or sale of the shares of Common Stock deemed to have been issued or sold upon the declaration of such dividend or the making of such other distribution or the date of the granting of such right of subscription or purchase, as the case may be.

(viii) Treasury Shares. The number of shares of Common Stock outstanding at any given time shall not include shares owned or held by or for the account of the Corporation; provided, that the disposition of any such shares shall be considered an issuance or sale of Common Stock for the purpose of this Section A.7.

(ix) Other Issuances or Sales. In calculating any adjustment to the Series A Conversion Price pursuant to this Section A.7(a), any Options or Convertible Securities that provide, as of the effective date of such adjustment, for the issuance upon exercise or conversion thereof of an indeterminable number of shares of Common Stock shall (together with the shares of Common Stock issuable upon exercise or conversion thereof) be disregarded; provided, that at such time as the number of shares of Common Stock issuable upon exercise or conversion of such Options or Convertible Securities becomes determinable, the Series A Conversion Price shall be adjusted as provided in Section A.7(a)(iii) above.

(b) Certain Issues of Common Stock Excepted. Anything herein to the contrary notwithstanding, the Corporation shall not be required to make any adjustment of the Series A Conversion Price in the case of the issuance from and after the Filing Date of (i) shares of Common Stock upon conversion of shares of Series A Preferred Stock, (ii) up to one million one hundred thousand (1,100,000) shares of Common stock to its Chief Executive Officer in connection with his employment by the Corporation, and (iii) up to five hundred thousand (500,000) shares of Common Stock or options therefor to Directors, officers, employees or consultants of the Corporation in connection with their service as Directors or officers of the Corporation, their employment by the Corporation or their retention as consultants by the Corporation, in each case in this (iii) authorized by unanimous vote of all of the members of the Board of Directors and issued pursuant to the Corporation's equity incentive plan.

(c) Subdivision or Combination of Common Stock. In case the Corporation shall, at any time after the Filing Date, subdivide its outstanding shares of Common Stock into a greater number of shares (by any stock split, stock dividend or otherwise), the Series A Conversion Price in effect immediately prior to such subdivision shall be proportionately reduced, and, conversely, in case the Corporation shall, at any time after the Filing Date, combine its outstanding shares of Common Stock into a smaller number of shares (by any reverse stock split or otherwise), each applicable Series A Conversion Price in effect immediately prior to such combination shall be proportionately increased. In the case of any such subdivision, no further adjustment shall be made pursuant to Section A.7(a)(iv) by reason thereof.

(d) Reorganization or Reclassification. If any capital reorganization or reclassification of the capital stock of the Corporation shall be effected in such a way that holders of shares of Common Stock shall be entitled to receive stock, securities or assets with respect to or in exchange for shares of Common Stock, then, as a condition of such reorganization or reclassification, lawful and adequate provisions shall be made whereby each holder of a share or shares of Series A Preferred Stock shall thereupon have the right to receive, upon the basis and upon the terms and conditions specified herein and in lieu of the shares of Common Stock immediately theretofore receivable upon the conversion of such share or shares of Series A Preferred Stock, as the case may be, such shares of stock, securities or assets as may be issued or payable with respect to or in exchange for a number of outstanding shares of such Common Stock equal to the number of shares of such Common Stock immediately theretofore receivable upon such conversion had such reorganization or reclassification not taken place, and, in any such case, appropriate provisions shall be made with respect to the rights and interests of such holder to the end that the provisions hereof (including, without limitation, provisions for adjustments of the Series A Conversion Price) shall thereafter be applicable, as nearly as may be, in relation to any shares of stock, securities or assets thereafter deliverable upon the exercise of such conversion rights.

(e) Mergers, Asset Sales and Change of Control Transactions. Upon the election of a Two-Thirds Series A Interest made in connection with any merger or consolidation of the Corporation with or into another corporation or any sale of all or substantially all of the assets of the Corporation to another corporation, each share of Series A Preferred Stock shall remain outstanding and shall thereafter be convertible (or

shall be converted into a security which shall be convertible) into the kind and amount of securities or other property to which a holder of the number of shares of Common Stock of the Corporation deliverable upon conversion of such share of Series A Preferred Stock would have been entitled upon such merger, consolidation or asset sale; and, in such case, appropriate adjustment (as determined in good faith by the Board of Directors) shall be made in the application of the provisions in Section A.7 set forth with respect to the rights and interests thereafter of the holders of Series A Preferred Stock to the end that the provisions set forth in Section A.7 (including provisions with respect to changes in and other adjustments of the applicable Series A Conversion Price) shall thereafter be applicable, as nearly as possible, in relation to any securities or other property thereafter deliverable upon the conversion of the Series A Preferred Stock. Any election by a Two-Thirds Series A Interest pursuant to this Section A.7(e) shall be made by written notice to the Corporation and the other holders of shares of Series A Preferred Stock at least five (5) days prior to the closing of the relevant transaction. Upon the election of such Two-Thirds Series A Interest hereunder, all holders of Series A Preferred Stock shall be deemed to have elected to so participate in such merger, consolidation or asset sale as provided in this Section A.7(e). Notwithstanding anything to the contrary contained herein, a Two-Thirds Series A Interest shall have the right to elect to give effect to the conversion rights contained in Section A.6 or the rights contained in Section A.4(b), if and as applicable, instead of giving effect to the provisions contained in this Section A.7(e) with respect to the shares of Series A Preferred Stock held by such holders.

