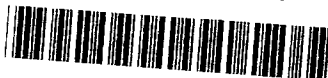


REC

10-27-2004



102868643

Atty Ref/Docket No.: 1939.047US1

Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks

filed original documents or copy thereof.

1. Name of conveying party(ies):

Scott Lerner, James W. Ring, Anurag Gupta and Franc Potekev

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

3. Nature of conveyance:

- [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other

Execution Date: September 17, 2004, September 17, 2004, September 22, 2004, October 18, 2004

2. Name and address of receiving party(ies):

Name: Hewlett-Packard Development Company, L.P.

Street Address: 20555 SH 249

City: Houston State: TX Zip: 77070

Additional name(s) & address(es) attached? []Yes [X]No

10-20-04

10969649



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

If this document is being filed together with a new application, the execution date of the application is: September 17, 2004, September 17, 2004, September 22, 2004, October 15, 2004, 09/17/2004, 09/17/2004, 09/22/2004, 10/15/2004

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? []Yes [X]No

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

Name: Bradley A. Forrest

Address: Schwegman, Lundberg, Woessner & Kluth, P.A. P.O. Box 2938 Minneapolis, MN 55402

6. Total number of applications and patents involved: 1

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

- []Enclosed [X]Authorized to be charged to deposit account

8. Please charge any additional fees or credit any over payments to our Deposit account number:19-0743

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.

Bradley A. Forrest/Reg. No. 30,837 Name of Person Signing

Signature: [Handwritten Signature] Date: 10/20/2004

10/27/2004 6TOM11 00000101 190743 10969649 01 FC:8021 40.00 DA

Total number of pages including cover sheet: 15

Mail documents to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

ASSIGNMENT

WHEREAS, We, Scott Lerner, residing at 4607 NW Acacia Drive, Corvallis, OR 97330, and James W. Ring, residing at 21466 Highway 20, Blodgett, OR 97326, and Anurag Gupta, residing at 3200 SE Midvale Drive, Apt. A104, Corvallis, OR 97333, and Franz Potekev, residing at 4859 NW Dunbeck Avenue, Albany, OR 97321, made certain new and useful inventions and improvements for which we executed an application for Letters Patent of the United States on even date herewith, which is entitled LIGHT MODULATORS;

AND WHEREAS, Hewlett-Packard Development Company, L.P., a corporation organized and existing under and by virtue of the laws of the State of Texas, and having an office and place of business at 20555 SH 249, Houston, TX 77070 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

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AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 17 day of September, 2004.

Scott Lerner

Scott Lerner

STATE OF OK)
)ss
COUNTY OF Benton)

On this _____ day of _____, 2004 before me personally appeared Scott Lerner, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL] _____
Notary Public

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IN TESTIMONY WHEREOF, I have hereunto set my hand this 17 day of September, 2004.

James W. Ring
James W. Ring

STATE OF Oregon Benton (R.)
)ss
COUNTY OF Benton)

On this _____ day of _____, 2004 before me personally appeared James W. Ring, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Notary Public

ASSIGNMENT

WHEREAS, We, Scott Lerner, residing at 4607 NW Acacia Drive, Corvallis, OR 97330, and James W. Ring, residing at 21466 Highway 20, Blodgett, OR 97326, and Anurag Gupta, residing at 3200 SE Midvale Drive, Apt. A104, Corvallis, OR 97333, and Franc Potekev, residing at 4859 NW Dunbeck Avenue, Albany, OR 97321, made certain new and useful inventions and improvements for which we executed an application for Letters Patent of the United States on even date herewith, which is entitled LIGHT MODULATORS;

AND WHEREAS, Hewlett-Packard Development Company, L.P., a corporation organized and existing under and by virtue of the laws of the State of Texas, and having an office and place of business at 20555 SH 249, Houston, TX 77070 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2004.

Scott Lerner

STATE OF _____)
)ss
COUNTY OF _____)

On this _____ day of _____, 2004 before me personally appeared Scott Lerner, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL] _____
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of
_____, 2004.

James W. Ring

STATE OF _____)
)ss
COUNTY OF _____)

On this _____ day of _____, 2004 before me personally appeared James W. Ring, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 09/22/04 day of

Sept, 2004.

Anurag Gupta

Anurag Gupta

STATE OF _____)

)ss

COUNTY OF _____)

On this _____ day of _____, 2004 before me personally appeared Anurag Gupta, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of
_____, 2004.

Franc Potekev

STATE OF _____)

)ss

COUNTY OF _____)

On this _____ day of _____, 2004 before me personally appeared Franc Potekev,
to me known and known to me to be the person described in and who executed the foregoing instrument,
and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set
forth.

[SEAL]

Notary Public

ASSIGNMENT

WHEREAS, We, Scott Lerner, residing at 4607 NW Acacia Drive, Corvallis, OR 97330, and James W. Ring, residing at 21466 Highway 20, Blodgett, OR 97326, and Anurag Gupta, residing at 3200 SE Midvale Drive, Apt. A104, Corvallis, OR 97333, and Franc Potekev, residing at 4859 NW Dunbeck Avenue, Albany, OR 97321, made certain new and useful inventions and improvements for which we executed an application for Letters Patent of the United States on even date herewith, which is entitled LIGHT MODULATORS;

AND WHEREAS, Hewlett-Packard Development Company, L.P., a corporation organized and existing under and by virtue of the laws of the State of Texas, and having an office and place of business at 20555 SH 249, Houston, TX 77070 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

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IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2004.

James W. Ring

STATE OF _____)

)ss

COUNTY OF _____)

On this _____ day of _____, 2004 before me personally appeared James W. Ring, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Notary Public

Docket No: 1939.047US1
Serial Number : Not Assigned
Filing Date : even date herewith
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IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2004.

Anurag Gupta

STATE OF _____)

)ss

COUNTY OF _____)

On this _____ day of _____, 2004 before me personally appeared Anurag Gupta, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Notary Public

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Filing Date : even date herewith
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IN TESTIMONY WHEREOF, I have hereunto set my hand this 18 day of October, 2004.

Franc Potekev

Franc Potekev

STATE OF Oregon)
)ss
COUNTY OF Benton)

On this 18th day of October, 2004 before me personally appeared Franc Potekev, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]



Teresa K. Tuma

Notary Public