

**AMENDED AND RESTATED
BYLAWS
OF
SHOCKWAVE MEDICAL, INC.**

ARTICLE 1 OFFICES

Section 1.01. *Registered Office.* The registered office of the Corporation shall be 1209 Orange Street, City of Wilmington, County of New Castle, DE 19801, State of Delaware.

Section 1.02. *Other Offices.* The Corporation may also have offices at such other places both within and without the State of Delaware as the Board of Directors may from time to time determine or the business of the Corporation may require.

Section 1.03. *Books.* The books of the Corporation may be kept within or without the State of Delaware as the Board of Directors may from time to time determine or the business of the Corporation may require.

ARTICLE 2 MEETINGS OF STOCKHOLDERS

Section 2.01. *Time and Place of Meetings.* All meetings of stockholders shall be held at such place, either within or without the State of Delaware, on such date and at such time as may be determined from time to time by the Board of Directors (or the Chairman of the Board of Directors in the absence of a designation by the Board of Directors).

Section 2.02. *Annual Meetings.* An annual meeting of stockholders, commencing with the year 2020, shall be held for the election of directors and to transact such other business as may properly be brought before the meeting.

Section 2.03. *Special Meetings.* Special meetings of the stockholders may be called only by the Chairman of the Board of Directors or by a resolution adopted by a majority of the Board of Directors.

Section 2.04. *Notice of Meetings and Adjourned Meetings; Waivers of Notice.* (a) Whenever stockholders are required or permitted to take any action at a meeting, a written notice of the meeting shall be given which shall state the place, if any, date and hour of the meeting, the means of remote communications, if any, by which stockholders and proxy holders may be deemed to be present in person and vote at such meeting, and, in the case of a special meeting, the purpose or purposes for which the meeting is called. Unless otherwise provided by the General Corporation Law of the State of

Delaware as the same exists or may hereafter be amended from time to time (“**Delaware Law**”), such notice shall be given not fewer than 10 nor more than 60 days before the date of the meeting to each stockholder of record entitled to vote at such meeting. The Board of Directors or the chairman of the meeting may adjourn the meeting to another time or place (whether or not a quorum is present), and notice need not be given of the adjourned meeting if the time, place, if any, and the means of remote communications, if any, by which stockholders and proxy holders may be deemed to be present in person and vote at such meeting, are announced at the meeting at which such adjournment is made. At the adjourned meeting, the Corporation may transact any business that might have been transacted at the original meeting. If the adjournment is for more than 30 days, or after the adjournment a new record date is fixed for the adjourned meeting, a notice of the adjourned meeting shall be given to each stockholder of record entitled to vote at the meeting.

(b) A written waiver of any such notice signed by the person entitled thereto, or a waiver by electronic transmission by the person entitled to notice, whether before or after the time stated therein, shall be deemed equivalent to notice. Attendance of a person at a meeting shall constitute a waiver of notice of such meeting, except when the person attends the meeting for the express purpose of objecting, at the beginning of the meeting, to the transaction of any business because the meeting is not lawfully called or convened. Business transacted at any special meeting of stockholders shall be limited to the purposes stated in the notice.

Section 2.05. *Quorum.* Unless otherwise provided in the Certificate of Incorporation or these Bylaws and subject to Delaware Law, the presence, in person or by proxy, of the holders of a majority of the total voting power of all outstanding securities of the Corporation generally entitled to vote at a meeting of stockholders shall constitute a quorum for the transaction of business. If, however, such quorum shall not be present or represented at any meeting of the stockholders, the chairman of the meeting or a majority in voting interest of the stockholders present in person or represented by proxy may adjourn the meeting, without notice other than announcement at the meeting, until a quorum shall be present or represented. At such adjourned meeting at which a quorum shall be present or represented any business may be transacted that might have been transacted at the meeting as originally notified.

