

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | CHANGE OF NAME |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| RSCIS, Inc. | 03/03/2004 |
| RECEIVING PARTY DATA | |
| Name: | AltaSens, Inc. |
| Street Address: | 501 Marin Street, Suite 200 |
| City: | Thousand Oaks |
| State/Country: | CALIFORNIA |
| Postal Code: | 91360 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Patent Number: | 7046284 |
| CORRESPONDENCE DATA | |
| Fax Number: | (415)391-8269 |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | |
| Phone: | (415) 659-5969 |
| Email: | mkelley@reedsmith.com |
| Correspondent Name: | Doyle B. Johnson |
| Address Line 1: | Two Embarcadero Center, Suite 2000 |
| Address Line 4: | San Francisco, CALIFORNIA 94111 |
| ATTORNEY DOCKET NUMBER: | 359999.01201 |
| NAME OF SUBMITTER: | Doyle B. Johnson |

Total Attachments: 19

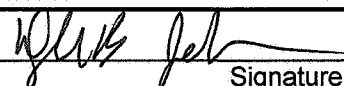
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RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

| | | | |
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| 1. Name of conveying party(ies) RSCIS, Inc. Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input type="checkbox"/> No | | 2. Name and address of receiving party(ies) Name: <u>AltaSens, Inc.</u> Internal Address: _____ Street Address: <u>501 Marin Street</u> <u>Suite 2000</u> City: <u>Thousand Oaks</u> State: <u>California</u> Country: <u>US</u> Zip: <u>91360</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 3. Nature of conveyance/Execution Date(s): Execution Date(s) <u>March 3, 2004</u> <input type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input checked="" type="checkbox"/> Change of Name <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____ | | 4. Application or patent number(s): <input type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s) _____ B. Patent No.(s) <u>7,046,284</u> Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| 5. Name and address to whom correspondence concerning document should be mailed: Name: <u>Doyle B. Johnson</u> Internal Address: _____ Street Address: <u>Two Embarcadero Center, Suite 2000</u> City: <u>San Francisco</u> State: <u>California</u> Zip: <u>94111</u> Phone Number: <u>415-659-5969</u> Fax Number: <u>415-391-8269</u> Email Address: <u>dbjohnson@reedsmith.com</u> | | 6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 1.21(h) & 3.41) \$ _____ <input type="checkbox"/> Authorized to be charged by credit card <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title) | |
| 9. Signature: <u></u> Signature Doyle B. Johnson, Reg No. 39,240 Name of Person Signing | | 8. Payment Information a. Credit Card Last 4 Numbers _____ Expiration Date _____ b. Deposit Account Number <u>502603</u> Authorized User Name <u>Doyle B. Johnson</u> Date <u>9-19-2007</u> | |

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

Delaware

PAGE 1

The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE RESTATED CERTIFICATE OF "RSCIS, INC.", CHANGING ITS NAME FROM "RSCIS, INC." TO "ALTASENS, INC.", FILED IN THIS OFFICE ON THE THIRD DAY OF MARCH, A.D. 2004, AT 4:20 O'CLOCK P.M.



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Harriet Smith Windsor

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 5574884

DATE: 04-09-07

PATENT
REEL: 019850 FRAME: 0469

**SECOND AMENDED AND RESTATED
CERTIFICATE OF INCORPORATION
OF
RSCIS, INC.**

RSCIS, Inc., a corporation organized and existing under and by virtue of the laws of the State of Delaware (the "Corporation"), DOES HEREBY CERTIFY:

FIRST: The Corporation was originally incorporated under the name of RSCIS, Inc. and the original Certificate of Incorporation and the Amended and Restated Certificate of Incorporation were filed with the Secretary of State of the State of Delaware on August 13, 2003 and February 4, 2004, respectively.

SECOND: That by unanimous written consent of the Board of Directors of the Corporation, filed with the minutes of the Corporation, resolutions were duly adopted setting forth the proposed amendment and restatement of the Amended and Restated Certificate of Incorporation of the Corporation and declaring said amendment and restatement to be advisable. The resolution setting forth the proposed amendment and restatement is as follows:

RESOLVED, that subject to the approval of the stockholder of the Corporation, Article I of the Amended and Restated Certificate of Incorporation of the Corporation be, and it hereby is, amended and restated in its entirety to read as follows:

"The name of this corporation is Altasens, Inc. (the "Corporation")."

THIRD: That thereafter, pursuant to resolution of its Board of Directors, the stockholders of the Corporation took action by executing a written consent in lieu of a meeting in accordance with Section 228 of the General Corporation Law of the State of Delaware to approve such amendment and restatement. The holders of a majority of the outstanding stock entitled to consent thereto have granted written consent with respect to such stock in favor of said amendment and restatement.

FOURTH: That said amendment and restatement was duly adopted in accordance with the provisions of Sections 242 and 245 of the General Corporation Law of the State of Delaware. The Second Amended and Restated Certificate of Incorporation, attached hereto as Exhibit A, amends and restates the provisions of the Amended and Restated Certificate of Incorporation of the Corporation.

