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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/982,947	12/29/2015	Takeshi OOKAWARA	1497-50463CC2CON	2272
127271	7590	03/14/2016		
Hauptman Ham, LLP 2318 Mill Road Suite 1400 Alexandria, VA 22314			EXAMINER DHARIA, PRABODH M	
			ART UNIT 2693	PAPER NUMBER
			MAIL DATE 03/14/2016	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 14/982,947	Applicant(s) OOKAWARA ET AL.	
	Examiner PRABODH M. DHARIA	Art Unit 2693	AIA (First Inventor to File) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on 12-29-2015.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.

3) ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

4) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

5) ☒ Claim(s) 1-9 is/are pending in the application.
5a) Of the above claim(s) _____ is/are withdrawn from consideration.

6) ☐ Claim(s) _____ is/are allowed.

7) ☒ Claim(s) 1-9 is/are rejected.

8) ☐ Claim(s) _____ is/are objected to.

9) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

Application Papers

10) ☐ The specification is objected to by the Examiner.

11) ☒ The drawing(s) filed on 12-29-2015 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

a) ☒ All b) ☐ Some** c) ☐ None of the:

1. ☒ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. _____.

3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☒ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b)
Paper No(s)/Mail Date 12-31-2015.

3) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.

4) ☐ Other: _____.

Detailed office Action

1. The present application is being examined under the pre-AIA first to invent provisions.
2. **Status:** Please all the replies and correspondence should be addressed to Examiner's new art unit 2693. Receipt is acknowledged of papers submitted on 12-29-2016 under new application, which have been placed of record in the file. Claims 1-9 are pending in this action.

Priority

3. Receipt is acknowledged of certified copies of papers required by 37 CFR 1.55.
4. Applicant's claim for the benefit of a prior-filed application under 35 U.S.C. 119(e) or under 35 U.S.C. 120, 121, or 365(c) is acknowledged. Applicant has complied with one or more conditions for receiving the benefit of an earlier filing date under 35 U.S.C. with a specific reference to the prior-filed application in compliance with 37 CFR 1.78(a) is included in the first sentence(s) of the specification following the title or in an application data sheet. Applicant has also included claiming under 35 U.S.C. 120, 121 or 365(c), the relationship (i.e., continuation, divisional, or continuation-in-part) of the applications. **However, Applicant has failed to recite status (abandoned, patented or co-pending) of the parent application.**

5. Examiner cites particular columns and line numbers in the references as applied to the claims below for the convenience of the applicant. Although the specified citations are representative of the teachings in the art and are applied to the specific limitations within the individual claim, other passages and figures may apply as well. It is respectfully requested that, in preparing responses, the applicant fully consider the references in entirety as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior art or disclosed by the examiner.

Information Disclosure Statement

6. The information disclosure statement (IDS) submitted on 12-31-2015 is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Claim Rejections - 35 USC § 112

7. The following is a quotation of the first paragraph of 35 U.S.C. 112(a):

(a) IN GENERAL.—The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same, and shall set forth the best mode contemplated by the inventor or joint inventor of carrying out the invention.

The following is a quotation of the first paragraph of pre-AIA 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear,

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concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same, and shall set forth the best mode contemplated by the inventor of carrying out his invention.

8. Claim 1 is rejected under 35 U.S.C. 112(a) or 35 U.S.C. 112 (pre-AIA), first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor or a joint inventor, or for pre-AIA the inventor(s), at the time the application was filed, had possession of the claimed invention. The limitation recited in claim 1, "Gas" is not recited in specification. Further the limitation "Gas" is described in specification. Applicant has failed to elaborate in specification how air cushioned be considered as gas.

Claim Rejections - 35 USC § 103

9. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

10. Claims 1 and 2 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shoji Hinata (US 20090096763 A1) in view of Nakanishi Akira et al. (US 20050046622 A1).

