

01-13-2003



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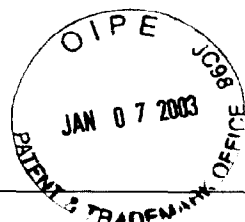
TO THE ASSISTANT COMMISSIONER  
SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

102335386

1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):

- 1. BRUNSWICK BIOMEDICAL CORPORATION
- 2. SURVIVAL TECHNOLOGY, INC.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.

1-7-03



ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED?  YES  NO

2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: MERIDIAN MEDICAL TECHNOLOGIES, INC.

ADDRESS: 10240 Old Columbia Road, Columbia, MD 21046

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED?  YES  NO

3. NATURE OF CONVEYANCE (DOCUMENT):

(Submit herewith only one document for recordation—multiple copies of same Assignment signed by different inventors is one document)

- ASSIGNMENT OF  WHOLE  PART INTEREST
- ORIGINAL  FACSIMILE/PHOTOCOPY
- CHANGE OF NAME  VERIFIED TRANSLATION
- MERGER AND CHANGE OF NAME

EXEC. DATE: November 20, 1996

EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!)

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached?  YES  NO

| A. PAT. APP. NO.(S)<br>series code/serial no | M# | 1 <sup>st</sup> INVENTOR<br>if not in item 1 | B. PATENT NO(S) | M# | 1 <sup>st</sup> INVENTOR<br>if not in item 1 |
|--|----|--|-----------------|----|--|
|  |    |  | 4518384         |    | TARELLO et al.                               |

5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:

Pillsbury Winthrop LLP  
Intellectual Property Group  
P.O. Box 10500 McLean, VA 22102

6. NUMBER INVOLVED:

APPLNS 0 + PATS 29 = TOTAL = 29

7. AMOUNT OF FEE DUE: (Code 581)  
ABOVE TOTAL x \$40 = \$1160

5.5 ATTY DKT:

P 291791

8. PLEASE CHARGE TO OUR DEPOSIT ACCOUNT  
NUMBER: 03-3975

|                         |            |            |
|-------------------------|------------|------------|
| UNDER ORDER NO          | 8306       | 291791     |
| dup. sheet not required | CLIENT NO. | MATTER NO. |

9. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Signature

10. Total number of pages including this cover sheet, attachments and document (do not file dup. Cover sheet)

10

Attorney: Glenn T. Barrett

Reg. No. 38705

Date: January 7, 2003

Atty/Sec: GTB/RSP

TEL: (703) 905-2011

FAX: (703) 905-2500

FILE WITH PTO RETURN RECEIPT (PAT-103A)

01/10/2003 LUMELLER 00000334 033975 4518384

01 FC:8021 1160.00 CH

| 4.5 Continued APPL. NO.(S) OR PAT NO.(S).    |    |  |                 |    |  |
|--|----|--|-----------------|----|--|
| A. PAT. APP. NO.(S)<br>series code/serial no | M# | 1 <sup>st</sup> INVENTOR<br>if not in item 1 | B. PATENT NO(S) | M# | 1 <sup>st</sup> INVENTOR<br>if not in item 1 |
|  |    |  | 4640686         |    | DALLING et al.                               |
|  |    |  | 4645073         |    | HOMAN  |
|  |    |  | 4658830         |    | SARNOFF                                      |
|  |    |  | 4678461         |    | MESA   |
|  |    |  | 4689042         |    | SARNOFF et al.                               |
|  |    |  | 4723937         |    | SARNOFF et al.                               |
|  |    |  | 4755169         |    | SARNOFF et al.                               |
|  |    |  | 4982769         |    | FOURNIER et al.                              |
|  |    |  | 5002930         |    | SARNOFF et al.                               |
|  |    |  | 5036848         |    | HEWSON                                       |
|  |    |  | 5041088         |    | RITSON et al.                                |
|  |    |  | 5078680         |    | SARNOFF                                      |
|  |    |  | 5085641         |    | SARNOFF et al.                               |
|  |    |  | 5085642         |    | SARNOFF et al.                               |
|  |    |  | 5092843         |    | MONROE et al.                                |
|  |    |  | 5102393         |    | SARNOFF et al.                               |
|  |    |  | 5295965         |    | WILMOT                                       |
|  |    |  | 5354286         |    | MESA et al.                                  |
|  |    |  | 5391151         |    | WILMOT                                       |
|  |    |  | 5425715         |    | DALLING et al.                               |
|  |    |  | 5556425         |    | HEWSON et al.                                |
|  |    |  | 5733151         |    | EDSALL et al.                                |
|  |    |  | 5746207         |    | McLAUGHLIN et al.                            |
|  |    |  | 6055448         |    | ANDERSON et al.                              |
|  |    |  | RE32919         |    | SARNOFF                                      |
|  |    |  | Des 330079      |    | DALLING et al.                               |
|  |    |  | Des 332489      |    | DALLING et all                               |
|  |    |  | Des 375789      |    | BRYANT et al.                                |