IN WITNESS WHEREOF, the Corporation has caused this Second Amended and Restated Certificate of Incorporation to be signed by its duly authorized officer, this 1st day of March, 2004.

RSCIS, INC.

By: T. Takamatsu
Toshiaki Takamatsu, President

By: S. Yatsu
Shingo Yatsu, Secretary

EXHIBIT A**SECOND AMENDED AND RESTATED
CERTIFICATE OF INCORPORATION****I**

The name of the Corporation is Altasens, Inc. (the "Corporation").

II

Its Registered Office in the State of Delaware is to be located at 2711 Centerville Road, Suite 400, Wilmington, DE 19808, County of New Castle. The name of its registered agent at such address is Corporation Service Company.

III

The purpose of the Corporation is to engage in any lawful act or activity for which a corporation may be organized under the Delaware General Corporation Law ("DGCL").

IV

A. The total number of shares of stock which the Corporation shall have authority to issue is Fifty Million (50,000,000) shares, consisting of Twenty Million (20,000,000) shares of common stock, with a par value of \$0.001 per share (the "Common Stock") and Thirty Million (30,000,000) shares of preferred stock, with a par value of \$0.001 per share (the "Preferred Stock"). The Preferred Stock may be issued from time to time in one or more series. The number of authorized shares of Common Stock may be increased or decreased (but not below the number of shares of Common Stock then outstanding) by the affirmative vote of the holders of a majority of the stock of the Corporation (voting together on an as-if-converted basis).

B. The Preferred Stock shall be divided into series. The first series shall consist of Nine Million Eight Hundred Eighty Three Thousand Seven Hundred Fifteen (9,883,715) shares and shall be designated "Series A Preferred". The Board of Directors is expressly authorized to fix, by resolution or resolutions providing for the issue of any additional series of Preferred Stock the number of shares included in such series and the voting power, designations, preferences and relative participating optional qualifications, limitations or restrictions thereof, and except as otherwise provided in respect of any such series (but not below the number of shares thereof then outstanding). In case the number of shares of any such series shall be so decreased, the shares constituting such decrease shall resume the status that they had prior to the adoption of the resolution or resolutions originally fixing the number of shares of such series. The number of authorized shares of Preferred Stock may be increased or decreased (but not below the number of shares thereof then outstanding) by the affirmative vote of the holders of a majority of the stock of the corporation entitled to vote irrespective of Section 242 of the DGCL or any successor provision requiring that such an increase or decrease be voted upon by the holders of the Preferred Stock voting as a separate class.

C. The rights, preferences, privileges, restrictions and other matters relating to the Series A Preferred are as follows:

1. DIVIDEND RIGHTS.

(a) Subject to the rights of any series of Preferred Stock which may from time to time come into existence, the holders of shares of Series A Preferred shall be entitled to receive cash non-cumulative dividends on a pro rata basis out of any assets legally available therefore, prior and in preference to any declaration or payment of any cash dividend on Common Stock, at the rate of seven percent (7%) per share per annum, when and as declared by the Board of Directors.

(b) In addition, the holders of Series A Preferred shall be entitled to receive, on a pro rata basis with the holders of Common Stock on an as-converted to Common Stock basis, when and as declared by the Board of Directors, but only out of funds that are legally available therefor, cash dividends on each outstanding share of Series A Preferred (as adjusted for any stock dividends, combinations, splits, recapitalizations and the like with respect to such shares after the filing date hereof). Such dividends shall be payable only when, as and if declared by the Board of Directors and shall be non-cumulative.

(c) The provisions of Sections 1(b) shall not apply to a dividend payable in Common Stock, or any repurchase of any outstanding securities of the Corporation that is unanimously approved by the Corporation's Board of Directors, including the affirmative vote of the representative of the Series A Preferred.

(d) The holders of the Series A Preferred expressly waive their rights, if any, as described in Sections 502, 503 and 506 of the California General Corporation Law ("CGCL") as they relate to repurchases of shares upon termination of employment or service as a consultant or director.

2. VOTING RIGHTS.

(a) **General Rights.** Each holder of shares of the Series A Preferred shall be entitled to the number of votes equal to the number of shares of Common Stock into which such shares of Series A Preferred could be converted (pursuant to Section 4 hereof) immediately after the close of business on the record date fixed for such meeting or the effective date of such written consent and shall have voting rights and powers equal to the voting rights and powers of the Common Stock) and shall be entitled to notice of any stockholders' meeting in accordance with the bylaws of the Corporation. Except as otherwise provided herein or as required by law, the Series A Preferred shall vote together with the Common Stock at any annual or special meeting of the stockholders and not as a separate class, and may act by written consent in the same manner as the Common Stock.