Regarding Claim 1, Shoji Hinata (US 20090096763 A1) discloses a display device (page 1, paragraph 3) with a touch panel (page 1, paragraph 3) comprising: the touch panel which includes a first substrate, and a second substrate arranged to face the first substrate in an opposed manner (page 1, paragraph 12 page 2, paragraph 18), wherein: the first substrate and the second substrate each include a detection area (page 1, paragraph 3) configured to detect a coordinate (page 1, paragraph 6, page 3, paragraphs 40-47) and an outside area which includes external terminals (page 1, paragraph 6, page 3, paragraph 40-47, suggests the wiring and lines connecting electrodes are connected to terminal connector external to the touch input area), the first substrate includes a plurality of first lines each configured to detect a coordinate (page 1, paragraphs 3, 5, 6, page 3, paragraphs 40-47), the second substrate includes a plurality of second lines in the detection area which face the first substrate plurality of second lines are configured of metal (page 1, paragraphs 3, 5, 6, page 3, paragraphs 40-47), and a polarizing plate is arranged on the first substrate at a side opposite to the second substrate (page 3, paragraph 36, page 4, paragraph 50, page 8, paragraphs 97, 98).

Shoji Hinata (US 20090096763 A1) fails to disclose an organic emitting display panel under the touch panel; a predetermined layer which is arranged between the organic emitting display panel and the touch panel and includes gas and a seal material surrounding the gas and; and a circular polarizing plate on the touch panel, wherein the

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organic emitting display panel, the predetermined layer the touch panel, and the circular polarizing plate is arranged in this order.

However, in the applicant field of endeavor prior art of Nakanishi Akira et al. (US 20050046622 A1) discloses an organic emitting display panel under the touch panel (page 6, paragraphs 93-100 suggest organic EL display under touch panel); a predetermined layer (abstract, page 6, paragraph 109 for further detail please see paragraphs 93-110) which is arranged between the display panel and the touch panel and includes gas and a seal material surrounding the gas (page 6, paragraph 102-110 suggests having spacer suggests having gap, however, does not recite or disclosed having gas and sealing material, however, Examiner maintains the gas and sealing material between two substrate is well known to one ordinary skill in the art as disclosed by prior art of Kuang-Jung Chen (US 20070145892 A1) disclosure page 3, paragraphs 33-37); and a circular polarizing plate on the touch panel, wherein the organic emitting display panel, the predetermined layer the touch panel, and the circular polarizing plate is arranged in this order (page 11, 188-195 suggesting the order of display, layer, touch panel and circular polarizing plate, please paragraph 194 suggests organic EL display, page 4, paragraph 56, suggesting circular polarizing plate).

The prior art of Shoji Hinata (US 20090096763 A1) provides a base process of a display device with a touch panel comprising; in which the claimed invention can be seen as an improvement in that an organic emitting display panel under the touch panel; a predetermined layer which is arranged between the organic emitting display panel and the touch panel and includes gas and a seal material surrounding the gas

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and; and a circular polarizing plate on the touch panel, wherein the organic emitting display panel, the predetermined layer the touch panel, and the circular polarizing plate is arranged in this order; is known technique disclosed by Nakanishi Akira et al. (US 20050046622 A1) and is applicable to base process of Shoji Hinata (US 20090096763 A1). Nakanishi Akira et al. (US 20050046622 A1) disclosing known technique of an organic emitting display panel under the touch panel; a predetermined layer which is arranged between the organic emitting display panel and the touch panel and includes gas and a seal material surrounding the gas and; and a circular polarizing plate on the touch panel, wherein the organic emitting display panel, the predetermined layer the touch panel, and the circular polarizing plate is arranged in this order would have been recognized by one skill in the art as applicable to base process of Alain Hamm et al. (US 20090167721 A1) and the results would have been predictable and resulted in the stabilized touch panel with excellent in surface smoothness and environmental resistance; which results in an improved process. Therefore, the claimed subject matter would have been obvious to a person having ordinary skill in the art at the time the invention was made.

Regarding Claim 2, Nakanishi Akira et al. (US 20050046622 A1) discloses the touch panel includes a plurality of wiring groups, wherein the each of plurality of wiring groups has some of the first lines, and wherein some of the first lines in each of plurality of wiring groups are banded in each other (please see pages 1, 2, paragraphs 6-20,

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figures 16-21 suggests different wiring patterns are in groups and banded by being printed on the different films, please notice label first is very arbitrary)

11. Claims 3-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shoji Hinata (US 20090096763 A1) in view of Nakanishi Akira et al. (US 20050046622 A1) as applied to claims 1 and 2, above and further in view of Spath Todd M et al. (US 20060274047 A1).