8. Covenants. The Corporation shall not (in any case, by merger, consolidation, operation of law or otherwise), without first having provided written notice of such proposed action to each holder of outstanding shares of Series A Preferred Stock and having obtained the affirmative vote or written consent of the holders of a Two-Thirds Series A Interest:

- (a) Alter or change the rights, preferences or privileges of the Series A Preferred Stock;
- (b) Repurchase any shares of capital stock of the Corporation, except for redemptions of the Series A Preferred Stock or repurchases of shares issued pursuant to the Company's equity incentive plan or existing stock restriction agreements;
- (c) Declare or pay any dividend payable on any class of capital stock of the Corporation, other than the Series A Preferred Stock;
- (d) Increase the authorized number of shares of Series A Preferred Stock or of Common Stock of the Corporation;
- (e) Create any new class of shares, or any securities convertible into any new class of shares, having preference over or on parity with the Series A Preferred Stock;
- (f) Reclassify any capital stock of the Corporation;
- (g) Liquidate, dissolve or wind-up the operations of the Corporation;

(h) Merge, consolidate, sell substantially all of the Corporation's assets or enter into any other transaction where a majority interest of the Corporation's voting power is acquired by a person or affiliated group;

(i) Amend or repeal any provision of, or add any provision to, the Certificate of Incorporation of the Corporation; or

(j) Take any action by written consent of stockholders by less than 48 hours' notice.

Further, the Corporation shall not, by amendment, alteration or repeal of this Amended and Restated Certificate of Incorporation (whether by merger, consolidation, operation of law, or otherwise) or through any Liquidation Event, any event described in Section A.4(b) hereof, or any other reorganization, recapitalization, transfer of assets, consolidation, merger, dissolution, issue or sale of securities, agreement 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 and shall at all times in good faith assist in the carrying out of all the provisions of this Article V and in the taking of all such action as may be necessary or appropriate in order to protect the rights of the holders of the Series A Preferred Stock against impairment. Any successor to the Corporation shall agree in writing, as a condition to such succession, to carry out and observe the obligations of the Corporation hereunder with respect to the Series A Preferred Stock.

9. Notice; Adjustments; Waivers.

(a) Liquidation Events, Etc. In the event (i) the Corporation establishes a record date to determine the holders of any class of securities who are entitled to receive any dividend or other distribution or who are entitled to vote at a meeting (or by written consent) in connection with any of the transactions identified in clause (ii) hereof, or (ii) any Liquidation Event, event deemed a Liquidation Event pursuant to Section A.4(b) hereof, Qualified IPO or any other public offering becomes reasonably likely to occur, the Corporation shall mail or cause to be mailed by first class mail (postage prepaid) to each holder of shares of Series A Preferred Stock at least thirty (30) days prior to such record date specified therein or the expected effective date of any such transaction, whichever is earlier, a notice specifying (A) the date of such record date for the purpose of such dividend or distribution or meeting or consent and a description of such dividend or distribution or the action to be taken at such meeting or by such consent, (B) the date on which any such Liquidation Event, event deemed a Liquidation Event pursuant to Section A.4(b) hereof, Qualified IPO or other public offering is expected to become effective, and (C) the date on which the books of the Corporation shall close or a record shall be taken with respect to any such event. Such notice shall be accompanied by a certificate prepared by the chief financial officer of the Corporation describing in detail (1) the facts of such transaction, (2) the amount(s) per share of Series A Preferred Stock or Common Stock each holder of shares of Series A Preferred Stock would receive pursuant to the provisions of this Amended and Restated Certificate of Incorporation, and (3) the facts upon which such amounts were determined.

(b) Adjustments; Calculations. Upon the occurrence of each adjustment or readjustment of the Series A Conversion Price pursuant to Section A.7, 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 shares of Series A Preferred Stock a certificate setting forth in detail (i) such adjustment or readjustment, (ii) the applicable Series A Conversion Price before and after such adjustment or readjustment, and (iii) 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 such holder's shares of Series A Preferred Stock. All such calculations shall be made to the nearest cent or to the nearest one hundredth (1/100) of a share as the case may be.

(c) Waiver of Notice. The holder or holders of a Two-Thirds Series A Interest may, at any time upon written notice to the Corporation, waive any notice or certificate delivery provisions specified herein for the benefit of such holders of shares of Series A Preferred Stock, and any such waiver shall be binding upon all holders of such securities.