Section 2.06. *Voting.* (a) Unless otherwise provided in the Certificate of Incorporation and subject to Delaware Law, each stockholder shall be entitled to one vote for each outstanding share of capital stock of the Corporation held by such stockholder. Any share of capital stock of the Corporation held by the Corporation shall have no voting rights. Except as otherwise required by law, the Certificate of Incorporation or these Bylaws,

in all matters other than the election of directors, the affirmative vote of the holders of a majority of the votes cast at the meeting on the subject matter shall be the act of the stockholders. Abstentions and broker non-votes shall not be counted as votes cast. Subject to the rights of the holders of any class or series of preferred stock to elect additional directors under specific circumstances, as may be set forth in the certificate of designations for such class or series of preferred stock, directors shall be elected by a plurality of the votes of the shares of capital stock of the Corporation present in person or represented by proxy at the meeting and entitled to vote on the election of directors.

(b) Each stockholder entitled to vote at a meeting of stockholders or to express consent or dissent to a corporate action in writing without a meeting may authorize another person or persons to act for such stockholder by proxy, appointed by an instrument in writing, subscribed by such stockholder or by his attorney thereunto authorized, or by proxy sent by cable, telegram or by any means of electronic communication permitted by law, which results in a writing from such stockholder or by his attorney, and delivered to the secretary of the meeting. No proxy shall be voted after three (3) years from its date, unless said proxy provides for a longer period.

Section 2.07. *Action by Consent.* Subject to the rights of the holders of any class or series of preferred stock then outstanding, as may be set forth in the certificate of designations for such class or series of preferred stock, any action required or permitted to be taken at any annual or special meeting of stockholders may be taken only upon the vote of stockholders at an annual or special meeting duly noticed and called in accordance with Delaware Law and may not be taken by written consent of stockholders without a meeting, unless such consent is unanimous.

Section 2.08. *Organization.* At each meeting of stockholders, the Chairman of the Board of Directors, if one shall have been elected, or in the Chairman's absence or if one shall not have been elected, the director designated by the vote of the majority of the directors present at such meeting, shall act as chairman of the meeting. The Secretary (or in the Secretary's absence or inability to act, the person whom the chairman of the meeting shall appoint secretary of the meeting) shall act as secretary of the meeting and keep the minutes thereof.

Section 2.09. *Order of Business.* The order of business at all meetings of stockholders shall be as determined by the chairman of the meeting.

Section 2.10. *Nomination of Directors and Proposal of Other Business.*

(a) *Annual Meetings of Stockholders.*

(i) Nominations of persons for election to the Board of Directors or the proposal of other business to be transacted by the stockholders at an annual meeting of stockholders may be made only (A) pursuant to the Corporation's notice of meeting (or any supplement thereto), (B) by or at the direction of the Board of Directors or any committee thereof, (C) as may be provided in the certificate of designations for any class or series of preferred stock or (D) by any stockholder of the Corporation who is a stockholder of record at the time of giving of notice provided for in paragraph (ii) of this Section 2.10(a) and at the time of the annual meeting, who shall be entitled to vote at the meeting and who complies with the procedures set forth in this Section 2.10(a), and, except as otherwise required by law, any failure to comply with these procedures shall result in the nullification of such nomination or proposal.

(ii) For nominations or other business to be properly brought before an annual meeting of stockholders by a stockholder pursuant to clause (D) of paragraph (i) of this Section 2.10(a), the stockholder must have given timely notice thereof in writing to the Secretary of the Corporation and any such proposed business (other than the nominations of persons for election to the Board of Directors) must constitute a proper matter for stockholder action. To be timely, a stockholder's notice shall be delivered to, or mailed and received by, the Secretary of the Corporation at the principal executive offices of the Corporation not fewer than 120 days nor more than 180 days prior to the first anniversary of the preceding year's annual meeting of stockholders; *provided, however*, that in the event that the date of the annual meeting is advanced more than 30 days prior to such anniversary date or delayed more than 60 days after such anniversary date then to be timely such notice must be received by the Corporation no earlier than 120 days prior to such annual meeting and no later than the 10th day following the day on which public announcement of the date of the meeting was first made by the Corporation; *provided, however*, that for a stockholder's notice in connection with the election of a director at a special meeting of stockholders to be timely, a stockholder must generally deliver notice not less than 40 nor more than 60 days prior to the date of the special meeting, but in the event that less than 55 days' notice or prior public disclosure of the date of the special meeting of the stockholders is given or made to the stockholders, a stockholder's notice will be timely if received by us not later than the close of business on the 10th day following the day on which a notice of the date of the special meeting was mailed to the stockholders or the public disclosure of that date was made. In no event shall the adjournment or postponement of any meeting, or any announcement thereof,

commence a new time period (or extend any time period) for the giving of a stockholder's notice as described above.

