

06-17-2003



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Form PTO-1595
(Rev. 03/01)

OMB No. 0651-0027 (exp. 5/31/2002)

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof

1. Name of conveying party(ies):
(a) Youssef M. Habib; (b) John G. Bryan; (c) Charles W. Stoll, Jr.; and (d) John W. Steinbeck, Ph.D.

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: Burle Technologies, Inc.

Internal Address: _____

Street Address: _____

115 Hurley Road
Building 3

City: Oxford

State: CT Zip: 06478

Additional name(s) & address(es) attached: Yes No

3. Nature of Conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: (a) 6/5/2003; (b) 3/25/2003; (c) 4/2/2003; and (d) 3/20/2003

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the new application is: _____

A. Patent Application No.(s):
10/293,014

B. Patent No.(s): _____

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Marcus J. Millet
LERNER, DAVID, LITTENBERG, KRUMHOLZ &
MENTLIK, LLP

Street Address: 600 South Avenue West

City: Westfield State: NJ Zip: 07090

6. Total number of applications and patents involved: _____

7. Total fee (37 CFR 3.41) \$ 40.00

Enclosed
 Authorized to be charged to deposit account
 Authorized to be charged to credit card
(Form 2038 enclosed)

8. Deposit account number: _____

12-1095

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

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.

Marcus J. Millet

Name of Person Signing

Signature

June 11, 2003

Date

Total number of pages including cover sheet, attachments, and documents: 5

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06/17/2003 ECOOPER 00000040 121095 10293014

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**PATENT
REEL: 014163 FRAME: 0872**

ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

NANO 3.0-011

Whereas, I, Dr. Youssef M. Habib of
627 Conestoga Boulevard, Lancaster, Pennsylvania 17601

hereafter referred to as assignor, have with others invented certain new and useful improvements in
PHOTOCATHODE

- for which an application for a United States Letters Patent was filed on November 13, 2002
Application Number 10/293,014
- for which an application for a United States Letters Patent was executed by me on _____,
and

Whereas, Burle Technologies, Inc.
a corporation of Delaware herein referred to as "assignee" whose mailing address is
115 Hurley Road, Building 3, Oxford, Connecticut 06478
is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

I, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application No. 60/351,308, filed November 13, 2001, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 60/351,308 pursuant to any law or treaty in the countries of the world.

June 5 2003

(Date)

(Signature)

State of PA Pennsylvania) SS:
County of Lancaster)

On this 5 day of June, 2003 before me personally came the above-named Dr. Youssef M. Habib, to me personally known as the individual who executed the foregoing instrument, who acknowledged to me that the same was executed by him/her of his/her own free will for the purposes therein set forth.

Deborah A. Krushinski
(Notary Public)

*Total of 4 forms are submitted.

420375_1.DOC

DEBORAH A. KRUSHINSKI, NOTARY PUBLIC
EAST LAMPETER TWP. LANCASTER COUNTY, PA
MY COMMISSION EXPIRES MARCH 5, 2006

PATENT
REEL: 014163 FRAME: 0873

ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

NANO 3.0-011

Whereas, I, John G. Bryan of
320 Allen Street, Middletown, Pennsylvania 17057

hereafter referred to as assignor, have with others invented certain new and useful improvements in
PHOTOCATHODE

for which an application for a United States Letters Patent was filed on November 13, 2002
 Application Number 10/293,014

for which an application for a United States Letters Patent was executed by me on _____,
 and

Whereas, Burle Technologies, Inc.
 a corporation of Delaware herein referred to as "assignee" whose mailing address is
115 Hurley Road, Building 3, Oxford, Connecticut 06478

is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

I, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application No. 60/351,308, filed November 13, 2001, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 60/351,308 pursuant to any law or treaty in the countries of the world.

3/25/03
 (Date)

John G. Bryan
 (Signature)

State of Pennsylvania) SS:
 County of Dauphin)

On this 25 day of March 2003 before me personally came the above-named John G. Bryan, to me personally known as the individual who executed the foregoing instrument, who acknowledged to me that the same was executed by him/her of his/her own free will for the purposes therein set forth.

Mille Crum
 (Notary Public)

*Total of 4 forms are submitted.

Notarial Seal
 Mille Crum, Notary Public
 Middletown Boro, Dauphin County
 My Commission Expires Oct. 3, 2006
 Member, Pennsylvania Association Of Notaries

ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

NANO 3.0-011

Whereas, I, Charles W. Stoll, Jr. of 390 Caraway Drive, Mountville, Pennsylvania 17554

hereafter referred to as assignor, have with others invented certain new and useful improvements in PHOTOCATHODE

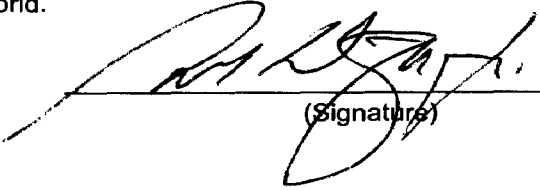
- for which an application for a United States Letters Patent was filed on November 13, 2002
Application Number 10/293,014
- for which an application for a United States Letters Patent was executed by me on _____, and

Whereas, Burle Technologies, Inc.
a corporation of Delaware herein referred to as "assignee" whose mailing address is 115 Hurley Road, Building 3, Oxford, Connecticut 06478
is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.


I, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application No. 60/351,308, filed November 13, 2001, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 60/351,308 pursuant to any law or treaty in the countries of the world.

4-2-03
(Date)

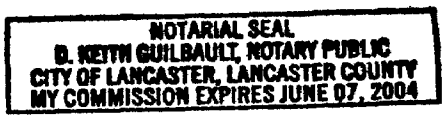

(Signature)

State of PA) SS:
County of LANCASTER)

On this 2nd day of April, 2003 before me personally came the above-named Charles W. Stoll, Jr., to me personally known as the individual who executed the foregoing instrument, who acknowledged to me that the same was executed by him/her of his/her own free will for the purposes therein set forth.


(Notary Public)

*Total of 4 forms are submitted.



ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

NANO 3.0-011

Whereas, I, Dr. John W. Steinbeck of 83 Westminster Drive, Fitzwilliam, New Hampshire 03447

hereafter referred to as assignor, have with others invented certain new and useful improvements in PHOTOCATHODE

for which an application for a United States Letters Patent was filed on November 13, 2002
Application Number 10/293,014

for which an application for a United States Letters Patent was executed by me on _____, and

Whereas, Burle Technologies, Inc.
a corporation of Delaware herein referred to as "assignee" whose mailing address is 115 Hurley Road, Building 3, Oxford, Connecticut 06478
is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

I, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application No. 06/351,308, filed November 13, 2001, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 06/351,308 pursuant to any law or treaty in the countries of the world.

20 mar 03
(Date)

John W. Steinbeck
(Signature)

State of New Hampshire) SS:
County of Cheshire)

On this 20 day of March, 2003 before me personally came the above-named Dr. John W. Steinbeck, to me personally known as the individual who executed the foregoing instrument, who acknowledged to me that the same was executed by him/her of his/her own free will for the purposes therein set forth.

Lisa D. Robie
(Notary Public)

LISA D. ROBIE, Notary Public
My Commission Expires March 6, 2007

*Total of 4 forms are submitted.