(b) **Separate Vote of Series A Preferred.** For so long as there are any outstanding shares of Series A Preferred, in addition to any other vote or consent required herein or by law, the vote or written consent of the holders of at least sixty percent (60%) of the

outstanding Series A Preferred shall be necessary for effecting or validating the following actions:

(A) authorize or designate, whether by reclassification or otherwise, any new class or series of stock or any other securities convertible into equity securities of the Corporation having rights, preferences or privileges on a parity with or senior to the Series A Preferred;

(B) alter or change any rights, preferences or privileges of the Series A Preferred;

(C) increase or decrease the authorized number of shares of Series A Preferred;

(D) any action that reclassifies any outstanding shares of Series A Preferred;

(E) any merger or consolidation of the Corporation with one or more other corporations in which the stockholders of the Corporation prior to such transaction hold, immediately after such merger or consolidation, stock representing less than a majority of the voting power of the outstanding stock of the surviving corporation, or the sale of all or substantially all the Corporation's assets;

(F) any increase in the number of directors beyond seven (7);

(G) the declaration or payment of a dividend on the capital stock of the Corporation;

(H) the redemption or repurchase of capital stock of the Corporation.

(c) **Cumulative Voting.** No person entitled to vote at an election for directors may cumulate votes to which such person is entitled, unless, at the time of such election, the Corporation is subject to Section 2115 of the CGCL. During such time or times that the Corporation is subject to Section 2115(b) of the CGCL, every stockholder entitled to vote at an election for directors may cumulate such stockholder's votes and give one candidate a number of votes equal to the number of directors to be elected multiplied by the number of votes to which such stockholder's shares are otherwise entitled, or distribute the stockholder's votes on the same principle among as many candidates as such stockholder desires. No stockholder, however, shall be entitled to so cumulate such stockholder's votes unless (x) the names of such candidate or candidates have been placed in nomination prior to the voting and (y) the stockholder has given notice at the meeting, prior to the voting, of such stockholder's intention to cumulate such stockholder's votes. If any stockholder has given proper notice to cumulate votes, all stockholders may cumulate their votes for any candidates who have been properly placed in nomination. Under cumulative voting, the candidates receiving the highest number of votes, up to the number of directors to be elected, are elected.

(d) Removal of Directors.

(A) During such time or times that the Corporation is subject to Section 2115(b) of the CGCL, the Board of Directors or any individual director may be removed from office at any time without cause by the affirmative vote of the holders of at least a majority of the outstanding shares entitled to vote; *provided, however*, that unless the entire Board of Directors is removed, no individual director may be removed when the votes cast against such director's removal, or not consenting in writing to such removal, would be sufficient to elect that director if voted cumulatively at an election which the same total number of votes were cast (or, if such action is taken by written consent, all shares entitled to vote were voted) and the entire number of directors authorized at the time of such director's most recent election were then being elected.

(B) At any time or times that the Corporation is not subject to Section 2115(b) of the CGCL and subject to any limitations imposed by law, Section (d)(i) above shall not apply and the Board of Directors or any director may be removed from office at any time (a) with cause by the affirmative vote of the holders of a majority of the voting power of all then-outstanding shares of capital stock of the Corporation entitled to vote generally at an election of directors or (b) without cause by the affirmative vote of the holders of a majority of the voting power of all then-outstanding shares of capital stock of the Corporation, entitled to vote generally at an election of directors.

3. LIQUIDATION RIGHTS.

(a) Except upon a Qualified Reorganization (as defined in Section 4(l)), upon any liquidation, dissolution, or winding up of the Corporation, whether voluntary or involuntary, before any distribution or payment shall be made to the holders of any Common Stock, the holders of Series A Preferred shall be entitled to be paid out of the assets of the Corporation legally available for distribution, or the consideration received in such transaction, an amount per share of Series A Preferred equal to \$0.99192 (the "Original Issue Price") plus the greater of (i) an amount equal to a seven percent (7%) dividend, compounded annually, for each year (or fraction thereof), which has transpired between the date the holder acquired the Series A Preferred and the date of such liquidation, less the amount of any dividends actually paid and (ii) all declared and unpaid dividends on the Series A Preferred (as adjusted for any stock dividends, combinations, splits, recapitalizations and the like with respect to such shares after the filing date hereof) for each share of Series A Preferred held by them. If, upon any such liquidation, dissolution, or winding up, the assets of the Corporation (or the consideration received in such transaction) shall be insufficient to make payment in full to all holders of Series A Preferred of the liquidation preference set forth in this Section 3(a), then such assets (or consideration) shall be distributed among the holders of Series A Preferred at the time outstanding, ratably in proportion to the full amounts to which they would otherwise be respectively entitled.

(b) After the payment of the full liquidation preference of the Series A Preferred as set forth in Section 3(a) above, any remaining proceeds shall be distributed to the holders of Common Stock and the holders of Series A Preferred on an as-converted basis. If,

upon any such liquidation, dissolution, or winding up, the assets of the Corporation (or the consideration received in such transaction) shall be insufficient to make payment in full to all holders of Common Stock and Series A Preferred of the liquidation preference set forth in this Section 3(b), then such assets (or consideration) shall be distributed among the holders of Common Stock and Series A Preferred at the time outstanding, ratably in proportion to the full amounts to which they would otherwise be respectively entitled.