(iii) A stockholder's notice to the Secretary shall set forth (A) as to each person whom the stockholder proposes to nominate for election or reelection as a director: (1) all information relating to such person that is required to be disclosed in solicitations of proxies for election of directors, or is otherwise required, in each case pursuant to Regulation 14A under the Securities Exchange Act of 1934 (as amended (together with the rules and regulations promulgated thereunder), the "**Exchange Act**") including such person's written consent to being named in the proxy statement as a nominee and to serving as a director if elected; and (2) a reasonably detailed description of any compensatory, payment or other financial agreement, arrangement or understanding that such person has with any other person or entity other than the Corporation including the amount of any payment or payments received or receivable thereunder, in each case in connection with candidacy or service as a director of the Corporation (a "**Third-Party Compensation Arrangement**"), (B) as to any other business that the stockholder proposes to bring before the meeting, a brief description of the business desired to be brought before the meeting, the text of the proposal or business (including the text of any resolutions proposed for consideration and in the event that such business includes a proposal to amend these Bylaws, the text of the proposed amendment), the reasons for conducting such business and any material interest in such business of such stockholder and the beneficial owner, if any, on whose behalf the proposal is made and (C) as to the stockholder giving the notice and the beneficial owner, if any, on whose behalf the proposal is made:

(1) the name and address of such stockholder (as they appear on the Corporation's books) and any such beneficial owner;

(2) for each class or series, the number of shares of capital stock of the Corporation that are held of record or are beneficially owned by such stockholder and by any such beneficial owner;

(3) a description of any agreement, arrangement or understanding between or among such stockholder and any such beneficial owner, any of their respective affiliates or associates, and any other person or persons (including their names) in connection with the proposal of such nomination or other business;

(4) a description of any agreement, arrangement or understanding (including, regardless of the form of settlement, any derivative, long or short positions, profit interests, forwards, futures, swaps, options, warrants, convertible securities, stock appreciation or similar rights, hedging transactions and borrowed or loaned shares) that has been entered into by or on behalf of, or any other agreement, arrangement or understanding that has been made, the effect or intent of which is to create or mitigate loss to, manage risk or benefit of share price changes for, or increase or decrease the voting power of, such stockholder or any such beneficial owner or any such nominee with respect to the Corporation's securities;

(5) a representation that the stockholder is a holder of record of stock of the Corporation entitled to vote at such meeting and intends to appear in person or by proxy at the meeting to bring such nomination or other business before the meeting;

(6) a representation as to whether such stockholder or any such beneficial owner intends or is part of a group that intends to (i) deliver a proxy statement and/or form of proxy to holders of at least the percentage of the voting power of the Corporation's outstanding capital stock required to approve or adopt the proposal or to elect each such nominee and/or (ii) otherwise to solicit proxies from stockholders in support of such proposal or nomination;

(7) any other information relating to such stockholder, beneficial owner, if any, or director nominee or proposed business that would be required to be disclosed in a proxy statement or other filing required to be made in connection with the solicitation of proxies in support of such nominee or proposal pursuant to Section 14 of the Exchange Act; and

(8) such other information relating to any proposed item of business as the Corporation may reasonably require to determine whether such proposed item of business is a proper matter for stockholder action.

If requested by the Corporation, the information required under clauses 2.10(a)(iii)(C)(2), (3) and (4) of the preceding sentence of this Section 2.10 shall be supplemented by such stockholder and any such

beneficial owner not later than 10 days after the record date for the meeting to disclose such information as of the record date.

(b) *Special Meetings of Stockholders.* If the election of directors is included as business to be brought before a special meeting in the Corporation's notice of meeting, then nominations of persons for election to the Board of Directors at a special meeting of stockholders may be made by any stockholder who is a stockholder of record at the time of giving of notice provided for in this Section 2.10(b) and at the time of the special meeting, who shall be entitled to vote at the meeting and who complies with the procedures set forth in this Section 2.10(b). For nominations to be properly brought by a stockholder before a special meeting of stockholders pursuant to this Section 2.10(b), the stockholder must have given timely notice thereof in writing to the Secretary of the Corporation. To be timely, a stockholder's notice shall be delivered to or mailed and received at the principal executive offices of the Corporation (A) not earlier than 150 days prior to the date of the special meeting nor (B) later than the later of 120 days prior to the date of the special meeting or the 10th day following the day on which public announcement of the date of the special meeting was first made. A stockholder's notice to the Secretary shall comply with the notice requirements of Section 2.10(a)(iii).

