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04-23-2003

Form PTO-1595 (Rev. 10/02) OMB No. 0651-0027 (exp. 6/30/2005) Tab settings ⇌ ⇌ ⇌ ▼ ▼ ▼ ▼		RECORDATION F PATE		 102427977		DEPARTMENT OF COMMERCE 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): Yasuyuki Shirato Hideki Kowata Akira Shigeeda Akihiko Ohta Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				2. Name and address of receiving party(ies) Name: NANOX CORPORATION Internal Address: _____ _____ Street Address: 6-7, Aza Nagasone, Okajima, Fukushima-shi, Fukushima 960-8201 JAPAN _____ City: _____ State: _____ Zip: _____ Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: 02/19/2003 and 02/17/2003							
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: 04/10/2003 A. Patent Application No.(s) _____ 10412389 B. Patent No.(s) _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Otto O. Lee Internal Address: _____ Intellectual Property Law Group LLP _____ Street Address: 12 South First Street Suite 1205 City: San Jose State: CA Zip: 95113				6. Total number of applications and patents involved: 01 7. Total fee (37 CFR 3.41).....\$ 40.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: 50-1037			
DO NOT USE THIS SPACE							
9. Signature. <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div> Juneko Jackson Name of Person Signing </div> <div>  Signature </div> <div> 04/10/2003 Date </div> </div> <div style="text-align: right; margin-top: 10px;"> Total number of pages including cover sheet, attachments, and documents: 05 </div>							

Mail documents to be recorded with required cover sheet information to:
 Commissioner of Patents & Trademarks, Box Assignments
 Washington, D.C. 20231

04/15/2003 HDENESS1 00000035 10412389

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PATENT
REEL: 013975 FRAME: 0985

ASSIGNMENT

WHEREAS, Yasuyuki SHIRATO of c/o NANOX CORPORATION, 6-7, Aza Nagasone, Okajima, Fukushima-shi, Fukushima 960-8201 Japan, (hereinafter referred to as "ASSIGNOR"), is the owner of application for United States Letters Patent, Application No. _____, filed on _____ for the invention entitled "LIQUID CRYSTAL DISPLAY DEVICE AND METHOD FOR MANUFACTURING THE SAME"; and is the owner of all rights, title and interest in and to the invention illustrated, described and claimed in said application for Letters Patent.

WHEREAS, NANOX CORPORATION, a corporation organized and existing under the laws of the _____, having its principal place of business at 6-7, Aza Nagasone, Okajima, Fukushima-shi, Fukushima 960-8201 Japan (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring my entire right, title and interest in and to the invention and said application for Letters Patent;

NOW THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, said **ASSIGNOR**, has sold, assigned and set over, and by these presents does hereby sell, assign and set over unto the said **ASSIGNEE**, its legal representatives, successors and assigns, its entire rights, title and interest in and to said application to United States Letters Patent, and the invention disclosed, described or claimed in said application to Letters Patent, together with all divisions, reissues, continuations and extensions thereof, and any and all rights of recovery for past infringement of said application to Letters Patent.

I also hereby sell and assign to said **ASSIGNEE**, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said application for patent and any applications throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and

I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in **ASSIGNEE**, its successors, assigns and legal representatives.

I hereby further agree that I will communicate to said **ASSIGNEE**, or its successors, assigns and legal representatives, any facts known to me respecting any improvements; and, at the expense of said **ASSIGNEE**, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make all lawful oaths, and generally do everything possible to vest title in said **ASSIGNEE** and to aid said **ASSIGNEE**, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 19th day of

Feb., 2003.

Yasuyuki Shirato
Yasuyuki SHIRATO

STATE OF _____)
) ss.
COUNTY OF _____)

On this _____ day of _____, 2003, before me, a Notary Public in and for the State and County aforesaid, personally appeared _____, known by me to be the person of the above name who signed and sealed the foregoing instrument, and acknowledged the same to be his own free act and deed.

seal)

Notary Public

ASSIGNMENT

WHEREAS, Hideki KOWATA of c/o NANOX CORPORATION, 6-7, Aza Nagasone, Okajima, Fukushima-shi, Fukushima 960-8201 Japan, (hereinafter referred to as "ASSIGNOR"), is the owner of application for United States Letters Patent, Application No. _____, filed on _____ for the invention entitled "LIQUID CRYSTAL DISPLAY DEVICE AND METHOD FOR MANUFACTURING THE SAME"; and is the owner of all rights, title and interest in and to the invention illustrated, described and claimed in said application for Letters Patent.