Regarding Claim 3, Alain Hamm et al. (US 20090167721 A1) fails to disclose the plurality of metal lines of the first electrode and the plurality of metal lines of the second electrode are black in color.

However, in the applicant's field of endeavor prior art of Spath Todd M et al. (US 20060274047 A1) wherein the first electrode is formed on a detection area of the first substrate, the second electrode is formed on a detection area of the second substrate, and wherein the plurality of metal lines of the first electrode and the plurality of metal lines of the second electrode are black in color (please see figure 5, page 13, paragraphs 129,130, suggests the first and second electrode sensing touches are on first and second substrates respectively; separated by spacers and air gaps and the metal lines associated with electrodes are carbon black please notice first and second labels are very arbitrary).

The prior art of Alain Hamm et al. (US 20090167721 A1) provides a base process of a display device with a touch panel comprising: a touch panel which includes

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a first substrate, a second substrate arranged to face the first substrate in an opposed manner with a gap formed there between, a first electrode which is constituted of a plurality of metal lines formed on a surface of the first substrate which faces the second substrate, and a second electrode formed on a surface of the second substrate which faces the first substrate; a display panel which is mounted on the second substrate on a side opposite to the first substrate; in which the claimed invention can be seen as an improvement in that the plurality of metal lines of the first electrode and the plurality of metal lines of the second electrode are black in color is known technique disclosed by Spath Todd M et al. (US 20060274047 A1) and is applicable to base process of Alain Hamm et al. (US 20090167721 A1). Spath Todd M et al. (US 20060274047 A1) disclosing known technique of having the first electrode is formed on a detection area of the first substrate, the second electrode is formed on a detection area of the second substrate, and wherein the plurality of metal lines of the first electrode and the plurality of metal lines of the second electrode are black in color; would have been recognized by one skill in the art as applicable to base process of Alain Hamm et al. (US 20090167721 A1) and the results would have been predictable and resulted in the improved brightness as well as better contrast; which results in an improved process. Therefore, the claimed subject matter would have been obvious to a person having ordinary skill in the art at the time the invention was made.

Regarding Claim 4, Nakanishi Akira et al. (US 20050046622 A1) discloses a transparent conductive film overlays the plurality of the second lines, and wherein the

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transparent conductive film is electrically connected to the plurality of the second lines (please see pages 1, 2, paragraphs 6-20, figures 16-21).

Regarding Claim 5, Nakanishi Akira et al. (US 20050046622 A1) discloses a transparent conductive film overlays the plurality of the first lines, and wherein the transparent conductive film is electrically connected to the plurality of the first lines (please see pages 1, 2, paragraphs 6-20, figures 16-21).

Regarding Claim 6, Nakanishi Akira et al. (US 20050046622 A1) discloses a transparent conductive film underlays the plurality of the second lines, and wherein the transparent conductive film is electrically connected to the plurality of the second lines (please see pages 1, 2, paragraphs 6-20, figures 16-21).

Regarding Claim 7, Nakanishi Akira et al. (US 20050046622 A1) discloses a transparent conductive film underlays the plurality of the first lines, and wherein the transparent conductive film is electrically connected to the plurality of the first lines (please see pages 1, 2, paragraphs 6-20, figures 16-21).

Regarding Claim 8, Nakanishi Akira et al. (US 20050046622 A1) discloses the touch panel is a resistance -film- type touch panel (page 1, paragraph 03,

Regarding Claim 9, Nakanishi Akira et al. (US 20050046622 A1) discloses a first adhesive layer between the touch panel and the circular polarizing plate (page 11, 188-195 suggesting the order of display, layer, touch panel and circular polarizing plate, please paragraph 194 suggests organic EL display, page 4, paragraph 56, suggesting circular polarizing plate), wherein the touch panel and the organic emitting display panel are fixed in each other by the seal material (Please see abstract, please paragraph 194 suggests organic EL display, page 6, paragraph 102-110 suggests having spacer suggests having gap, however, does not recite or disclosed having gas and sealing material, however, Examiner maintains the gas and sealing material between two substrate is well known to one ordinary skill in the art as disclosed by prior art of Kuang-Jung Chen (US 20070145892 A1) disclosure page 3, paragraphs 33-37), and the touch panel and the circular polarizing plate are fixed in each other by the first adhesive layer (page 11, 188-195 suggesting the order of display, layer, touch panel and circular polarizing plate, please paragraph 194 suggests organic EL display, page 4, paragraph 56, suggesting circular polarizing plate).

