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| PATENT ASSIGNMENT COVER SHEET |
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Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4039505

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|------------------------------|----------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | MERGER |
| EFFECTIVE DATE: | 09/14/2000 |

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------------|----------------|
| LIFE TECHNOLOGIES, INC. | 09/13/2000 |

RECEIVING PARTY DATA

| | |
|------------------------|------------------------|
| Name: | INVITROGEN CORPORATION |
| Street Address: | 5791 VAN ALLEN WAY |
| City: | CARLSBAD |
| State/Country: | CALIFORNIA |
| Postal Code: | 92008 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|----------------------------|----------|
| Application Number: | 14522505 |

CORRESPONDENCE DATA

Fax Number: (760)476-6048

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: (760)603-7200

Email: lifetechdocket@system.foundationip.com

Correspondent Name: LIFE TECHNOLOGIES CORPORATION

Address Line 1: ATTN: IP LEGAL DEPARTMENT

Address Line 2: 5823 NEWTON DRIVE

Address Line 4: CARLSBAD, CALIFORNIA 92008

| | |
|--------------------------------|------------------|
| ATTORNEY DOCKET NUMBER: | IVGN 173.8 CON |
| NAME OF SUBMITTER: | GRACIE SEGOVIA |
| SIGNATURE: | /Gracie Segovia/ |
| DATE SIGNED: | 09/06/2016 |

Total Attachments: 4

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Delaware

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The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED ARE TRUE AND CORRECT COPIES OF ALL DOCUMENTS ON FILE OF "LIFE TECHNOLOGIES, INC." AS RECEIVED AND FILED IN THIS OFFICE.

THE FOLLOWING DOCUMENTS HAVE BEEN CERTIFIED:

CERTIFICATE OF INCORPORATION, FILED THE FIFTEENTH DAY OF MAY, A.D. 1986, AT 10 O'CLOCK A.M.

CERTIFICATE OF AGREEMENT OF MERGER, FILED THE TWENTY-FOURTH DAY OF JUNE, A.D. 1986, AT 10:30 O'CLOCK A.M.

CERTIFICATE OF AMENDMENT, FILED THE TWENTY-FOURTH DAY OF APRIL, A.D. 1987, AT 10 O'CLOCK A.M.

CERTIFICATE OF AMENDMENT, FILED THE FIFTEENTH DAY OF APRIL, A.D. 1998, AT 12:30 O'CLOCK P.M.

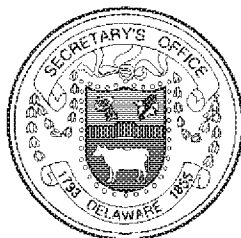
CERTIFICATE OF MERGER, FILED THE THIRTEENTH DAY OF SEPTEMBER, A.D. 2000, AT 4:30 O'CLOCK P.M.


AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF MERGER IS THE FOURTEENTH DAY OF SEPTEMBER, A.D. 2000, AT 3 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE AFORESAID CERTIFICATES ARE THE ONLY CERTIFICATES ON RECORD OF THE

2091112 8100H

090355292




Jeffrey W. Bullock, Secretary of State
AUTHENTICATION: 7241149

DATE: 04-13-09

You may verify this certificate online
at corp.delaware.gov/authver.shtml

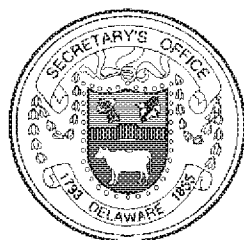
PATENT
REEL: 039642 FRAME: 0527

Delaware

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The First State


AFORESAID CORPORATION, "LIFE TECHNOLOGIES, INC."



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090355292

You may verify this certificate online
at corp.delaware.gov/authver.shtml


Jeffrey W. Bullock, Secretary of State
AUTHENTICATION: 7241149

DATE: 04-13-09

PATENT
REEL: 039642 FRAME: 0528

**CERTIFICATE OF MERGER
MERGING
LIFE TECHNOLOGIES, INC.
INTO
INVITROGEN CORPORATION**

Pursuant to Section 251 of the
General Corporation Law of Delaware

The undersigned corporation, organized and existing under and by virtue of the General Corporation Law of the State of Delaware, 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 Incorporation</u> |
|-------------------------|-------------------------------|
| Life Technologies, Inc. | Delaware |
| Invitrogen Corporation | Delaware |

SECOND: That an agreement and plan of merger between the parties to the merger has been approved, adopted, certified, executed and acknowledged by each of the constituent corporations in accordance with the requirements of Section 251 of the General Corporation Law of the State of Delaware.

THIRD: That Invitrogen Corporation, a Delaware corporation, shall be the surviving corporation of the merger and its certificate of incorporation shall be the certificate of incorporation of the surviving corporation.

FOURTH: That the executed agreement and plan of merger is on file at the principal place of business of the surviving corporation. The address of the principal place of business of the surviving corporation is 1600 Faraday Avenue, Carlsbad, CA 92008.

FIFTH: 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.

(Remainder of Page Intentionally Left Blank)

SIXTH: That this Certificate of Merger shall be effective at 3:00 p.m. on
September 14, 2000.


Dated: September 13, 2000

Invitrogen Corporation,
a Delaware corporation

By: 

Lyle C. Turner
President and CEO

ATTEST:


James R. Glynn
Executive V.P. and CFO