(c) *General.* (i) To be eligible to be a nominee for election as a director, the proposed nominee must provide to the Secretary of the Corporation in accordance with the applicable time periods prescribed for delivery of notice under Section 2.10(a)(i) or Section 2.10(b): (1) a completed D&O questionnaire (in the form provided by the secretary of the Corporation at the request of the nominating stockholder) containing information regarding the nominee's background and qualifications and such other information as may reasonably be required by the Corporation to determine the eligibility of such proposed nominee to serve as a director of the Corporation or to serve as an independent director of the Corporation, (2) a written representation that, unless previously disclosed to the Corporation, the nominee is not and will not become a party to any voting agreement, arrangement or understanding with any person or entity as to how such nominee, if elected as a director, will vote on any issue or that could interfere with such person's ability to comply, if elected as a director, with his/her fiduciary duties under applicable law, (3) a written representation and agreement that, unless previously disclosed to the Corporation pursuant to Section 2.10(a)(iii)(A)(2), the nominee is not and will not become a party to any Third-Party Compensation Arrangement and (4) a written representation that, if elected as a director, such nominee would be in compliance and will continue to comply with the Corporation's corporate governance guidelines as disclosed on the Corporation's website, as amended from time to time. At the request of the Board of Directors, any person nominated by the Board of Directors for election as a director shall

furnish to the Secretary of the Corporation the information that is required to be set forth in a stockholder's notice of nomination that pertains to the nominee.

(ii) No person shall be eligible to be nominated by a stockholder to serve as a director of the Corporation unless nominated in accordance with the procedures set forth in this Section 2.10. No business proposed by a stockholder shall be conducted at a stockholder meeting except in accordance with this Section 2.10

(iii) The chairman of the meeting shall, if the facts warrant, determine and declare to the meeting that a nomination was not made in accordance with the procedures prescribed by these Bylaws or that business was not properly brought before the meeting, and if he/she should so determine, he/she shall so declare to the meeting and the defective nomination shall be disregarded or such business shall not be transacted, as the case may be. Notwithstanding the foregoing provisions of this Section 2.10, unless otherwise required by law, if the stockholder (or a qualified representative of the stockholder) does not appear at the annual or special meeting of stockholders of the Corporation to present a nomination or other proposed business, such nomination shall be disregarded or such proposed business shall not be transacted, as the case may be, notwithstanding that proxies in respect of such vote may have been received by the Corporation and counted for purposes of determining a quorum. For purposes of this Section 2.10, to be considered a qualified representative of the stockholder, a person must be a duly authorized officer, manager or partner of such stockholder or must be authorized by a writing executed by such stockholder or an electronic transmission delivered by such stockholder to act for such stockholder as proxy at the meeting of stockholders and such person must produce such writing or electronic transmission, or a reliable reproduction of the writing or electronic transmission, at the meeting of stockholders.

(iv) Without limiting the foregoing provisions of this Section 2.10, a stockholder shall also comply with all applicable requirements of the Exchange Act with respect to the matters set forth in this Section 2.10; *provided, however*, that any references in these Bylaws to the Exchange Act are not intended to and shall not limit any requirements applicable to nominations or proposals as to any other business to be considered pursuant to this Section 2.10, and compliance with paragraphs (a)(i)(C) and (b) of this Section 2.10 shall be the exclusive means for a stockholder to make nominations or submit other business (other than as provided in Section 2.10(c)(v)).

(v) Notwithstanding anything to the contrary, the notice requirements set forth herein with respect to the proposal of any business pursuant to this Section 2.10 shall be deemed satisfied by a stockholder if such stockholder has submitted a proposal to the Corporation in compliance with Rule 14a-8 under the Exchange Act, and such stockholder's proposal has been included in a proxy statement that has been prepared by the Corporation to solicit proxies for the meeting of stockholders.