Conclusion

12. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Applicant is requested to review all the cited prior arts on USPTO 892's.

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13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to PRABODH M. DHARIA whose telephone number is (571)272-7668. The examiner can normally be reached on 8:00AM-5:00PM.

14. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Quan-Zhen Wang can be reached on 571-272-3114. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

15. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

P.O. Box 1450

Alexandria VA 22313-1450

Application/Control Number: 14/982,947

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/Prabodh M Dharia/

Primary Examiner,

Art Unit 2629

March 6, 2016



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/982,947	12/29/2015	Takeshi OOKAWARA	1497-50463CC2CON

CONFIRMATION NO. 2272

133303
TYPHA IP LLC
1819 L Street NW Suite 200
Washington, DC 20036

PUBLICATION NOTICE



OC00000082858150

Title:DISPLAY DEVICE WITH TOUCH PANEL

Publication No.US-2016-0132160-A1

Publication Date:05/12/2016

NOTICE OF PUBLICATION OF APPLICATION

The above-identified application will be electronically published as a patent application publication pursuant to 37 CFR 1.211, et seq. The patent application publication number and publication date are set forth above.

The publication may be accessed through the USPTO's publicly available Searchable Databases via the Internet at www.uspto.gov. The direct link to access the publication is currently <http://www.uspto.gov/patft/>.

The publication process established by the Office does not provide for mailing a copy of the publication to applicant. A copy of the publication may be obtained from the Office upon payment of the appropriate fee set forth in 37 CFR 1.19(a)(1). Orders for copies of patent application publications are handled by the USPTO's Office of Public Records. The Office of Public Records can be reached by telephone at (703) 308-9726 or (800) 972-6382, by facsimile at (703) 305-8759, by mail addressed to the United States Patent and Trademark Office, Office of Public Records, Alexandria, VA 22313-1450 or via the Internet.

In addition, information on the status of the application, including the mailing date of Office actions and the dates of receipt of correspondence filed in the Office, may also be accessed via the Internet through the Patent Electronic Business Center at www.uspto.gov using the public side of the Patent Application Information and Retrieval (PAIR) system. The direct link to access this status information is currently <http://pair.uspto.gov/>. Prior to publication, such status information is confidential and may only be obtained by applicant using the private side of PAIR.

Further assistance in electronically accessing the publication, or about PAIR, is available by calling the Patent Electronic Business Center at 1-866-217-9197.

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	Takeshi OOKAWARA	Confirmation No.:	2272
Application No.:	14/982,947	Examiner:	DHARIA, PRABODH M
Filed:	December 29, 2015	Group Art Unit:	2693

For DISPLAY DEVICE WITH TOUCH PANEL

Commissioner for Patents
Alexandria, VA 22313-1450

RESPONSE UNDER 37 C.F.R. § 1.111

Dear Sir:

In response to the Office Action dated March 14, 2016, please amend this application as follows.

AMENDMENT AND PRESENTATION OF CLAIMS	2
REMARKS	5

AMENDMENT AND PRESENTATION OF CLAIMS

Please replace all prior claims in the present application with the following claims.

1. (Currently Amended) A display device comprising:

a touch panel including a first substrate, ~~substrate having a detection area to detect a coordinate and an outside area in which external terminals is formed, a plurality of first lines to detect the coordinate in the detection area, a plurality of second lines to detect the coordinate in the detection~~ area; area, each of the plurality of first lines traversing the each of the plurality of second lines;

an organic emitting display ~~panel under the touch panel;~~

a predetermined layer including ~~which is arranged between the organic emitting display panel and the touch panel and includes gas and~~ a seal material surrounding a space; the gas and;
and

a circular polarizing plate on the touch panel,

wherein

the first lines traverse the second lines,

the organic emitting display panel, the predetermined layer, ~~layer~~ the touch panel, and the circular polarizing plate are ~~[[is]]~~ arranged in this order, and ~~order.~~

the touch panel adheres to the circular polarizing plate.