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IN WITNESS WHEREOF, I have hereunto set my hand and seal this 19th day of

Feb, 2003.



Hideki KOWATA

STATE OF _____)
) ss.
COUNTY OF _____)

On this _____ day of _____, 2003, before me, a Notary Public in and for the State and County aforesaid, personally appeared, known by me to be the person of the above name who signed and sealed the foregoing instrument, and acknowledged the same to be his own free act and deed.

(seal)

Notary Public

ASSIGNMENT

WHEREAS, Akira SHIGEEDA of c/o NANOX CORPORATION, 6-7, Aza Nagasone, Okajima, Fukushima-shi, Fukushima 960-8201 Japan, (hereinafter referred to as "ASSIGNOR"), is the owner of application for United States Letters Patent, Application No. _____, filed on _____ for the invention entitled "**LIQUID CRYSTAL DISPLAY DEVICE AND METHOD FOR MANUFACTURING THE SAME**"; and is the owner of all rights, title and interest in and to the invention illustrated, described and claimed in said application for Letters Patent.

WHEREAS, NANOX CORPORATION, a corporation organized and existing under the laws of the _____, having its principal place of business at 6-7, Aza Nagasone, Okajima, Fukushima-shi, Fukushima 960-8201 Japan (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring my entire right, title and interest in and to the invention and said application for Letters Patent;

NOW THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, said **ASSIGNOR**, has sold, assigned and set over, and by these presents does hereby sell, assign and set over unto the said **ASSIGNEE**, its legal representatives, successors and assigns, its entire rights, title and interest in and to said application to United States Letters Patent, and the invention disclosed, described or claimed in said application to Letters Patent, together with all divisions, reissues, continuations and extensions thereof, and any and all rights of recovery for past infringement of said application to Letters Patent.

I also hereby sell and assign to said **ASSIGNEE**, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said application for patent and any applications throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and

I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in **ASSIGNEE**, its successors, assigns and legal representatives.

I hereby further agree that I will communicate to said **ASSIGNEE**, or its successors, assigns and legal representatives, any facts known to me respecting any improvements; and, at the expense of said **ASSIGNEE**, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make all lawful oaths, and generally do everything possible to vest title in said **ASSIGNEE** and to aid said **ASSIGNEE**, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 19th day of

Feb, 2003.

Akira Shigeeda
Akira SHIGEEDA

STATE OF _____)
COUNTY OF _____) ss.

On this _____ day of _____, 2003, before me, a Notary Public in and for the State and County aforesaid, personally appeared, known by me to be the person of the above name who signed and sealed the foregoing instrument, and acknowledged the same to be his own free act and deed.

seal)

Notary Public

ASSIGNMENT

WHEREAS, Akihiko OHTA of c/o NANOX CORPORATION, 6-7, Aza Nagasone, Okajima, Fukushima-shi, Fukushima 960-8201 Japan, (hereinafter referred to as "ASSIGNOR"), is the owner of application for United States Letters Patent, Application No. _____, filed on _____ for the invention entitled "LIQUID CRYSTAL DISPLAY DEVICE AND METHOD FOR MANUFACTURING THE SAME"; and is the owner of all rights, title and interest in and to the invention illustrated, described and claimed in said application for Letters Patent.

WHEREAS, NANOX CORPORATION, a corporation organized and existing under the laws of the _____, having its principal place of business at 6-7, Aza Nagasone, Okajima, Fukushima-shi, Fukushima 960-8201 Japan (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring my entire right, title and interest in and to the invention and said application for Letters Patent;

NOW THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, said ASSIGNOR, has sold, assigned and set over, and by these presents does hereby sell, assign and set over unto the said ASSIGNEE, its legal representatives, successors and assigns, its entire rights, title and interest in and to said application of United States Letters Patent, and the invention disclosed, described or claimed in said application to Letters Patent, together with all divisions, reissues, continuations and extensions thereof, and any and all rights of recovery for past infringement of said application to Letters Patent.