(c) Upon the election by holders of at least fifty percent (50%) of the shares of the then outstanding Series A Preferred, the following events shall be considered a liquidation under this Section:

(A) (A) Any consolidation or merger of the Corporation with or into any other corporation or other entity or person, or any other corporate reorganization, in which the stockholders of the Corporation immediately prior to such consolidation, merger or reorganization, own less than fifty percent (50%) of the voting power of the surviving entity immediately after such consolidation, merger or reorganization; or (B) any transaction or series of related transactions to which the Corporation is a party in which in excess of fifty percent (50%) of the Corporation's voting power is transferred, excluding any consolidation or merger effected exclusively to change the domicile of the Corporation (each, an "Acquisition"); or

(B) A sale, lease or other disposition of all or substantially all of the assets of the Corporation (an "Asset Transfer").

(C) 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 as determined in good faith by the Board of Directors. Any securities shall be valued as follows:

(I) Securities not subject to investment letter or other similar restrictions on free marketability covered by (B) below:

(1) if traded on a securities exchange or through the Nasdaq National Market, the value shall be deemed to be the average of the closing prices of the securities on such quotation system 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 by the Board of Directors.

(II) 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 stockholder'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 by the Board of Directors.

4. CONVERSION RIGHTS.

The holders of the Series A Preferred shall have the following rights with respect to the conversion of the Series A Preferred into shares of Common Stock (the "Conversion Rights"):

(a) **Optional Conversion.** Subject to and in compliance with the provisions of this Section 4, any shares of Series A Preferred may, at the option of the holder, be converted at any time into fully-paid and nonassessable shares of Common Stock. The number of shares of Common Stock to which a holder of Series A Preferred shall be entitled upon conversion shall be the product obtained by multiplying the "Series A Preferred Conversion Rate" then in effect (determined as provided in Section 4(b)) by the number of shares of Series A Preferred being converted.

(b) **Series A Preferred Conversion Rate.** The conversion rate in effect at any time for conversion of the Series A Preferred (the "Series A Preferred Conversion Rate") shall be the quotient obtained by dividing the Original Issue Price of the Series A Preferred by the "Series A Preferred Conversion Price," calculated as provided in Section 4(c).

(c) **Series A Preferred Conversion Price.** The conversion price for the Series A Preferred shall initially be the Original Issue Price of the Series A Preferred (the "Series A Preferred Conversion Price"). Such initial Series A Preferred Conversion Price shall be adjusted from time to time in accordance with this Section 4. All references to the Series A Preferred Conversion Price herein shall mean the Series A Preferred Conversion Price as so adjusted.

(d) **Mechanics of Conversion.** Each holder of Series A Preferred who desires to convert the same into shares of Common Stock pursuant to this Section 4 shall surrender the certificate or certificates therefor, duly endorsed, at the office of the Corporation or any transfer agent for the Series A Preferred, and shall give written notice to the Corporation at such office that such holder elects to convert the same. Such notice shall state the number of shares of Series A Preferred being converted. Thereupon, the Corporation shall promptly issue and deliver at such office to such holder a certificate or certificates for the number of shares of Common Stock to which such holder is entitled and shall promptly pay (i) in cash or, to the extent sufficient funds are not then legally available therefor, in Common Stock (at the Common Stock's fair market value determined by the Board of Directors as of the date of such conversion), any declared and unpaid dividends on the shares of Series A Preferred being converted and (ii) in cash (at the Common Stock's fair market value determined by the Board of Directors as of the date of conversion) the value of any fractional share of Common Stock otherwise issuable to any holder of Series A Preferred. Such conversion shall be deemed to have been made at the close of business on the date of such surrender of the certificates representing the shares of Series A Preferred to be converted, and the person entitled to receive the shares of Common Stock

issuable upon such conversion shall be treated for all purposes as the record holder of such shares of Common Stock on such date.

(e) Adjustment for Stock Splits and Combinations. If at any time or from time to time after the date that the first share of Series A Preferred is issued (the "Series A Original Issue Date") the Corporation effects a subdivision of the outstanding Common Stock without a corresponding subdivision of the Preferred Stock, the Series A Preferred Conversion Price in effect immediately before that subdivision shall be proportionately decreased. Conversely, if at any time or from time to time after the Series A Original Issue Date the Corporation combines the outstanding shares of Common Stock into a smaller number of shares without a corresponding combination of the Preferred Stock, the Series A Preferred Conversion Price in effect immediately before the combination shall be proportionately increased. Any adjustment under this Section 4(e) shall become effective at the close of business on the date the subdivision or combination becomes effective.