(d) Other Waivers. The holder or holders of a Two-Thirds Series A Interest may, at any time upon written notice to the Corporation, waive compliance by the Corporation with any term or provision herein, provided that any such waiver does not affect any holder of outstanding shares of Series A Preferred Stock in a manner materially different than any other holder of shares of Series A Preferred Stock.

and any such waiver shall be binding upon, and only upon, all holders of shares of Series A Preferred Stock and their respective transferees.

10. No Reissuance of Series A Preferred Stock. No share or shares of Series A Preferred Stock acquired by the Corporation by reason of redemption, purchase, conversion or otherwise shall be reissued, and all such shares shall be canceled, retired and eliminated from the shares which the Corporation shall be authorized to issue.

11. Contractual Rights of Holders. The various provisions set forth herein for the benefit of the holders of shares of Series A Preferred Stock shall be deemed contract rights enforceable by them, including, without limitation, by one or more actions for specific performance.

## B. COMMON STOCK

### 1. Voting.

(a) Election of Directors. The holders of Common Stock, voting together with the holders of outstanding Series A Preferred Stock as a single class, shall be entitled to elect all of the Directors of the Corporation other than the Director elected by the holders of shares of Series A Preferred Stock pursuant to Section A.2 above. Such Director(s) shall be elected by a plurality vote, with the elected candidates being the candidates receiving the greatest number of affirmative votes (with each holder entitled to cast one vote for or against each candidate with respect to each share held by such holder). The election of such Directors shall occur at the annual meeting of holders of capital stock or at any special meeting called and held in accordance with the by-laws of the Corporation, or by consent in lieu thereof in accordance with this Amended and Restated Certificate of Incorporation and applicable law.

(b) Voting Generally. Except as otherwise expressly provided herein or required by law, each holder of outstanding shares of Common Stock shall be entitled to one (1) vote in respect of each share of Common Stock held thereby of record on the books of the Corporation for the election of directors and on all matters submitted to a vote of stockholders of the Corporation. Notwithstanding the provisions of Section 242(b)(2) of the Delaware General Corporation Law, the number of authorized shares of Common Stock may be increased or decreased (but not below the number of shares thereof then outstanding) by the affirmative vote of a majority of the outstanding shares of Common Stock and Series A Preferred Stock voting together as a single class.

2. Dividends. Subject to the payment in full of all preferential dividends to which the holders of shares of Series A Preferred Stock, if any, are entitled hereunder, the holders of shares of Common Stock shall be entitled to receive dividends out of funds legally available therefor at such times and in such amounts as the Board of Directors may determine, in its sole discretion, with holders of shares of Series A Preferred Stock and Common Stock sharing pari passu in such dividends, as contemplated by Section A.3.

3. Liquidation. Upon any Liquidation Event, after the payment or provision for payment of all debts and liabilities of the Corporation and all preferential

amounts to which the holders of shares of Series A Preferred Stock are entitled with respect to the distribution of assets in liquidation, the holders of shares of Common Stock shall be entitled to share ratably in the remaining assets of the Corporation available for distribution, as contemplated by Section A.4.

VI. In furtherance of and not in limitation of powers conferred by statute, it is further provided:

1. Election of Directors need not be by written ballot unless the by-laws of the Corporation so provide.
2. The Board of Directors is expressly authorized to adopt, amend or repeal the by-laws of the Corporation to the extent specified therein.

VII. Meetings of stockholders may be held within or without the State of Delaware, as the by-laws may provide.

VIII. To the extent permitted by law, the books of the Corporation may be kept outside the State of Delaware at such place or places as may be designated in the by-laws of the Corporation or from time to time by its Board of Directors.

IX. A Director of the Corporation shall not be personally liable to the Corporation or its stockholders for monetary damages for breach of fiduciary duty as a Director of the Corporation, except for liability (a) for any breach of the Director's duty of loyalty to the Corporation or its stockholders, (b) for acts or omissions not in good faith or which involve intentional misconduct or a knowing violation of law, (c) under Section 174 of the Delaware General Corporation Law, or (d) for any transaction from which the Director derived an improper personal benefit. If the Delaware General Corporation Law is amended after the effective date of this Amended and Restated Certificate of Incorporation to authorize corporate action further eliminating or limiting the personal liability of Directors, then the liability of a Director of the Corporation shall be eliminated or limited to the fullest extent permitted by the General Corporation Law of the State of Delaware.

X. Any repeal or modification of Article IX of this Amended and Restated Certificate of Incorporation by the stockholders of the Corporation or by an amendment to the Delaware General Corporation Law shall not adversely affect any right or protection existing at the time of such repeal or modification with respect to any acts or omissions occurring either before or after such repeal or modification of a person serving as a Director prior to or at the time of such repeal or modification.

XI. Except as otherwise provided herein, the Corporation reserves the right to amend, alter, change or repeal any provision contained in this Amended and Restated Certificate of Incorporation, in the manner now or hereafter prescribed by statute, and all rights conferred upon stockholders herein are granted subject to this reservation.