ARTICLE 3 DIRECTORS

Section 3.01. *General Powers.* Except as otherwise provided in Delaware Law or the Certificate of Incorporation, the business and affairs of the Corporation shall be managed by or under the direction of the Board of Directors.

Section 3.02. *Number, Election and Term Of Office.* The Board of Directors shall consist of not less than five nor more than nine directors, with the exact number of directors to be determined from time to time solely by resolution adopted by the affirmative vote of a majority of the Board. As set forth in Article 6 of the Certificate of Incorporation, the directors shall be divided into three classes, designated Class I, Class II and Class III. Each class shall consist, as nearly as may be practicable, of one-third of the total number of directors constituting the entire Board of Directors. Except as otherwise provided in the Certificate of Incorporation, each director shall serve for a term ending on the date of the third annual meeting of stockholders next following the annual meeting at which such director was elected. Notwithstanding the foregoing, each director shall hold office until such director's successor shall have been duly elected and qualified or until such director's earlier death, resignation or removal. Directors need not be stockholders.

Section 3.03. *Quorum and Manner of Acting.* Unless the Certificate of Incorporation or these Bylaws require a greater number, a majority of the Board of Directors shall constitute a quorum for the transaction of business at any meeting of the Board of Directors and, except as otherwise expressly required by law or by the Certificate of Incorporation, the act of a majority of the directors present at a meeting at which a quorum is present shall be the act of the Board of Directors. When a meeting is adjourned to another time or place (whether or not a quorum is present), notice need not be given of the adjourned meeting if the time and place thereof are announced at the meeting at which the adjournment is taken. At the adjourned meeting, the Board of Directors may transact any business that might have been transacted at the original meeting. If a quorum shall not be present at any

meeting of the Board of Directors, the directors present thereat shall adjourn the meeting, from time to time, without notice other than announcement at the meeting, until a quorum shall be present.

Section 3.04. *Time and Place of Meetings.* The Board of Directors shall hold its meetings at such place, either within or without the State of Delaware, and at such time as may be determined from time to time by the Board of Directors (or the Chairman of the Board of Directors in the absence of a determination by the Board of Directors).

Section 3.05. *Annual Meeting.* The Board of Directors shall meet for the purpose of organization, the election of officers and the transaction of other business, as soon as practicable after each annual meeting of stockholders, on the same day and at the same place where such annual meeting shall be held. Notice of such meeting need not be given. In the event such annual meeting is not so held, the annual meeting of the Board of Directors may be held at such place either within or without the State of Delaware, on such date and at such time as shall be specified in a notice thereof given as hereinafter provided in Section 3.07 herein or in a waiver of notice thereof signed by any director who chooses to waive the requirement of notice.

Section 3.06. *Regular Meetings.* After the place and time of regular meetings of the Board of Directors shall have been determined and notice thereof shall have been once given to each member of the Board of Directors, regular meetings may be held without further notice being given.

Section 3.07. *Special Meetings.* Special meetings of the Board of Directors may be called by the Chairman of the Board of Directors, the Chief Executive Officer or the President and shall be called by the Chairman of the Board of Directors, Chief Executive Officer, President or the Secretary, on the written request of three directors. Notice of special meetings of the Board of Directors shall be given to each director at least 48 hours before the date of the meeting in such manner as is determined by the Board of Directors.

Section 3.08. *Committees.* The Board of Directors may designate one or more committees, each committee to consist of one or more of the directors of the Corporation. The Board of Directors may designate one or more directors as alternate members of any committee, who may replace any absent or disqualified member at any meeting of the committee. In the absence or disqualification of a member of a committee, the member or members present at any meeting and not disqualified from voting, whether or not such member or members constitute a quorum, may unanimously appoint another member of the Board of Directors to act at the meeting in the place of any such absent or disqualified member. Any such committee, to the extent provided in the resolution of the Board of Directors, shall have and

may exercise all the powers and authority of the Board of Directors in the management of the business and affairs of the Corporation, and may authorize the seal of the Corporation to be affixed to all papers which may require it; but no such committee shall have the power or authority in reference to the following matters: (a) approving or adopting, or recommending to the stockholders, any action or matter expressly required by Delaware Law to be submitted to the stockholders for approval or (b) adopting, amending or repealing any Bylaw of the Corporation. Each committee shall keep regular minutes of its meetings and report the same to the Board of Directors when required.