(f) Adjustment for Common Stock Dividends and Distributions. If at any time or from time to time after the Series A Original Issue Date the Corporation pays a dividend or other distribution in additional shares of Common Stock, the Series A Preferred Conversion Price that is then in effect shall be decreased as of the time of such issuance, as provided below:

(A) The Series A Preferred Conversion Price shall be adjusted by multiplying the Series A Preferred Conversion Price then in effect by a fraction equal to:

(I) the numerator of which is the total number of shares of Common Stock issued and outstanding immediately prior to the time of such issuance, and

(II) the denominator of which is the total number of shares of Common Stock issued and outstanding immediately prior to the time of such issuance plus the number of shares of Common Stock issuable in payment of such dividend or distribution;

(B) If the Corporation fixes a record date to determine which holders of Common Stock are entitled to receive such dividend or other distribution, the Series A Preferred Conversion Price shall be fixed as of the close of business on such record date and the number of shares of Common Stock shall be calculated immediately prior to the close of business on such record date; and

(C) If such record date is fixed and such dividend is not fully paid or if such distribution is not fully made on the date fixed therefor, the Series A Preferred Conversion Price shall be recomputed accordingly as of the close of business on such record date and thereafter the Series A Preferred Conversion Price shall be adjusted pursuant to this Section 4(f) to reflect the actual payment of such dividend or distribution.

(g) Adjustment for Reclassification, Exchange and Substitution. If at any time or from time to time after the Series A Original Issue Date, the Common Stock issuable upon the conversion of the Series A Preferred is changed into the same or a different number of

shares of any class or classes of stock, whether by recapitalization, reclassification or otherwise (other than an Acquisition or Asset Transfer as defined in Section 3 or a subdivision or combination of shares or stock dividend or a reorganization, merger, consolidation or sale of assets provided for elsewhere in this Section 4), in any such event each holder of Series A Preferred shall then have the right to convert such stock into the kind and amount of stock and other securities and property receivable upon such recapitalization, reclassification or other change by holders of the maximum number of shares of Common Stock into which such shares of Series A Preferred could have been converted immediately prior to such recapitalization, reclassification or change, all subject to further adjustment as provided herein or with respect to such other securities or property by the terms thereof.

(h) Reorganizations, Mergers or Consolidations. If at any time or from time to time after the Series A Original Issue Date, there is a capital reorganization of the Common Stock or the merger or consolidation of the Corporation with or into another corporation or another entity or person (other than an Acquisition or Asset Transfer as defined in Section 3 or a recapitalization, subdivision, combination, reclassification, exchange or substitution of shares provided for elsewhere in this Section 4), as a part of such capital reorganization, provision shall be made so that the holders of the Series A Preferred shall thereafter be entitled to receive upon conversion of the Series A Preferred the number of shares of stock or other securities or property of the Corporation to which a holder of the number of shares of Common Stock deliverable upon conversion would have been entitled on such capital reorganization, subject to adjustment in respect of such stock or securities by the terms thereof. 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 Series A Preferred after the capital reorganization to the end that the provisions of this Section 4 (including adjustment of the Series A Preferred Conversion Price then in effect and the number of shares issuable upon conversion of the Series A Preferred) shall be applicable after that event and be as nearly equivalent as practicable.

(i) Sale of Shares Below Series A Preferred Conversion Price.

(A) If at any time or from time to time after the Series A Original Issue Date, the Corporation issues or sells, or is deemed by the express provisions of this Section 4(i) to have issued or sold, Additional Shares of Common Stock (as defined below), other than as a dividend or other distribution on any class of stock as provided in Section 4(f) above, and other than a subdivision or combination of shares of Common Stock as provided in Section 4(e) above, for an Effective Price (as defined below) less than the then effective Series A Preferred Conversion Price, then and in each such case, the then existing Series A Preferred Conversion Price shall be reduced, as of the opening of business on the date of such issue or sale, to a price determined by multiplying the Series A Preferred Conversion Price in effect immediately prior to such issuance or sale by a fraction equal to:

(I) the numerator of which shall be (A) the number of shares of Common Stock deemed outstanding (as defined below) immediately prior to such issue or sale, plus (B) the number of shares of Common Stock which the Aggregate Consideration

received (as defined below) by the Corporation for the total number of Additional Shares of Common Stock so issued would purchase at such Series A Preferred Conversion Price, and

(II) the denominator of which shall be the number of shares of Common Stock deemed outstanding (as defined below) immediately prior to such issue or sale plus the total number of Additional Shares of Common Stock so issued.

(B) For the purposes of the preceding sentence, the number of shares of Common Stock deemed to be outstanding as of a given date shall be the sum of (A) the number of shares of Common Stock outstanding, (B) the number of shares of Common Stock into which the then outstanding shares of Series A Preferred could be converted if fully converted on the day immediately preceding the given date, and (C) the number of shares of Common Stock which could be obtained through the exercise or conversion of all other rights, options and convertible securities outstanding on the day immediately preceding the given date.

