

UNITED STATES
PATENT AND TRADEMARK OFFICEP.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov**ELECTRONIC ACKNOWLEDGEMENT RECEIPT**APPLICATION #
12/722,826RECEIPT DATE / TIME
12/09/2025 11:45:35 PM Z ETATTORNEY DOCKET #
ZJ0148216US01**Title of Invention**FLEXIBLE SUBSTRATE INCLUDING INSPECTION ELECTRODE FOR OUTPUTTING SIGNAL
PROCESSED IN INTEGRATED CIRCUIT, ELECTRO-OPTICAL DEVICE, AND ELECTRONIC
DEVICE**Application Information**APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # 8319512

CONFIRMATION # 3956

FILED BY ERIN PARK

PATENT CENTER # 73524094

FILING DATE 03/12/2010

CUSTOMER # 36491

FIRST NAMED
INVENTOR Katsutoshi UenoCORRESPONDENCE
ADDRESS -

AUTHORIZED BY CLIFF CRAWFORD

Documents**TOTAL DOCUMENTS: 3**

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
2025-12-09_Statutory_Disclaimer.pdf	2	Statutory disclaimers per Manual of Patent Examining Procedure(MPEP) 1490.	261 KB
2025-12-09 statement 3-73c.pdf	3	Assignee showing of ownership per 37 CFR 3.73	296 KB
2025-12-09 POA.pdf	2	Power of Attorney	3079 KB

Digest

DOCUMENT MESSAGE DIGEST(SHA-512)

BOE v. 138 East (IPR2025-01413)
Patent Owner 138 East Ex. 2009
Page 001

2025-12-09_Statutory_Disclaimer.pdf	D81972C9ADB3A7B9869D9D0916B24B81CA40C0724A08D70E0EE251AEC293C3F9DDED0E2B4D8B99387AAD441C3060ACC4DCC69E2B1073E4B3C5CEE55B7AC1BDC9
2025-12-09 statement 3-73c.pdf	35F04A8FEB095A4C80167C787A78B7057EA47DBA0BE4ACF99C36602C528127C07CA048BCBA3551E5DCD2B9F14AA14CCD5FB8E980AD1E72860B1E925B28B791D2
2025-12-09 POA.pdf	49547931771B806D20741CCA1D424DA3C23F20A94A0A3AF59476FD8BBD232C2BA6FCDF188F6AD6CAF6E74E107036CA55064C7AC31D2CD928E622B94E760D0ECB

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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

DISCLAIMER IN A PATENT UNDER 37 CFR 1.321(a)	
Name of Patentee 138 East LCD Advancements Limited	Docket Number (optional) 005750-000079
Patent Number 8,319,512	Date Patent Issued November 27, 2012
Title of Invention FLEXIBLE SUBSTRATE INCLUDING INSPECTION ELECTRODE FOR OUTPUTTING SIGNAL PROCESSED IN INTEGRATED CIRCUIT,...	
Patentee hereby disclaims: ☒ the following complete claim(s) in the above-identified patent: <u>10-12</u>. ☐ the terminal part of the term of the above-identified patent beginning on the date: _____. ☐ the entire term of the above-identified patent. The disclaimer is binding on the patentee and its successors or assigns. The extent of patentee's ownership interest in the above-identified patent is: <u>100%</u>. The fee for this disclaimer is set forth in 37 CFR 1.20(d) and is being paid in the following manner: ☒ payment by the USPTO patent electronic filing system. ☒ the Director is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account No. <u>50-4525</u>. ☐ payment by credit card. Form PTO-2038 is attached. ☐ a check in the amount of the fee is enclosed. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on form PTO-2038. The undersigned is: ☐ patentee. If patentee is a juristic entity, the undersigned is authorized to act on behalf of the juristic entity. ☒ attorney or agent of record.	
Signature /Cliff Crawford/	Date December 9, 2025
Name (printed/typed) Cliff Crawford	Practitioner registration number 78,410
Note: See 37 CFR 1.4(d) for signature requirements and certifications.	

A Federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with an information collection subject to the requirements of the Paperwork Reduction Act of 1995, unless the information collection has a currently valid OMB Control Number. The OMB Control Number for this information collection is 0651-0031. Public burden for this form is estimated to average 12 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information collection. Send comments regarding this burden estimate or any other aspect of this information collection, including suggestions for reducing this burden to the Chief Administrative Officer, United States Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450 or email InformationCollection@uspto.gov. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. If filing the completed form by mail, send to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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Routine uses of the information in this record may include disclosure to:

- 1) law enforcement, in the event that the system of records indicates a violation or potential violation of law;
- 2) a federal, state, local, or international agency, in response to its request;
- 3) a contractor of the USPTO having need for the information in order to perform a contract;
- 4) the Department of Justice for determination of whether the Freedom of Information Act (FOIA) requires disclosure of the record;
- 5) a Member of Congress submitting a request involving an individual to whom the record pertains, when the individual has requested the Member's assistance with respect to the subject matter of the record;
- 6) a court, magistrate, or administrative tribunal, in the course of presenting evidence, including disclosures to opposing counsel in the course of settlement negotiations;
- 7) the Administrator, General Services Administration (GSA), or their designee, during an inspection of records conducted by GSA under authority of 44 U.S.C. 2904 and 2906, in accordance with the GSA regulations and any other relevant (i.e., GSA or Commerce) directive, where such disclosure shall not be used to make determinations about individuals;
- 8) another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c));
- 9) the Office of Personnel Management (OPM) for personnel research purposes; and
- 10) the Office of Management and Budget (OMB) for legislative coordination and clearance.

If you do not furnish the information requested on this form, the USPTO may not be able to process and/or examine your submission, which may result in termination of proceedings, abandonment of the application, and/or expiration of the patent.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(c)First Named Inventor/Patent Owner: 138 East LCD Advancements LimitedApplication No./Patent No.: 8,319,512Filed/Issue Date: November 27, 2012Titled: FLEXIBLE SUBSTRATE INCLUDING INSPECTION ELECTRODE FOR OUTPUTTING SIGNAL PROCESSED IN INTEGRATED CIRCUIT, ELECTRO-OPTICAL DEVICE, AND ELECTRONIC DEVICE138 East LCD Advancements Limited, a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that, for the patent application/patent identified above, it is (choose **one** of options 1, 2, 3 or 4 below):

1. ☒ The assignee of the entire right, title, and interest.
2. ☐ An assignee of less than the entire right, title, and interest (check applicable box):
- ☐ The extent (by percentage) of its ownership interest is ____%. Additional Statement(s) by the owners holding the balance of the interest must be submitted to account for 100% of the ownership interest.
- ☐ There are unspecified percentages of ownership. The other parties, including inventors, who together own the entire right, title and interest are:

Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

3. ☐ The assignee of an undivided interest in the entirety (a complete assignment from one of the joint inventors was made). The other parties, including inventors, who together own the entire right, title, and interest are:

Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

4. ☐ The recipient, via a court proceeding or the like (e.g., bankruptcy, probate), of an undivided interest in the entirety (a complete transfer of ownership interest was made). The certified document(s) showing the transfer is attached.

The interest identified in option 1, 2 or 3 above (not option 4) is evidenced by either (choose **one** of options A or B below):

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached*.
- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: Katsutoshi Ueno To: SEIKO EPSON CORPORATIONThe document was recorded in the United States Patent and Trademark Office at
Reel 24072, Frame 0246, or for which a copy thereof is attached*.2. From: SEIKO EPSON CORPORATION To: 138 East LCD Advancements LimitedThe document was recorded in the United States Patent and Trademark Office at
Reel 50197, Frame 0212, or for which a copy thereof is attached*.

[Page 1 of 2]

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STATEMENT UNDER 37 CFR 3.73(c)

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Reel _____, Frame _____, or for which a copy thereof is attached*.

4. From: _____ To: _____

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The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached*.

6. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached*.☐ Additional documents in the chain of title are listed on a supplemental sheet(s).☒ *As required by 37 CFR 3.73(c)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

/Cliff Crawford/

2025-12-09

Signature

Date

Cliff Crawford

78,410

Printed or Typed Name

Title or Registration Number

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. The United States Patent and Trademark Office (USPTO) collects the information in this record under authority of 35 U.S.C. 2. The USPTO's system of records is used to manage all applicant and owner information including name, citizenship, residence, post office address, and other information with respect to inventors and their legal representatives pertaining to the applicant's/owner's activities in connection with the invention for which a patent is sought or has been granted. The applicable Privacy Act System of Records Notice for the information collected in this form is COMMERCE/PAT-TM-7 Patent Application Files, available in the Federal Register at 78 FR 19243 (March 29, 2013). <https://www.govinfo.gov/content/pkg/FR-2013-03-29/pdf/2013-07341.pdf>

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NOTE: This form is to be submitted with the Power of Attorney by Applicant form (PTO/AIA/82B) to identify the application to which the Power of Attorney is directed, in accordance with 37 CFR 1.5, unless the application number and filing date are identified in the Power of Attorney by Applicant form. If neither form PTO/AIA/82A nor form PTO/AIA/82B identifies the application to which the Power of Attorney is directed, the Power of Attorney will not be recognized in the application.