Section 3.09. *Action by Consent.* Unless otherwise restricted by the Certificate of Incorporation or these Bylaws, any action required or permitted to be taken at any meeting of the Board of Directors or of any committee thereof may be taken without a meeting, if all members of the Board of Directors or committee, as the case may be, consent thereto in writing or by electronic transmission, and the writing or writings or electronic transmission or transmissions, are filed with the minutes of proceedings of the Board of Directors or committee. Such filing shall be in paper form if the minutes are maintained in paper form and shall be in electronic form if the minutes are maintained in electronic form.

Section 3.10. *Telephonic Meetings.* Unless otherwise restricted by the Certificate of Incorporation or these Bylaws, members of the Board of Directors, or any committee designated by the Board of Directors, may participate in a meeting of the Board of Directors, or such committee, as the case may be, by means of conference telephone or other communications equipment by means of which all persons participating in the meeting can hear each other, and such participation in a meeting shall constitute presence in person at the meeting.

Section 3.11. *Resignation.* Any director may resign from the Board of Directors at any time by giving notice to the Board of Directors or to the Secretary of the Corporation. Any such notice must be in writing or by electronic transmission to the Board of Directors or to the Secretary of the Corporation. The resignation of any director shall take effect upon receipt of notice thereof or at such later time as shall be specified in such notice; and unless otherwise specified therein, the acceptance of such resignation shall not be necessary to make it effective.

Section 3.12. *Vacancies.* Unless otherwise provided in the Certificate of Incorporation, vacancies on the Board of Directors resulting from death, resignation, removal or otherwise and newly created directorships resulting from any increase in the number of directors shall, except as otherwise required by law, be filled solely by a majority of the directors then in office (although less than a quorum) or by the sole remaining director, and each

director so elected shall hold office for a term that shall coincide with the term of the Class to which such director shall have been elected. If there are no directors in office, then an election of directors may be held in accordance with Delaware Law. Unless otherwise provided in the Certificate of Incorporation, when one or more directors shall resign from the Board of Directors, effective at a future date, a majority of the directors then in office, including those who have so resigned, shall have the power to fill such vacancy or vacancies, the vote thereon to take effect when such resignation or resignations shall become effective, and each director so chosen shall hold office as provided in the filling of the other vacancies.

Section 3.13. *Removal.* No director may be removed from office by the stockholders except for cause with the affirmative vote of the holders of not less than a majority of the total voting power of all outstanding securities of the corporation generally entitled to vote in the election of directors, voting together as a single class.

Section 3.14. *Compensation.* Unless otherwise restricted by the Certificate of Incorporation or these Bylaws, the Board of Directors shall have authority to fix the compensation of directors, including fees and reimbursement of expenses.

ARTICLE 4 OFFICERS

Section 4.01. *Principal Officers.* The principal officers of the Corporation shall be a Chief Executive Officer, a President, Chief Financial Officer, one or more Vice Presidents and a Secretary who shall have the duty, among other things, to record the proceedings of the meetings of stockholders and directors in a book kept for that purpose. The Corporation may also have such other principal officers, including one or more Controllers, as the Board of Directors may in its discretion appoint. One person may hold the offices and perform the duties of any two or more of said offices, except that no one person shall hold the offices and perform the duties of President and Secretary.

Section 4.02. *Appointment, Term of Office and Remuneration.* The principal officers of the Corporation shall be appointed by the Board of Directors in the manner determined by the Board of Directors. Each such officer shall hold office until his or her successor is appointed, or until his or her earlier death, resignation or removal. The remuneration of all officers of the Corporation shall be fixed by the Board of Directors. Any vacancy in any office shall be filled in such manner as the Board of Directors shall determine.

Section 4.03. *Subordinate Officers.* In addition to the principal officers enumerated in Section 4.01 herein, the Corporation may have one or more Assistant Treasurers, Assistant Secretaries and Assistant Controllers and such other subordinate officers, agents and employees as the Board of Directors may deem necessary, each of whom shall hold office for such period as the Board of Directors may from time to time determine. The Board of Directors may delegate to any principal officer the power to appoint and to remove any such subordinate officers, agents or employees.

