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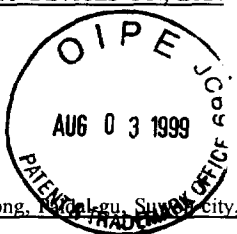
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FORM PTO-1596
1-31-92

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

DOCKET NO.: 2729-062

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

<p>1. Name of conveying party(ies): Shigeo MIKOSHIBA Jeong-duk RYEOM</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies): Name: <u>SAMSUNG DISPLAY DEVICES CO., LTD.</u></p> <p>Internal Address:</p> <p>Street Address: <u>575 Shin-dong, P.O. Box 107, Suwon City, Kyungki-do, Republic of Korea</u></p> <p>City: _____ State/Country: _____ ZIP: _____</p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Other</p> <p>Execution Date: <u>July 6, 1999</u></p>	

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

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

<p>A. Patent Application No(s). <u>09/297,690</u></p>	<p>B. Patent No(s).</p>
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Additional numbers attached? Yes No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>LOWE HAUPTMAN GOPSTEIN GILMAN & BERNER</u></p> <p>Internal Address:</p> <p>Street Address: <u>1700 Diagonal Road, Suite 310</u></p> <p>City: <u>Alexandria</u> State: <u>VA</u> ZIP: <u>22314</u></p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41)..... <u>\$40.00</u></p> <p><input checked="" type="checkbox"/> Enclosed</p> <p><input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number:</p>
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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.

Benjamin J. Hauptman Reg. No. 29,310 August 3, 1999
Name and Registration No. of Person Signing Signature Date

Total number of pages comprising cover sheet: 1

CMB No. 085:-0011 (exp. 4/94)

08/04/1999 DNGUYEN 00000212 09297690

01 FC:581

(40.00 OP)

PATENT
REEL: 010137 FRAME: 0872

Docket No.:

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

- (1) Shigeo Mikoshiba (4) _____
- (2) Jeong-duk Ryeom (5) _____
- (3) _____ (6) _____

who have made a certain new and useful invention, hereby sell, assign and transfer unto

SAMSUNG DISPLAY DEVICES CO., LTD.
575 Shin-dong, Paldal-gu, Suwon-city, Kyungki-do, Republic of Korea

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

DISCHARGE DEVICE DRIVING METHOD

(a) for which an application for United States Letters Patent was filed on 6 May 1999, and identified by United States Serial No. 09/297,690, or

(b) for which an application for United States Letters Patent was executed on _____

and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the dates indicated beside our signatures:

INVENTORS	DATE SIGNED
1) <u>Shigeo Mikoshiba</u> <i>[Signature]</i>	<u>1999. 7. 6</u>
2) <u>Jeong-duk Ryeom</u> <i>[Signature]</i>	<u>1999. 7. 6</u>
3) _____	_____
4) _____	_____
5) _____	_____
6) _____	_____