

RECC

06-15-1999

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

6-7-99

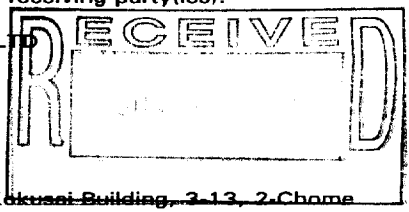


15162/00450

101065785

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

<p>1. Name of conveying party(ies): Eiji YAMAKAWA, Hideaki UEDA, and Naoki MASAZUMI</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>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</p> <p>Execution Date(s): <u>April 26, 1999, respectively</u></p>	<p>2. Name and Address of receiving party(ies): Name: MINOLTA CO., LTD</p> <p>Internal Address:</p> <p>Street Address: Osaka Kokusai Building, 2-13, 2-Chome Azucki-machi, Chuo-Ku</p> <p>City: Osaka-shi Prefecture: Osaka Country: JAPAN ZIP: 541-8556</p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
--	--



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:

<p>A. Patent Application No.(s) 09/291,765</p>	<p>B. Patent No.(s)</p>
---	-------------------------

Additional numbers attached? Yes No

<p>5. Name and address of party to whom correspondence concerning document should be mailed: Name: SIDLEY & AUSTIN Internal Address: Attn: James W. Williams Street Address: 717 North Harwood Suite 3400 City: Dallas State: TX ZIP: 75201-6507</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> € <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: (Attach duplicate copy of this page if paying by deposit account)</p>
--	--

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.

<u>James W. Williams</u> Name of Person Signing	 Signature	<u>June 4, 1999</u> Date
--	---------------	-----------------------------

Total number of pages including cover sheet 3

OMB No. 0651-0011 (exp. 4/94)

06/14/1999 DNGUYEN 00000250 09291765 Do not detach this portion
01 FC:581 40.00 GP Mail documents to be recorded with required cover sheet information to:

**Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231**

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.

ASSIGNMENT

In consideration of the sum of One Dollar (U.S. \$1.00) in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned,

Eiji YAMAKAWA, Hideaki UEDA and Naoki MASAZUMI

hereby sells, assigns and transfers to MINOLTA CO., LTD., a corporation duly organized under the laws of Japan, and having a place of business at Osaka Kokusai Building, 3-13, 2-Chome Azuchi-machi, Chuo-ku, Osaka-shi, Osaka, Japan, (hereinafter called Assignee) the entire right, title, and interest in and to any and all improvements which are disclosed in the application for United States Letters Patent entitled

LIQUID CRYSTAL DISPLAY DEVICE AND METHOD OF DRIVING
A LIQUID CRYSTAL DISPLAY ELEMENT

which application was filed by the undersigned on April 14, 1999
_____ and accorded serial no. _____,

including said application and any and all divisions, continuations, and substitutes thereof and any and all United States Letters Patents which may be granted therefor and any and all extensions, reissues, renewals or reexaminations thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property.

It is hereby authorized and requested that the Commissioner of Patents issue any and all of said Letters Patent, when granted, to said Assignee.

Further, it is agreed that, when requested, without charge to but at the expense of said Assignee, the undersigned will execute all divisional, continuing, substitute, renewal, and reissue patent applications; execute all rightful other papers; and generally do everything possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection.

Signed this 26th day of April, 1999.

Eiji Yamakawa

Eiji YAMAKAWA

Signed this 26th day of April, 1999.

Hideaki Ueda

Hideaki UEDA

Signed this 26th day of April, 1999.

Naoki Masazumi

Naoki MASAZUMI