2. (Currently Amended) A display device according to claim 10,~~[[1,]]~~ wherein the touch panel includes a plurality of wiring groups, wherein ~~[[the]]~~ each of the plurality of wiring groups has some of the first lines, and wherein some of the first lines in each of the plurality of wiring groups are banded in each other.

3. (Currently Amended) A display device according to claim 2, wherein each of the ~~plurality of~~ second lines and the ~~plurality of~~ first lines is made of metal, and each of the ~~plurality of~~ first lines is black in color.

4. (Currently Amended) A display device according to claim 2, wherein a transparent conductive film overlays the ~~plurality of the~~ second lines, and wherein the transparent conductive film is electrically connected to the ~~plurality of the~~ second lines.

5. (Currently Amended) A display device according to claim 3, wherein a transparent conductive film overlays the ~~plurality of the~~ first lines, and wherein the transparent conductive film is electrically connected to the ~~plurality of the~~ first lines.

6. (Currently Amended) A display device according to claim 2, wherein a transparent conductive film underlays the ~~plurality of the~~ second lines, and wherein the transparent conductive film is electrically connected to the ~~plurality of the~~ second lines.

7. (Currently Amended) A display device according to claim 3, wherein a transparent conductive film underlays the ~~plurality of the~~ first lines, and wherein the transparent conductive film is electrically connected to the ~~plurality of the~~ first lines.

8. (Currently Amended) A display device according to claim 10,~~[[1,]]~~ wherein the touch panel is a resistance-film-type touch panel.

9. (Currently Amended) A display device according to claim 10,~~[[1,]]~~ further comprising:
~~including:~~

a first adhesive layer between the touch panel and the circular polarizing plate, wherein the touch panel and the organic emitting display panel are fixed in each other by the seal material, ~~[[and]]~~

wherein the touch panel and the circular polarizing plate are fixed in each other by the first adhesive layer.

10. (New) A display device according to claim 1, further comprising a display panel, wherein at least a portion of the display panel does not overlap the circular polarizing plate in a plan view.

REMARKS

By this amendment, claims 1-10 are pending. Claims 1-9 are currently amended, and claim 10 is newly presented. Support for the amendments and the newly presented claim can be found throughout the original disclosure, for example, FIGS. 5-8 and the corresponding disclosure of the specification. No new matter is introduced.

The Office Action mailed March 14, 2016, rejected claim 1 under pre-AIA 35 U.S.C. § 112, first paragraph, as failing to comply with the written description requirement, claims 1 and 2 under pre-AIA 35 U.S.C. § 103(a) as being *Hinata* (US Pub. 2009/0096763) in view of *Nakanishi et al.* (US Pub. 2005/0046622, hereinafter “*Nakanishi*”), and claims 3-9 *Hinata* in view of *Nakanishi* further in view of *Spath et al.* (US Pub. 2006/0274047, hereinafter “*Spath*”). The rejections are respectfully traversed.

Priority

The Office asserts that Applicant has failed to recites status (abandoned, patented or co-pending) of the parent application (see, page 2 of the Office Action). Applicant respectfully disagrees.

Applicant filed Application Data Sheet and a Preliminary Amendment, each clearly states the status of the parent application.

Rejection of Claim 1 under § 112, first paragraph

The Office asserts that the recitation of “Gas” in claim 1 is not supported by the specification. Applicant respectfully disagrees.

In order to expedite the prosecution, however, Applicant has amended claim 1 by deleting the term, “gas.”

Thus, Applicant respectfully requests that the rejection of claim 1 under § 112, first paragraph be withdrawn.

Rejection of Claims 1 and 2 under § 103(a)

The Office asserts that claims 1 and 2 are obvious over *Hinata* in view of *Nakanishi*. Applicant respectfully disagrees.

In order to expedite the prosecution, however, Applicant has amended claim 1.

Claim 1, as amended, recites, *inter alia*, “the first lines traverse the second lines, the organic emitting display panel, the predetermined layer, the touch panel, and the circular polarizing plate are arranged in this order, and the touch panel adheres to the circular polarizing plate.”

