

7.13.99

07-19-1999

BOX ASSIGNMENTS

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TO THE ASSISTANT COMMISSIONER C

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SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):

1. KUBO, Akira

3. DOJO, Masayuki

5. MACHIDA, Masahiko

7. MIYAJI, Tomoki

2. KAMIMURA, Takaaki

4. MIZOUCHI, Kiyotsugu

6. MOTOKAWA, Shigeyuki

8.

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? ☐ YES ☒ NO

JUL 13 1999

2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: KABUSHIKI KAISHA TOSHIBA

ADDRESS: 72 Horikawa-cho, Saiwai-ku, Kawasaki-shi, Kanagawa-ken, Japan

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? ☐ YES ☒ NO

3. NATURE OF CONVEYANCE (DOCUMENT):

(Submit herewith only one document for recordation—multiple copies of same Assignment signed by different inventors is one document)☒ ASSIGNMENT OF ☒ WHOLE ☐ PART INTEREST

EXEC. DATE: JULY 1, 1999

☐ CHANGE OF NAME☐ VERIFIED TRANSLATION☐ SECURITY☐ MERGER☐ OTHER:

EXECUTION DATE(S) ON THE DECLARATION IF FILED HERewith: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) JULY 1, 1999

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? ☐ YES ☒ NO

A. PAT. APP. NO.(S) series code/serial no	M#	1 st INVENTOR if not in item 1	B. PATENT NO(S)	M#	1 st INVENTOR if not in item 1
09/293,936	260406				

5. Name & Address of Party to Whom Correspondence
Concerning Document Should be Mailed:

Pillsbury Madison & Sutro LLP
Intellectual Property Group
 1100 NEW YORK AVENUE, N.W.
 NINTH FLOOR, EAST TOWER
 WASHINGTON, D.C. 20005-3918

6. NUMBER INVOLVED:

APPLNS 1 + PATS: 0 = TOTAL 1

7. AMOUNT OF FEE ENCLOSED: (Code 581)

ABOVE TOTAL x \$40 = \$40

5.5 ATTY DKT:

PMS 260406

120012US

8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE
INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975

UNDER ORDER NO

41535

260406

MATTER NO.

CLIENT REF.

dup. sheet not required

CLIENT NO.

MATTER NO.

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.

Glenn J. Perry
 Signature *by [initials] H 20508*

10. Total number of pages including this
cover sheet, attachments and document
(do not file dup. Cover sheet)

3

Attorney: Glenn J. Perry

Reg. No. 28458

Atty/Sec: GJP/sdm

TEL: (202) 861-3070

Date: JULY 13, 1999

FAX: (202) 822-0944

07/15/1999 VVAN11 00000082 09293936

01 FC:581

40.00 OP

PAT-114X 11/1997

PATENT
REEL: 010092 FRAME: 0393

Please return signed/recorded to:

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Ninth Floor, East Tower
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Washington, D.C. 20005-3918

USA Patent Appln.
Sole or Joint

For Inventions made outside USA
executed with or after application

Atty. Dkt. PMS 260406

120012US

M#

Client Ref.

NONPROVISIONAL

ASSIGNMENT
OF NONPROVISIONAL APPLICATION

NONPROVISIONAL

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit:

INSERT
NAME(S) OF
INVENTOR(S)

(1) Akira KUBO

(3) Masayuki DOJO

(5) Masahiko MACHIDA

(2) Takaaki KAMIMURA

(4) Kiyotsugu MIZOUCHI

☒ x box if continued on page 2

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

INSERT
NAME(S) OF
ASSIGNEE(S)
& ADDRESS(ES)

KABUSHIKI KAISHA TOSHIBA

72, Horikawa-cho, Saiwai-ku, Kawasaki-shi, Kanagawa-ken, Japan

(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 and all applications including any and all divisions, continuations, substitutes, and reissues thereof; and all resulting patents, known as

TITLE OF
INVENTION

"LIQUID CRYSTAL DISPLAY DEVICE, MATRIX ARRAY SUBSTRATE AND
METHOD FOR MANUFACTURING MATRIX ARRAY"

for which the undersigned executed an application for Letters Patents of the United States of America:

NOTE → →

(Complete

line A, B and/or C)

(A) ☒ even date herewith

(B) ☐ on

(C) ☒ in U.S. Appln. No. 09 / 293,936 filed April 19, 1999

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

NOTE → → The undersigned hereby authorize(s) Pillsbury Madison & Sutro LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

INVENTORS

1): Akira Kubo
Name: Akira KUBO
2) Takaaki Kamimura
Name: Takaaki KAMIMURA
3) Masayuki Dojo
Name: Masayuki DOJO
4) Name: Kiyotsugu Mizouchi
Name: Kiyotsugu MIZOUCHI
5) Name: Masahiko Machida
Name: Masahiko MACHIDA

DATE SIGNED

July 1, 1999
July 1, 1999
July 1, 1999
July 1, 1999
July 1, 1999

WITNESSES

Tsuyoshi Igama
Kochi Irie

ASSIGNMENT

(Continued from page 1)

LISTING OF ADDITIONAL INVENTORS

INSERT
NAME(S) OF
INVENTOR(S)

(6) Shigeyuki MOTOKAWA	(11)
(7) Tomoki MIYAJI	(12)
(8)	(13)
(9)	(14)
(10)	(15)

SIGNATURES OF ADDITIONAL INVENTORS/WITNESSES/DATES SIGNED

<u>INVENTOR(S)</u>	<u>DATE SIGNED</u>	<u>WITNESSES</u>
6) <u>Shigeyuki Motokawa</u> Name: Shigeyuki MOTOKAWA	<u>July 1, 1999</u>	_____
7) <u>Tomoki Miyaji</u> Name: Tomoki MIYAJI	<u>July 1, 1999</u>	_____
8) _____ Name: _____	_____	_____
9) _____ Name: _____	_____	_____
10) _____ Name: _____	_____	_____
11) _____ Name: _____	_____	_____
12) _____ Name: _____	_____	_____
13) _____ Name: _____	_____	_____
14) _____ Name: _____	_____	_____
15) _____ Name: _____	_____	_____