(C) No adjustment shall be made to the Series A Preferred Conversion Price in an amount less than one cent per share. Any adjustment otherwise required by this Section 4(i) that is not required to be made due to the preceding sentence shall be included in any subsequent adjustment to the Series A Preferred Conversion Price.

(D) For the purpose of making any adjustment required under this Section 4(i), the aggregate consideration received by the Corporation for any issue or sale of securities (the "Aggregate Consideration") shall be defined as: (A) to the extent it consists of cash, be computed at the net amount of cash received by the Corporation after deduction of any underwriting or similar commissions, compensation or concessions paid or allowed by the Corporation in connection with such issue or sale but without deduction of any expenses payable by the Corporation, (B) to the extent it consists of property other than cash, be computed at the fair value of that property as determined in good faith by the Board of Directors, and (C) if Additional Shares of Common Stock, Convertible Securities (as defined below) or rights or options to purchase either Additional Shares of Common Stock or Convertible Securities are issued or sold together with other stock or securities or other assets of the Corporation for a consideration which covers both, be computed as the portion of the consideration so received that may be reasonably determined in good faith by the Board of Directors to be allocable to such Additional Shares of Common Stock, Convertible Securities or rights or options.

(E) For the purpose of the adjustment required under this Section 4(i), if the Corporation issues or sells (x) stock or other securities convertible into, Additional Shares of Common Stock (such convertible stock or securities being herein referred to as "Convertible Securities") or (y) rights or options for the purchase of Additional Shares of Common Stock or Convertible Securities and if the Effective Price of such Additional Shares of Common Stock is less than the Series A Preferred Conversion Price, in each case the Corporation shall be deemed to have issued at the time of the issuance of such rights or options or Convertible Securities the maximum number of Additional Shares of Common Stock issuable upon exercise or conversion thereof and to have received as consideration for the issuance of such shares an amount equal to the total amount of the consideration, if any, received by the Corporation for the issuance of such rights or options or Convertible Securities plus:

(I) in the case of such rights or options, the minimum amounts of consideration, if any, payable to the Corporation upon the exercise of such rights or options; and

(II) in the case of Convertible Securities, the minimum amounts of consideration, if any, payable to the Corporation upon the conversion thereof (other than by cancellation of liabilities or obligations evidenced by such Convertible Securities); *provided* that if the minimum amounts of such consideration cannot be ascertained, but are a function of antidilution or similar protective clauses, the Corporation shall be deemed to have received the minimum amounts of consideration without reference to such clauses.

(III) if the minimum amount of consideration payable to the Corporation upon the exercise or conversion of rights, options or Convertible Securities is reduced over time or on the occurrence or non-occurrence of specified events other than by reason of antidilution adjustments, the Effective Price shall be recalculated using the figure to which such minimum amount of consideration is reduced; *provided further*, that if the minimum amount of consideration payable to the Corporation upon the exercise or conversion of such rights, options or Convertible Securities is subsequently increased, the Effective Price shall be again recalculated using the increased minimum amount of consideration payable to the Corporation upon the exercise or conversion of such rights, options or Convertible Securities.

(IV) no further adjustment of the Series A Preferred Conversion Price, as adjusted upon the issuance of such rights, options or Convertible Securities, shall be made as a result of the actual issuance of Additional Shares of Common Stock or the exercise of any such rights or options or the conversion of any such Convertible Securities. If any such rights or options or the conversion privilege represented by any such Convertible Securities shall expire without having been exercised, the Series A Preferred Conversion Price as adjusted upon the issuance of such rights, options or Convertible Securities shall be readjusted to the Series A Preferred Conversion Price which would have been in effect had an adjustment been made on the basis that the only Additional Shares of Common Stock so issued were the Additional Shares of Common Stock, if any, actually issued or sold on the exercise of such rights or options or rights of conversion of such Convertible Securities, and such Additional Shares of Common Stock, if any, were issued or sold for the consideration actually received by the Corporation upon such exercise, plus the consideration, if any, actually received by the Corporation for the granting of all such rights or options, whether or not exercised, plus the consideration received for issuing or selling the Convertible Securities actually converted, plus the consideration, if any, actually received by the Corporation (other than by cancellation of liabilities or obligations evidenced by such Convertible Securities) on the conversion of such Convertible Securities, *provided* that such readjustment shall not apply to prior conversions of Series A Preferred.

(F) For the purpose of making any adjustment to the Conversion Price of the Series A Preferred required under this Section 4(i), "Additional Shares of Common Stock" shall mean all shares of Common Stock issued by the Corporation or deemed to be issued pursuant to this Section 4(i) (including shares of Common Stock subsequently reacquired or retired by the Corporation), other than:

(I) options to purchase shares of Common Stock and the Common Stock issued pursuant to such options, warrants or other rights (as adjusted for any stock dividends, combinations, splits, recapitalizations and the like after the filing of this Amended and Restated Certificate of Incorporation) issued or to be issued after the date hereof, pursuant to the Corporation's 2004 Stock Option Plan, under which One Million Three Hundred Thousand (1,300,000) shares of Common Stock are reserved, and the issuance of additional shares to be reserved under the Corporation's 2004 Stock Option Plan, if such increase is approved by the Board of Directors and holders of a majority of the then outstanding shares of the Series A Preferred.