The Office asserts that paragraphs [0003], [0005], [0006], and [0040]-[0047] of *Hinata* disclose the recited first lines and the second lines. However, *Hinata* does not disclose or even suggest the recited features, “the first lines traverse the second lines.”

The Office seems to equate a first polarizing plate 81 and a second polarizing plate 82 of *Hinata* with the recited circular polarizing plate. However, as acknowledged by the Office, *Hinata* fails to disclose or even suggest the recited features, “a circular polarizing plate on the touch panel the organic emitting display panel, the predetermined layer, the touch panel, and the circular polarizing plate are arranged in this order.”

In an attempt to cure the deficiency of *Hinata*, the Office relies on *Nakanishi*.

However, *Nakanishi* does not disclose or suggest the recited circular polarizing plate in a manner recited in claim 1.

The Office asserts that paragraph [0056] of *Nakanishi* suggests the recited circular polarizing plate (see, page 6, lines 15-17 of *Nakanishi*). However, paragraph [0056] of

Nakanishi merely states, [i]n the touch panel of the invention, a polarizer or circular polarizer is disposed on the second transparent substrate,” and “[t]he second transparent substrate is adhered to the marginal outer circumferential part of the touch panel with a strong adhesion with the first transparent substrate, and therefore if the polarizer or circular polarizer is warped, the degree of effect of warp can be reduced.” Paragraph [0056] of *Nakanishi* never discloses or suggests, nor does any other passage of *Nakanishi* disclose or suggest “a circular polarizing plate on the touch panel,” wherein “**the touch panel adheres to the circular polarizing plate**” (emphasis added).

Thus, the applied references, when taken singularly or in combination fail to disclose or even suggest all of the features recited in claim 1.

Accordingly, Applicant respectfully requests that the rejection of claim 1 be withdrawn. Further, Applicant has amended claim 2 by amending the dependency. Claim 2, as amended, depends from newly presented claim 10, which in turn depends from claim 1. Thus, claim 2 is patentable at least for the reason advanced for claim 1 as well as features recited in claims 2 and 10. Accordingly, Applicant respectfully requests that the rejection of claim 2 be withdrawn.

Rejection of Claims 3-9 under § 103(a)

The Office asserts that claims 3-9 are obvious over *Hinata* in view of *Nakanishi* further in view of *Spath*. Applicant respectfully disagrees.

As explained above, claim 1, from which claims 3-9 originally depends, is not obvious over *Hinata* in view of *Nakanishi*. Further, the additional reference, *Spath*, does not cure the deficiencies of *Hinata* in view of *Nakanishi*.

Thus, claims 3-9 are patentable at least for the reason claim 1 is patentable.

Accordingly, Applicant respectfully requests that the rejection of claims 3-9 be withdrawn.

Newly Presented Claim 10

As explained above, newly presented claim 10 is fully supported by the original disclosure.

Further, as explained above, claim 1, from which claim 10 depends, is patentable over the applied references.

Thus, claim 10 is patentable at least for the reason claim 1 is patentable, as well as for features, which are not disclosed or suggested by the applied references.

Conclusion

Therefore, the present application, as amended, overcomes the rejections of record and is in condition for allowance. Favorable consideration is respectfully requested.

To the extent necessary, a petition for an extension of time under 37 C.F.R. § 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 506785 and please credit any excess fees to such deposit account.

Respectfully submitted,
TYPHA IP LLC

/Arimi Yamada/

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Attorney Docket No.: 1497-50463CC2CON
Application No.: 14/982,947

Patent

Dated: June 14, 2016



UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/982,947	12/29/2015	Takeshi OOKAWARA	1497-50463CC2CON	2272
133303 7590 08/02/2016 TYPHA IP LLC 1819 L Street NW Suite 200 Washington, DC 20036			EXAMINER DHARIA, PRABODH M	
			ART UNIT 2693	PAPER NUMBER
			MAIL DATE 08/02/2016	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 14/982,947	Applicant(s) OOKAWARA ET AL.	
	Examiner PRABODH M. DHARIA	Art Unit 2693	AIA (First Inventor to File) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on 06-14-2016.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.

3) ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

4) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

5) ☒ Claim(s) 1-10 is/are pending in the application.
5a) Of the above claim(s) _____ is/are withdrawn from consideration.