CHANGE OF CORPORATE NAME

January 7, 2003

**BOX ASSIGNMENTS**

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

This is a request for a change of name showing that on November 20, 1996, Brunswick Biomedical Corporation merged with Survival Technology, Inc. to become Survival Technology, Inc. On the same day, Survival Technology, Inc. changed its name to Meridian Medical Technologies, Inc.

These changes are reflected on the attached Certificate of Merger and Name Change executed by Mr. Jeffrey W. Church on November 10, 1996.

It is respectfully requested that this certificate of merger and name change be recorded against the following instruments:

| <u>Patent No.</u> | <u>Issue Date</u> | <u>Title</u>   |
|-------------------|-------------------|--|
| 4518384           | 05-21-1985        | Multiple Medicament Cartridge Clip and Medicament Discharging Device Therefor  |
| 4640686           | 02-03-1987        | Audible Signal Autoinjector Training Device  |
| 4645073           | 02-24-1987        | Anti-Contamination Hazardous Material Package  |
| 4658830           | 04-21-1987        | Method and Apparatus for Initialing Reperfusion Treatment by an Unattended Individual Undergoing Heart Attack Symptoms |
| 4678461           | 07-07-1987        | Automatic Injector with Improved Glass Container Protector   |
| 4689042           | 08/25/1987        | Automatic Medicament Ingredient Mixing and Injecting Apparatus   |
| 4723937           | 02-09-1988        | Plural Dosage Automatic Injector with a By-Pass Fitment  |
| 4755169           | 07-05-1988        | Automatic Medicament Ingredient Mixing and Injecting Apparatus   |
| 4982769           | 01-08-1991        | Package  |
| 5002930           | 03-26-1991        | Protein Absorption Enhancing Agents  |
| 5036848           | 08-06-1991        | Method and Apparatus For Controlling Breathing Employing Internal and External Electrodes                              |
| 5041088           | 08-20-1991        | Multiple Chamber Automatic Injector  |

| <u>Patent No.</u> | <u>Issue Date</u> | <u>Title</u>  |
|-------------------|-------------------|---|
| 5078680           | 01-07-1992        | Automatic Injector for Emergency Treatment                                  |
| 5085641           | 02-04-1992        | Conveniently Carried Frequent Use Auto-injector with Improved CAP Structure |
| 5085642           | 02-04-1992        | Conveniently Carried Frequent Use Auto-injector                             |
| 5092843           | 03-03-1992        | Improved Dispersion Multichamber Auto-Injector                              |
| 5102393           | 04-07-1992        | Autoinjector Converted From Intramuscular to Subcutaneous Mode of Injection |
| 5295965           | 03-22-1994        | Automatic Injectors   |
| 5354286           | 10-11-1994        | Injection Device Having Polyparaxylyene Coated Container                    |
| 5391151           | 02-21-1995        | Subcutaneous Injector   |
| 5425715           | 06-20-1995        | Reloadable Injector   |
| 5556425           | 09-17-1996        | Esophageal/Stomach Placement Electrode                                      |
| 5733151           | 03-31-1998        | Electrical Clamping Connection Device                                       |
| 5746207           | 05-05-1998        | Profiled Biosignal Electrode Device   |
| 6055448           | 04-25-2000        | Sensor Device   |
| RE32919           | 05-09-1989        | Method of Enhancing the Effect of T-PA                                      |
| Des 330079        | 10-6-1992         | Auto-Injector for Liquid Medicate   |
| Des 332489        | 01-12-1993        | Cap for Automatic Injector  |
| Des 375789        | 11-19-1996        | Design for Variable Dose, Reloadable Auto-Injector                          |

Respectfully submitted,

PILLSBURY WINTHROP LLP

By: 

Glenn T. Barrett

Reg. No. 38705

Tel. No. (703) 905-2011

Fax No. (703) 905-2500

P.O. BOX 10500  
McLean, Virginia 22102  
(703) 905-2000

State of Delaware

Office of the Secretary of State

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"BRUNSWICK BIOMEDICAL CORPORATION", A MASSACHUSETTS CORPORATION,

WITH AND INTO "SURVIVAL TECHNOLOGY, INC." UNDER THE NAME OF "SURVIVAL TECHNOLOGY, INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTIETH DAY OF NOVEMBER, A.D. 1996, AT 2:30 O'CLOCK P.M.