(II) any equity securities issued in an underwritten public offering of Common Stock by the Corporation at a price per share of at least two (2) times the Original Issue Price and net cash proceeds to the Corporation in excess of \$15,000,000 ("Qualified Public Offering");

(III) shares of Common Stock issued in connection with any stock split, stock dividend or recapitalization by the Corporation approved by the Board of Directors;

(IV) shares of Common Stock issued upon conversion of shares of the Corporation's Preferred Stock;

(V) any equity securities issued in connection with acquisition transactions or financial institutions or lessors in connection with commercial credit arrangements, equipment financing, strategic partnering arrangements and the like; provided that such strategic transactions and the issuance of shares therein, have been approved by the Corporation's Board of Directors.

(VI) References to Common Stock in the subsections of this clause (v) above shall mean all shares of Common Stock issued by the Corporation or deemed to be issued pursuant to this Section 4(i). The "Effective Price" of Additional Shares of Common Stock shall mean the quotient determined by dividing the total number of Additional Shares of Common Stock issued or sold, or deemed to have been issued or sold by the Corporation under this Section 4(i), into the Aggregate Consideration received, or deemed to have been received by the Corporation for such issue under this Section 4(i), for such Additional Shares of Common Stock.

(j) **Certificate of Adjustment.** In each case of an adjustment or readjustment of the Series A Preferred Conversion Price for the number of shares of Common Stock or other securities issuable upon conversion of the Series A Preferred, if the Series A Preferred is then convertible pursuant to this Section 4, the Corporation, at its expense, shall compute such adjustment or readjustment in accordance with the provisions hereof and prepare a certificate showing such adjustment or readjustment, and shall mail such certificate, by first class mail, postage prepaid, to each registered holder of Series A Preferred at the holder's address as shown in the Corporation's books. The certificate shall set forth such adjustment or readjustment, showing in detail the facts upon which such adjustment or readjustment is based,

including a statement of (i) the consideration received or deemed to be received by the Corporation for any Additional Shares of Common Stock issued or sold or deemed to have been issued or sold, (ii) the Series A Preferred Conversion Price at the time in effect, (iii) the number of Additional Shares of Common Stock and (iv) the type and amount, if any, of other property which at the time would be received upon conversion of the Series A Preferred.

(k) Notices of Record Date. Upon (i) 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 or other distribution, or (ii) any Acquisition (as defined in Section 3) or other capital reorganization of the Corporation, any reclassification or recapitalization of the capital stock of the Corporation, any merger or consolidation of the Corporation with or into any other corporation, or any Asset Transfer (as defined in Section 3), or any voluntary or involuntary dissolution, liquidation or winding up of the Corporation, the Corporation shall mail to each holder of Series A Preferred at least ten (10) days prior to the record date specified therein (or such shorter period approved by the holders of a majority of the outstanding Series A Preferred) a notice specifying (A) the date on which any such record is to be taken for the purpose of such dividend or distribution and a description of such dividend or distribution, (B) the date on which any such Acquisition, reorganization, reclassification, transfer, consolidation, merger, Asset Transfer, dissolution, liquidation or winding up is expected to become effective, and (C) the date, if any, that is to be fixed as to when the holders of record of Common Stock (or other securities) shall be entitled to exchange their shares of Common Stock (or other securities) for securities or other property deliverable upon such Acquisition, reorganization, reclassification, transfer, consolidation, merger, Asset Transfer, dissolution, liquidation or winding up.

(l) Automatic Conversion.

(A) Each share of Series A Preferred shall automatically be converted into shares of Common Stock, based on the then-effective Series A Preferred Conversion Price, upon (A) the consummation of a Qualified Public Offering; or (B) the date specified by holders of at least a majority of the then outstanding shares of the Series A Preferred. Upon such automatic conversion, any declared and unpaid dividends shall be paid in accordance with the provisions of Section 4(d).

(B) Upon the occurrence of either of the events specified in Section 4(l)(i) above, the outstanding shares of Series A Preferred shall be converted automatically without any further action by the holders of such shares and whether or not the certificates representing such shares are surrendered to the Corporation or its transfer agent; *provided, however,* that the Corporation shall not be obligated to issue certificates evidencing the shares of Common Stock issuable upon such conversion unless the certificates evidencing such shares of Series A Preferred are either delivered to the Corporation or its transfer agent as provided below, or the holder notifies the Corporation or its transfer agent that such certificates have been lost, stolen or destroyed and executes an agreement satisfactory to the Corporation to indemnify the Corporation from any loss incurred by it in connection with such certificates. Upon the occurrence of such automatic conversion of the Series A Preferred, the holders of Series A Preferred shall surrender the certificates representing such shares at the office of the

Corporation or any transfer agent for the Series A Preferred. Thereupon, there shall be issued and delivered to such holder promptly 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 Series A Preferred surrendered were convertible on the date on which such automatic conversion occurred, and any declared and unpaid dividends shall be paid in accordance with the provisions of Section 4(d).