6) ☐ Claim(s) _____ is/are allowed.

7) ☒ Claim(s) 1-10 is/are rejected.

8) ☐ Claim(s) _____ is/are objected to.

9) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

Application Papers

10) ☐ The specification is objected to by the Examiner.

11) ☒ The drawing(s) filed on 12-29-2015 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

a) ☒ All b) ☐ Some** c) ☐ None of the:

1. ☒ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. _____.

3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b)
Paper No(s)/Mail Date _____.

3) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.

4) ☐ Other: _____.

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Detailed office Action

1. The present application is being examined under the pre-AIA first to invent provisions.
2. **Status:** Please all the replies and correspondence should be addressed to Examiner's new art unit 2693. Receipt is acknowledged of papers submitted on 06-14-2016 under new application, which have been placed of record in the file. Claims 1-10 are pending in this action.

Response to Amendment

3. The amendment filed 06-14-2016 does not introduce any new matter into the disclosure. The added material is supported by the original disclosure. Applicant has amended claims 1-10 to overcome prior art rejection.

Response to Arguments

4. Applicant's arguments, see remark, filed 06-14-2016, with respect to the rejection(s) of amended claim(s) 1-10 under 35 U.S.C. 103(a) as being unpatentable over Shoji Hinata (US 20090096763 A1) in view of Nakanishi Akira et al. (US 20050046622 A1) have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Noriharu Matsudate et al. (US 20080303798 A1).

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5. Further Applicant has amended Claim1 per 35 U.S.C. 112 rejection, therefore 35 U.S.C. 112 rejection is withdrawn. Applicant's arguments regarding priority is persuasive. Therefore objection to priority is withdrawn.

6. **Further Examiner is available to discuss any issue to be resolve to move instant application forward and achieve compact prosecution at the phone number 571-272-7668.**

7. Examiner cites particular columns and line numbers in the references as applied to the claims below for the convenience of the applicant. Although the specified citations are representative of the teachings in the art and are applied to the specific limitations within the individual claim, other passages and figures may apply as well. **It is respectfully requested that, in preparing responses, the applicant fully consider the references in entirety as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior art or disclosed by the examiner.**

Claim Rejections - 35 USC § 103

8. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made

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to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

9. Claims 1 and 2 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shoji Hinata (US 20090096763 A1) in view of Nakanishi Akira et al. (US 20050046622 A1) and Noriharu Matsudate et al. (US 20080303798 A1).

Regarding Claim 1, Shoji Hinata (US 20090096763 A1) discloses a display device (page 1, paragraph 3) with a touch panel (page 1, paragraph 3) comprising: the touch panel which includes a first substrate, and a second substrate arranged to face the first substrate in an opposed manner (page 1, paragraph 12 page 2, paragraph 18), wherein: the first substrate and the second substrate each include a detection area (page 1, paragraph 3) configured to detect a coordinate (page 1, paragraph 6, page 3, paragraphs 40-47) and an outside area which includes external terminals (page 1, paragraph 6, page 3, paragraph 40-47, suggests the wiring and lines connecting electrodes are connected to terminal connector external to the touch input area), the first substrate includes a plurality of first lines each configured to detect a coordinate (page 1, paragraphs 3, 5, 6, page 3, paragraphs 40-47), the second substrate includes a plurality of second lines in the detection area which face the first substrate plurality of second lines are configured of metal (page 1, paragraphs 3, 5, 6, page 3, paragraphs 40-47), and a polarizing plate is arranged on the first substrate at a side opposite to the second substrate (page 3, paragraph 36, page 4, paragraph 50, page 8, paragraphs 97, 98).

Shoji Hinata (US 20090096763 A1) fails to disclose an organic emitting display panel under the touch panel; a predetermined layer which is arranged between the organic emitting display panel and the touch panel and includes gas and a seal material surrounding the gas and; and a circular polarizing plate on the touch panel, wherein the organic emitting display panel, the predetermined layer the touch panel, and the circular polarizing plate is arranged in this order.