I also hereby sell and assign to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said application for patent and any applications throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and

I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

I hereby further agree that I will communicate to said ASSIGNEE, or its successors, assigns and legal representatives, any facts known to me respecting any improvements; and, at the expense of said ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make all lawful oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 17th day of

Feb, 2003.

Akihiko Ohta

Akihiko OHTA

STATE OF _____)
) ss.
COUNTY OF _____)

On this _____ day of _____, 2003, before me, a Notary Public in and for the State and County aforesaid, personally appeared _____, known by me to be the person of the above name who signed and sealed the foregoing instrument, and acknowledged the same to be his own free act and deed.

seal)

Notary Public

ASSIGNMENT

WHEREAS, Yasuyuki SHIRATO of c/o NANOX CORPORATION, 6-7, Aza Nagasone, Okajima, Fukushima-shi, Fukushima 960-8201 Japan, (hereinafter referred to as "ASSIGNOR"), is the owner of application for United States Letters Patent, Application No. _____, filed on _____ for the invention entitled "LIQUID CRYSTAL DISPLAY DEVICE AND METHOD FOR MANUFACTURING THE SAME"; and is the owner of all rights, title and interest in and to the invention illustrated, described and claimed in said application for Letters Patent.

WHEREAS, NANOX CORPORATION, a corporation organized and existing under the laws of the _____, having its principal place of business at 6-7, Aza Nagasone, Okajima, Fukushima-shi, Fukushima 960-8201 Japan (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring my entire right, title and interest in and to the invention and said application for Letters Patent;

NOW THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, said ASSIGNOR, has sold, assigned and set over, and by these presents does hereby sell, assign and set over unto the said ASSIGNEE, its legal representatives, successors and assigns, its entire rights, title and interest in and to said application for United States Letters Patent, and the invention disclosed, described or claimed in said application for Letters Patent, together with all divisions, reissues, continuations and extensions thereof, and any and all rights of recovery for past infringement of said application to Letters Patent.

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IN WITNESS WHEREOF, I have hereunto set my hand and seal this 19th day of

Feb., 2003.

Yasuyuki Shirato
Yasuyuki SHIRATO

STATE OF _____)
) ss.
COUNTY OF _____)

On this _____ day of _____, 2003, before me, a Notary Public in and for the State and County aforesaid, personally appeared _____, known by me to be the person of the above name who signed and sealed the foregoing instrument, and acknowledged the same to be his own free act and deed.

(seal)

Notary Public

ASSIGNMENT

WHEREAS, **Hideki KOWATA of c/o NANOX CORPORATION, 6-7, Aza Nagasone, Okajima, Fukushima-shi, Fukushima 960-8201 Japan**, (hereinafter referred to as "ASSIGNOR"), is the owner of application for United States Letters Patent, Application No. _____, filed on _____ for the invention entitled "**LIQUID CRYSTAL DISPLAY DEVICE AND METHOD FOR MANUFACTURING THE SAME**"; and is the owner of all rights, title and interest in and to the invention illustrated, described and claimed in said application for Letters Patent.

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Feb, 2003.



Hideki KOWATA

STATE OF _____)
COUNTY OF _____) ss.

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(seal)

Notary Public

ASSIGNMENT

WHEREAS, **Akira SHIGEEDA of c/o NANOX CORPORATION, 6-7, Aza Nagasone, Okajima, Fukushima-shi, Fukushima 960-8201 Japan**, (hereinafter referred to as "ASSIGNOR"), is the owner of application for United States Letters Patent, Application No. _____, filed on _____ for the invention entitled "**LIQUID CRYSTAL DISPLAY DEVICE AND METHOD FOR MANUFACTURING THE SAME**"; and is the owner of all rights, title and interest in and to the invention illustrated, described and claimed in said application for Letters Patent.

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Akira Shigeeda
Akira SHIGEEDA

STATE OF _____)
) ss.
COUNTY OF _____)

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(seal)

Notary Public

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Feb, 2003.

Akihiko Ohta

Akihiko OHTA

STATE OF _____)
) ss.
COUNTY OF _____)

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seal)

Notary Public