(m) Fractional Shares. No fractional shares of Common Stock shall be issued upon conversion of Series A Preferred. All shares of Common Stock (including fractions thereof) issuable upon conversion of more than one share of Series A Preferred by a holder thereof shall be aggregated for purposes of determining whether the conversion would result in the issuance of any fractional share. If, after the aforementioned aggregation, the conversion would result in the issuance of any fractional share, the Corporation shall, in lieu of issuing any fractional share, pay cash equal to the product of such fraction multiplied by the Common Stock's fair market value (as determined by the Board of Directors) on the date of conversion.

(n) 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 Series A Preferred, 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 Series A Preferred. 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 Series A Preferred, 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 purpose.

(o) Notices. Any notice required by the provisions of this Section 4 shall be in writing and shall be deemed effectively given: (i) upon personal delivery to the party to be notified, (ii) when sent by confirmed electronic mail or facsimile if sent during normal business hours of the recipient; if not, then on the next business day, (iii) five (5) days after having been sent by registered or certified mail, return receipt requested, postage prepaid, or (iv) one (1) day after deposit with a nationally recognized overnight courier, specifying next day delivery, with verification of receipt. All notices shall be addressed to each holder of record at the address of such holder appearing on the books of the Corporation.

(p) Payment of Taxes. The Corporation will pay all taxes (other than taxes based upon income) and other governmental charges that may be imposed with respect to the issue or delivery of shares of Common Stock upon conversion of shares of Series A Preferred, excluding any tax or other charge imposed in connection with any transfer involved in the issue and delivery of shares of Common Stock in a name other than that in which the shares of Series A Preferred so converted were registered.

(q) No Dilution or Impairment. Without the consent of the holders of then outstanding Series A Preferred as required under Section 2(b), the Corporation shall not amend its Amended and Restated Certificate of Incorporation or participate in any

reorganization, transfer of assets, consolidation, merger, dissolution, issue or sale of securities or take any other voluntary action, for the purpose of avoiding or seeking to avoid the observance or performance of any of the terms to be observed or performed hereunder by the Corporation, but shall at all times in good faith assist in carrying out all such action as may be reasonably necessary or appropriate in order to protect the conversion rights of the holders of the Series A Preferred against dilution or other impairment.

V

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

B. The Corporation is authorized to provide indemnification of agents (as defined in Section 317 of the CGCL) for breach of duty to the Corporation and its stockholders through bylaw provisions or through agreements with the agents, or through stockholder resolutions, or otherwise, in excess of the indemnification otherwise permitted by Section 317 of the CGCL, subject, at any time or times that the Corporation is subject to Section 2115(b) of the CGCL, to the limits on such excess indemnification set forth in Section 204 of the CGCL.

C. Any repeal or modification of this Article V shall only be prospective and shall not affect the rights under this Article V in effect at the time of the alleged occurrence of any action or omission to act giving rise to liability.

VI

For the management of the business and for the conduct of the affairs of the Corporation, and in further definition, limitation and regulation of the powers of the Corporation, of its directors and of its stockholders or any class thereof, as the case may be, it is further *provided* that:

D. The management of the business and the conduct of the affairs of the Corporation shall be vested in its Board of Directors. The number of directors which shall constitute the whole Board of Directors shall be fixed by the Board of Directors in the manner provided in the Bylaws, subject to any restrictions which may be set forth in this Amended and Restated Certificate.

E. The Board of Directors is expressly empowered to adopt, amend or repeal the Bylaws of the Corporation. The stockholders shall also have the power to adopt, amend or repeal the Bylaws of the Corporation.

F. The directors of the Corporation need not be elected by written ballot unless the Bylaws so provide.

VII

FOUR: This Second Amended and Restated Certificate of Incorporation has been duly approved by the Board of Directors of the Corporation.

FIVE: This Second Amended and Restated Certificate of Incorporation has been duly adopted in accordance with the provisions of Sections 228, 242 and 245 of the DGCL by the stockholders of the Corporation. The total number of outstanding shares entitled to vote or act by written consent was 349,837 shares of Common Stock and 9,883,713 shares of the Series A Preferred Stock. A majority of the outstanding shares of Common Stock and Series A Preferred Stock, voting together as a single class, approved this Second Amended and Restated Certificate of Incorporation by written consent in accordance with Section 228 of the DGCL and prompt written notice of such was given by the Corporation in accordance with said Section 228 to those stockholders who did not approve this Second Amended and Restated Certificate of Incorporation by written consent.