Application Number	12/722,826
Filing Date	03/12/2010
First Named Inventor	Katsutoshi Ueno
Title	FLEXIBLE SUBSTRATE INCLUDING INSPECTION ELECTRODE FOR OUTPUTTING SIGNAL PROCESSED IN INTEGRATED CIRCUIT, ELECTRO-OPTICAL DEVICE, AND ELECTRONIC DEVICE
Art Unit	2858
Examiner Name	Vinh P. NGUYEN
Attorney Docket Number	005750-000079

SIGNATURE of Applicant or Patent Practitioner

Signature	/Cliff Crawford/	Date (Optional)	2025-12-09
Name	Cliff Crawford	Registration Number	78,410
Title (if Applicant is a juristic entity)			
Applicant Name (if Applicant is a juristic entity)			

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. If more than one applicant, use multiple forms.



*Total of 1 forms are submitted.

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Doc Code: PA..
Document Description: Power of Attorney

PTO/AIA/82B (07-13)
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POWER OF ATTORNEY BY APPLICANT

I hereby revoke all previous powers of attorney given in the application identified in either the attached transmittal letter or the boxes below.

Application Number

Filing Date

(Note: The boxes above may be left blank if information is provided on form PTO/AIA/82A.)



I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above:

78198

OR



I hereby appoint Practitioner(s) named in the attached list (form PTO/AIA/82C) as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the patent application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above. (Note: Complete form PTO/AIA/82C.)

Please recognize or change the correspondence address for the application identified in the attached transmittal letter or the boxes above to:



The address associated with the above-mentioned Customer Number

OR



The address associated with Customer Number:

OR



Firm or
Individual Name

Address

City

State

Zip

Country

Telephone

Email

I am the Applicant (if the Applicant is a juristic entity, list the Applicant name in the box):

138 East LCD Advancements Limited



Inventor or Joint Inventor (title not required below)



Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)



Assignee or Person to Whom the Inventor is Under an Obligation to Assign (provide signer's title if applicant is a juristic entity)



Person Who Otherwise Shows Sufficient Proprietary Interest (e.g., a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document) (provide signer's title if applicant is a juristic entity)

SIGNATURE of Applicant for Patent

The undersigned (whose title is supplied below) is authorized to act on behalf of the applicant (e.g., where the applicant is a juristic entity).

Signature

Garrett Dempsey

Date (Optional)

21 Dec 2021

Name

Garrett Dempsey

Title

Director

NOTE: Signature - This form must be signed by the applicant in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. If more than one applicant, use multiple forms.



Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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ELECTRONIC PAYMENT RECEIPT

APPLICATION #
12/722,826

RECEIPT DATE / TIME
12/09/2025 11:45:35 PM Z ET

ATTORNEY DOCKET #
ZJ0148216US01

Title of Invention

FLEXIBLE SUBSTRATE INCLUDING INSPECTION ELECTRODE FOR OUTPUTTING SIGNAL
PROCESSED IN INTEGRATED CIRCUIT, ELECTRO-OPTICAL DEVICE, AND ELECTRONIC
DEVICE

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	8319512
CONFIRMATION #	3956	FILED BY	ERIN PARK
PATENT CENTER #	73524094	AUTHORIZED BY	CLIFF CRAWFORD
CUSTOMER #	36491	FILING DATE	03/12/2010
CORRESPONDENCE ADDRESS	-	FIRST NAMED INVENTOR	Katsutoshi Ueno

Payment Information

PAYMENT METHOD CARD / 2028	PAYMENT TRANSACTION ID E2025B9N45567912	PAYMENT AUTHORIZED BY ERIN PARK
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PRE-AUTHORIZED ACCOUNT 504525	PRE-AUTHORIZED CATEGORY 37 CFR 1.20 (Post Issuance fees)
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FEE CODE	DESCRIPTION	ITEM PRICE(\$)	QUANTITY	ITEM TOTAL(\$)
1814	STATUTORY DISCLAIMER, INCLUDING TERMINAL DISCLAIMER	183.00	1	183.00
TOTAL AMOUNT:				\$183.00

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New International Application Filed with the USPTO as a Receiving Office

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