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Name of conveying party(ies): Harumi OKUNO Junichi YAMADA Hisashi NAGATA Additional name(s) of conveying party(ies) attached? Street Address: 22-22 Nagaike-cho Abeno-lisashi NAGATA City: Osaka-shi State: Osaka Country: JAPAN Postal Code: 54	ECOR 02-17-2005
1. Name of conveying party(ies): Harumi OKUNO Junichi YAMADA Hisashi NAGATA Additional name(s) of conveying party(ies) attached? □ YES ☒ NO 3. Nature of conveyance: ☒ Assignment □ Merger □ Security Agreement □ Change of Name □ Other: Execution Date: January 6, 2005, November 1, 2004 and October 26, 2004, respectively. 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: A. Patent Application No(s). 10/986,033 Additional numbers attached? □ YES ☒ NO 5. Name and address of party to whom correspondence concerning document should be mailed: Name: SHARP KABUSHIKI KAISH. Street Address: 22-22 Nagaike-cho Abeno-October 54 City: Osaka-shi State: Osaka Country: JAPAN Postal Code: 54 Additional name(s) & address(cs) attached? □ YES B. Patent No.(s). B. Patent No.(s). 6. Total No. of applications/patents involved: One (in the concerning document should be mailed: Name: HARNESS, DICKEY & PIERCE, P.L.C. Street Address: 22-22 Nagaike-cho Abeno-October 54 Additional name(s) & address(cs) attached? □ VES B. Patent No.(s). 6. Total No. of applications/patents involved: One (in the concerning document should be mailed: Additional numbers attached? □ YES ☒ NO 5. Name and address of party to whom correspondence concerning document should be mailed: Name: SHARP KABUSHIKI KAISH. City: Osaka-shi State: Osaka Country: JAPAN Postal Code: 54 Additional name(s) & address(cs) attached? □ VES B. Patent No.(s). 6. Total No. of applications/patents involved: One (in the concerning document is the concerning document in no fee attached. B. Deposit account, in no fee attached. B. Deposit account number: (in no fee attached.) Country: JAPAN February 11, 2 Date Others Donald J. Daley/34,313 Name of Person Signing/Reg. No. Signature State: Osaka City: Osaka-shi Country: JAPAN Postal Code: 54 Additional name(s) & address(cs) attached? □ VES City: Osaka-shi Country: JAPAN Postal Code: 54 Addition	record the
Street Address: 22-22 Nagaike-cho Abeno-Hisashi NAGATA	2. Name: SHARP KABUSHIKI KAISHA
Additional name(s) of conveying party(ies) attached? YES NO	Street Address: 22-22 Nagaike-cho Abeno-ku
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<u></u>	pages including cover sheet, attachments, and document: Five (5)
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WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented: METHOD OF DRIVING DATA LINES, AND DISPLAY DEVICE AND LIQUID CRYSTAL DISPLAY DEVICE USING METHOD

for whi patent	ch Assi	gnor is	about to make or has made United States or International application for
	(a)		executed on even date preparatory to filing (each inventor should sign this Assignment on the same day as he/she signs the Declaration and Power of Attorney);
	(b)	\boxtimes	executed on Jan. 6,2005, , , or
	(c)	\boxtimes	filed on November 12, 2004, and assigned Serial No. 10/986,033 or PCT International Application No;
	(d)		U.S. Patent No, issued; and

WHEREAS, SHARP KABUSHIKI KAISHA, hereinafter referred to as Assignee, is desirous of acquiring an interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor by these presents does sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and all foreign countries, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the said invention as described in the aforesaid application, said application for patent and all Letters Patent therefor to be held and enjoyed by Assignee to the full end of the term for which said Letters Patent are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to recover for past infringements of, or liabilities for, any of the rights relating to any of said applications or patents resulting therefrom;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

Assignor hereby covenants that no assignment, sale or agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue said Letters Patent, Utility Model Registration or Inventor's Certificate to Assignee.

The undersigned hereby grant(s) the law firm of Harness, Dickey & Pierce, P.L.C. the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

Idarumi OKUNO	Witness Yamura
First Inventor Harumi OKUNO	Witness Yoko TAMURA
6/1p005	6/1/2005
Dated	Dated
Second Inventor	Witness
Dated	Dated
Third Inventor	Witness
Dated	Dated
Fourth Inventor	Witness
Dated	Dated
Fifth Inventor	Witness
Dated	Dated
Sixth Inventor	Witness
Dated	Dated
Seventh Inventor	Witness
Dated	Dated

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented: METHOD OF DRIVING DATA LINES, AND DISPLAY DEVICE AND LIQUID CRYSTAL DISPLAY DEVICE USING METHOD

for which A patent	ssignor is	about to make or has made United States or International application for
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(d)		U.S. Patent No, issued; and

WHEREAS, SHARP KABUSHIKI KAISHA, hereinafter referred to as Assignee, is desirous of acquiring an interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor by these presents does sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and all foreign countries, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the said invention as described in the aforesaid application, said application for patent and all Letters Patent therefor to be held and enjoyed by Assignee to the full end of the term for which said Letters Patent are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to recover for past infringements of, or liabilities for, any of the rights relating to any of said applications or patents resulting therefrom;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

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Second Inventor Junichi YAMADA	Witness
11/1/2004	
Dated	Dated
Hisashi Nagata	
Third Inventor Hisashi NAGATA	Witness
10/26/2004	
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Sixth Inventor	Witness
Dated	Dated
Seventh Inventor	Witness
Dated	Dated

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