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



*Edward J. Freel*

Edward J. Freel, Secretary of State

0724710 8100M  
960339608

AUTHENTICATION: 8202134  
DATE: 11-20-96  
PATENT  
REEL: 8366 FRAME: 0802

PATENT  
REEL: 013634 FRAME: 0519

CERTIFICATE OF MERGER  
OF  
BRUNSWICK BIOMEDICAL CORPORATION  
WITH AND INTO  
SURVIVAL TECHNOLOGY, INC.

The undersigned corporation DOES HEREBY CERTIFY:

FIRST: That the name and state of incorporation of each of the constituent corporations of the merger is as follows:

| <u>Name</u>                      | <u>State of<br/>Incorporation</u> |
|----------------------------------|-----------------------------------|
| Survival Technology, Inc.        | Delaware                          |
| Brunswick Biomedical Corporation | Massachusetts                     |

SECOND: That an Agreement and Plan of Merger has been approved, adopted, certified, executed and acknowledged by each of the constituent corporations in accordance with the requirements of subsection (c) of section 252 of the General Corporation Law of the State of Delaware.

THIRD: That the name of the surviving corporation of the merger is Survival Technology, Inc.

FOURTH: That the First Amended and Restated Certificate of Incorporation of Survival Technology, Inc., which is attached hereto as Exhibit A, shall amend and restate the Certificate of Incorporation of Survival Technology, Inc. and shall be the Certificate of Incorporation of the surviving corporation.

FIFTH: That the executed Agreement and Plan of Merger is on file at the principal place of business of the surviving corporation. The address of said principal place of business is 2275 Research Boulevard, Suite #100, Rockville, Maryland, 20850.

SIXTH: That a copy of the Agreement and Plan of Merger will be furnished by the surviving corporation, on request and without cost, to any stockholder of any constituent corporation.

PATENT  
REEL: 8366 FRAME: 0803

PATENT  
REEL: 013634 FRAME: 0520

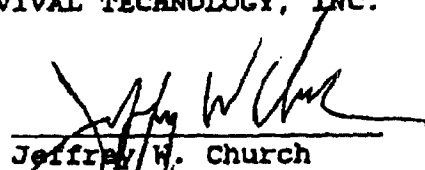
SEVENTH: That the authorized capital stock of Brunswick Biomedical Corporation is 1,903,000 shares of common stock, \$0.01 par value per share, 72,000 shares of Class A Common Stock, and 1,400,000 shares of preferred stock, \$0.01 par value per share.

EIGHTH: That this Certificate of Merger is to become effective on November 20, 1996 at 3:00 pm.

DATED: November 20, 1996

SURVIVAL TECHNOLOGY, INC.

By:

  
Jeffrey W. Church  
Senior Vice President-Finance  
and Chief Financial Officer

PATENT

REEL: 8366 FRAME: 0804

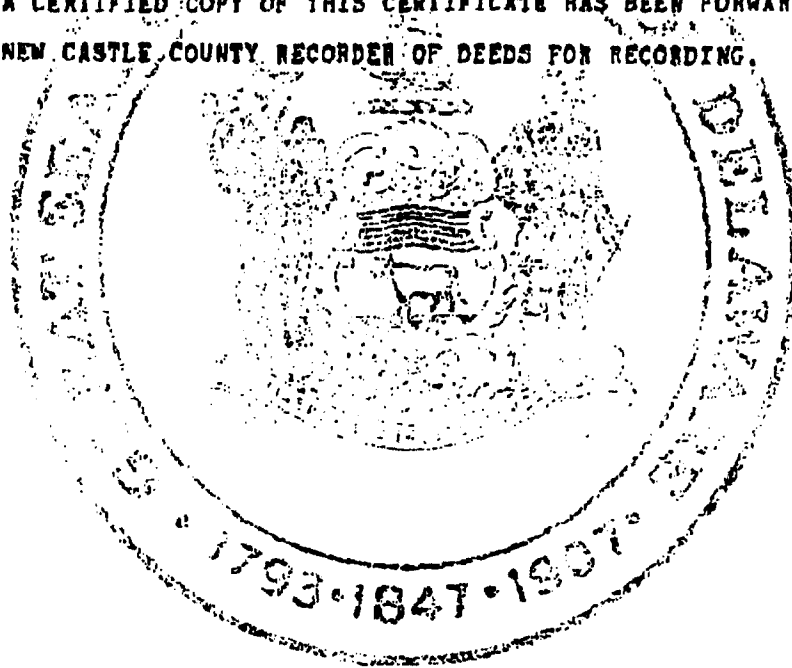
PATENT

REEL: 013634 FRAME: 0521

*State of Delaware*  
*Office of the Secretary of State*

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "SURVIVAL TECHNOLOGY, INC.", CHANGING ITS NAME FROM "SURVIVAL TECHNOLOGY, INC." TO "MERIDIAN MEDICAL TECHNOLOGIES, INC.", FILED IN THIS OFFICE ON THE TWENTIETH DAY OF NOVEMBER, A.D. 1996, AT 4 O'CLOCK P.M.

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



*Edward J. Freel*

*Edward J. Freel, Secretary of State*

0724710 8100  
960330850

AUTHENTICATION: 8203274  
DATE: 11-21-96

PATENT  
REEL: 8366 FRAME: 0805

PATENT  
REEL: 013634 FRAME: 0522



STATE OF DELAWARE  
SECRETARY OF STATE  
DIVISION OF CORPORATIONS  
FILED 04:00 PM 12/20/1986  
340339850 - 6724716

**SURVIVAL TECHNOLOGY, INC.**

**CERTIFICATE OF AMENDMENT  
OF  
FIRST AMENDED AND RESTATED  
CERTIFICATE OF INCORPORATION**

**SURVIVAL TECHNOLOGY, INC., a corporation duly organized and existing under the General Corporation Law of the State of Delaware (the "Corporation"), DOES HEREBY CERTIFY AS FOLLOWS:**

**FIRST:** The Board of Directors of the Corporation, by unanimous written consent, in accordance with Section 141(f) of the General Corporation Law of the State of Delaware, duly adopted a resolution in accordance with Section 242 of the General Corporation Law of the State of Delaware proposing, declaring advisable and recommending an amendment to the First Amended and Restated Certificate of Incorporation of the Corporation. The resolution setting forth the proposed amendment is as follows:

**NOW THEREFORE  
BE IT**

**RESOLVED:**

That the Board of Directors of the Corporation hereby proposes and declares advisable that, assuming Brunswick Biomedical Corporation merges with and into the Corporation, then immediately after the effective time of such merger Article I of the First Amended and Restated Certificate of Incorporation of the Corporation be amended so that it shall read:

**ARTICLE I  
NAME**

The name of the Corporation is Meridian Medical Technologies, Inc. (the "Corporation").

**SECOND:** That the annual meeting of the stockholders of the Corporation was duly called and held, upon notice in accordance with Section 222 of the General Corporation Law of the state of Delaware at which meeting the necessary number of shares were voted in favor of said amendment.

**PATENT  
REEL: 8366 FRAME: 0806**

**PATENT  
REEL: 013634 FRAME: 0523**


THIRD: The aforesaid amendment was duly adopted in accordance with the applicable provisions of Section 242 of the General Corporation Law of the State of Delaware.

FOURTH: This certificate of amendment is to become effective at 4:00 p.m. on November 20, 1996.

IN WITNESS WHEREOF, the undersigned, SURVIVAL TECHNOLOGY, INC., has caused this Certificate of Amendment of First Amended and Restated Certificate of Incorporation to be executed on its behalf by its Chief Financial Officer and Senior Vice President - Finance, and attested by its Assistant Secretary as of this 20th day of November, 1996.

SURVIVAL TECHNOLOGY, INC.

By:

  
Jeffrey W. Church  
Chief Financial Officer  
and Senior Vice President -  
Finance

Attest:

  
J. Chonelle Woodward  
Assistant Secretary

PATENT

RECORDED: 02/28/1997

REEL: 8366 FRAME: 0807

RECORDED: 01/07/2003

PATENT  
REEL: 013634 FRAME: 0524