Section 4.04. *Removal.* Except as otherwise permitted with respect to subordinate officers, any officer may be removed, with or without cause, at any time, by resolution adopted by the Board of Directors.

Section 4.05. *Resignations.* Any officer may resign at any time by giving notice to the Board of Directors (or to a principal officer if the Board of Directors has delegated to such principal officer the power to appoint and to remove such officer). Any such notice must be in writing. The resignation of any officer shall take effect upon receipt of notice thereof or at such later time as shall be specified in such notice; and unless otherwise specified therein, the acceptance of such resignation shall not be necessary to make it effective.

Section 4.06. *Powers and Duties.* The officers of the Corporation shall have such powers and perform such duties incident to each of their respective offices and such other duties as may from time to time be conferred upon or assigned to them by the Board of Directors.

ARTICLE 5 CAPITAL STOCK

Section 5.01. *Certificates For Stock; Uncertificated Shares.* The shares of the Corporation shall be represented by certificates, provided that the Board of Directors may provide by resolution or resolutions that some or all of any or all classes or series of its stock shall be uncertificated shares or a combination of certificated and uncertificated shares. Any such resolution that shares of a class or series will only be uncertificated shall not apply to shares represented by a certificate until such certificate is surrendered to the Corporation. Except as otherwise required by law, the rights and obligations of the holders of uncertificated shares and the rights and obligations of the holders of shares represented by certificates of the same class and series shall be identical. Every holder of stock represented by certificates shall be entitled to have a certificate signed by, or in the name of the Corporation by the Chairman or Vice Chairman of the Board of Directors, or the Chief Executive Officer, President or Vice President, and by the Chief Financial Officer or a Treasurer or Assistant Treasurer, or the Secretary or an Assistant

Secretary of such Corporation representing the number of shares registered in certificate form. Any or all of the signatures on the certificate may be a facsimile. In case any officer, transfer agent or registrar who has signed or whose facsimile signature has been placed upon a certificate shall have ceased to be such officer, transfer agent or registrar before such certificate is issued, it may be issued by the Corporation with the same effect as if such person were such officer, transfer agent or registrar at the date of issue. A Corporation shall not have power to issue a certificate in bearer form.

Section 5.02. *Transfer Of Shares.* Shares of the stock of the Corporation may be transferred on the record of stockholders of the Corporation by the holder thereof or by such holder's duly authorized attorney upon surrender of a certificate therefor properly endorsed or upon receipt of proper transfer instructions from the registered holder of uncertificated shares or by such holder's duly authorized attorney and upon compliance with appropriate procedures for transferring shares in uncertificated form, unless waived by the Corporation.

Section 5.03. *Authority for Additional Rules Regarding Transfer.* The Board of Directors shall have the power and authority to make all such rules and regulations as they may deem expedient concerning the issue, transfer and registration of certificated or uncertificated shares of the stock of the Corporation, as well as for the issuance of new certificates in lieu of those which may be lost or destroyed, and may require of any stockholder requesting replacement of lost or destroyed certificates, bond in such amount and in such form as they may deem expedient to indemnify the Corporation, and/or the transfer agents, and/or the registrars of its stock against any claims arising in connection therewith.

ARTICLE 6 GENERAL PROVISIONS

Section 6.01. *Fixing the Record Date.* (a) In order that the Corporation may determine the stockholders entitled to notice of any meeting of stockholders or any adjournment thereof, the Board of Directors may fix a record date, which record date shall not precede the date upon which the resolution fixing such record date is adopted by the Board of Directors, and which record date shall not be more than 60 nor fewer than 10 days before the date of such meeting. If the Board of Directors so fixes a date, such date shall also be the record date for determining the stockholders entitled to vote at such meeting unless the Board of Directors determines, at the time it fixes such record date, that a later date on or before the date of the meeting shall be the date for making such determination. If no record date is fixed by the Board of Directors, the record date for determining stockholders entitled to notice of or to vote at a meeting of stockholders shall be at the close of

business on the day next preceding the day on which notice is given, or, if notice is waived, at the close of business on the day next preceding the day on which the meeting is held. A determination of stockholders of record entitled to notice of or to vote at a meeting of stockholders shall apply to any adjournment of the meeting; *provided* that the Board of Directors may in its discretion or as required by law fix a new record date for determination of stockholders entitled to vote at the adjourned meeting, and in such case shall fix the same date or an earlier date as the record date for stockholders entitled to notice of such adjourned meeting.

(b) In order that the Corporation may determine the stockholders entitled to receive payment of any dividend or other distribution or allotment of any rights or the stockholders entitled to exercise any rights in respect of any change, conversion or exchange of stock, or for the purpose of any other lawful action, the Board of Directors may fix a record date, which record date shall not precede the date upon which the resolution fixing the record date is adopted, and which record date shall be not more than 60 days prior to such action. If no record date is fixed, the record date for determining stockholders for any such purpose shall be at the close of business on the day on which the Board of Directors adopts the resolution relating thereto.

Section 6.02. *Dividends.* Subject to limitations contained in Delaware Law and the Certificate of Incorporation, the Board of Directors may declare and pay dividends upon the shares of capital stock of the Corporation, which dividends may be paid either in cash, in property or in shares of the capital stock of the Corporation.

Section 6.03. *Year.* The fiscal year of the Corporation shall commence on January 1 and end on December 31 of each year.

Section 6.04. *Corporate Seal.* The corporate seal shall have inscribed thereon the name of the Corporation, the year of its organization and the words "Corporate Seal, Delaware". The seal may be used by causing it or a facsimile thereof to be impressed, affixed or otherwise reproduced.

Section 6.05. *Voting of Stock Owned by the Corporation.* The Board of Directors may authorize any person, on behalf of the Corporation, to attend, vote at and grant proxies to be used at any meeting of stockholders of any corporation (except this Corporation) in which the Corporation may hold stock.

Section 6.06. *Forum Selection.* Unless the Corporation consents in writing to the selection of an alternative forum, the sole and exclusive forum for (i) any derivative action or proceeding brought on behalf of the Corporation, (ii) any action asserting a claim of breach of a fiduciary duty

owed by any director, officer or other employee of the Corporation to the Corporation or the Corporation's stockholders, (iii) any action asserting a claim arising pursuant to any provision of Delaware Law or the Certificate of Incorporation or these Bylaws (in each case, as they may be amended from time to time), or (iv) any action asserting a claim governed by the internal affairs doctrine shall be a state court located within the state of Delaware (or, if no state court located within the State of Delaware has jurisdiction, the federal district court for the District of Delaware), in all cases subject to the court's having personal jurisdiction over the indispensable parties named as defendants. Unless the Corporation consents in writing to the selection of an alternative forum, the federal district courts of the United States shall be the exclusive forum for the resolution of any complaint asserting a cause of action arising under the Securities Act, in all cases subject to the court's having personal jurisdiction over the indispensable parties named as defendants. Any person or entity purchasing or otherwise acquiring any interest in shares of capital stock of the Corporation shall be deemed to have notice of and consented to the provisions of this Section 6.06.

Section 6.07. *Amendments.* These Bylaws or any of them, may be altered, amended or repealed, or new Bylaws may be made, by the stockholders entitled to vote thereon at any annual or special meeting thereof or by the Board of Directors. Unless a higher percentage is required by the Certificate of Incorporation as to any matter that is the subject of these Bylaws, all such amendments must be approved by the affirmative vote of the holders of not less than 75% of the total voting power of all outstanding securities of the Corporation, generally entitled to vote in the election of directors, voting together as a single class, or by a majority of the Board of Directors. Notwithstanding the foregoing, any alteration, amendment or repeal of, or adoption of any bylaw inconsistent with, any one or more of these bylaws related to special and annual meetings of stockholders, action of stockholders by written consent, classification of the board of directors, nomination of directors, special meetings of directors, removal of directors, committees of the board of directors or indemnification of directors and officers, requires the affirmative vote of either (a) at least 75% of all directors in office at a meeting called for that purpose or (b) approval by the affirmative vote of the holders of not less than 75% of the total voting power of all outstanding securities of the Corporation, generally entitled to vote in the election of directors, voting together as a single class.