However, in the applicant field of endeavor prior art of Nakanishi Akira et al. (US 20050046622 A1) discloses an organic emitting display panel under the touch panel (page 6, paragraphs 93-100 suggest organic EL display under touch panel); a predetermined layer (abstract, page 6, paragraph 109 for further detail please see paragraphs 93-110) which is arranged between the display panel and the touch panel and includes gas and a seal material surrounding the gas (page 6, paragraph 102-110 suggests having spacer suggests having gap, however, does not recite or disclosed having gas and sealing material, however, Examiner maintains the gas and sealing material between two substrate is well known to one ordinary skill in the art as disclosed by prior art of Kuang-Jung Chen (US 20070145892 A1) disclosure page 3, paragraphs 33-37); and prior art of Nakanishi Akira et al. (US 20050046622 A1) discloses a circular polarizing plate on the touch panel, wherein the organic emitting display panel, the predetermined layer the touch panel, and the circular polarizing plate is arranged in this order (page 11, 188-195 suggesting the order of display, layer, touch panel and circular polarizing plate, please paragraph 194 suggests organic EL display, page 4, paragraph 56, suggesting circular polarizing plate).

The prior art of Shoji Hinata (US 20090096763 A1) provides a base process of a display device with a touch panel comprising; in which the claimed invention can be seen as an improvement in that an organic emitting display panel under the touch panel; a predetermined layer which is arranged between the organic emitting display panel and the touch panel and includes gas and a seal material surrounding the gas and; and a circular polarizing plate on the touch panel, wherein the organic emitting display panel, the predetermined layer the touch panel, and the circular polarizing plate is arranged in this order; is known technique disclosed by Nakanishi Akira et al. (US 20050046622 A1) and is applicable to base process of Shoji Hinata (US 20090096763 A1). Nakanishi Akira et al. (US 20050046622 A1) disclosing known technique of an organic emitting display panel under the touch panel; a predetermined layer which is arranged between the organic emitting display panel and the touch panel and includes gas and a seal material surrounding the gas and; and a circular polarizing plate on the touch panel, wherein the organic emitting display panel, the predetermined layer the touch panel, and the circular polarizing plate is arranged in this order would have been recognized by one skill in the art as applicable to base process of Alain Hamm et al. (US 20090167721 A1) and the results would have been predictable and resulted in the stabilized touch panel with excellent in surface smoothness and environmental resistance; which results in an improved process. Therefore, the claimed subject matter would have been obvious to a person having ordinary skill in the art at the time the invention was made.

The prior art of Shoji Hinata (US 20090096763 A1) fails to disclose the circular polarizer adheres to touch panel.

Examiner maintains the circular polarizer adheres to touch panel is well known to one ordinary skill in the art as disclosed prior art of Noriharu Matsudate et al. (US 20080303798 A1) disclosure pages 2, 3, paragraphs 55 suggests organic EL display, predetermined layer of resin, touch panel, and circular polarizing plate and polarizing circular plates is adheres to touch panel please see figure 2, suggests sub2 is touch panel with circular polarized plates bonded to resin with organic EL display, for detail please see pages 2, 3, paragraphs 50-53.

Please also see prior art of Keiichi Minakuchi (US 20020047969 A1) disclosure, please see figures 1, 8, page 2, paragraphs 25-29, pages 3, 4, paragraphs 37-48.

The prior art of Alain Hamm et al. (US 20090167721 A1) provides a base process of a display device with a touch panel comprising: a touch panel which includes a first substrate, a second substrate arranged to face the first substrate in an opposed manner with a gap formed there between, a first electrode which is constituted of a plurality of metal lines formed on a surface of the first substrate which faces the second substrate, and a second electrode formed on a surface of the second substrate which faces the first substrate; a display panel which is mounted on the second substrate on a side opposite to the first substrate; in which the claimed invention can be seen as an improvement in that the circular polarizer adheres to touch panel is known technique disclosed by Noriharu Matsudate et al. (US 20080303798 A1) and is applicable to base process of Alain Hamm et al. (US 20090167721 A1). Noriharu Matsudate et al. (US

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20080303798 A1) disclosing known technique of having the circular polarizer adheres to touch panel would have been recognized by one skill in the art as applicable to base process of Alain Hamm et al. (US 20090167721 A1) and the results would have been predictable and resulted in the improved brightness as well as better contrast with better visibility by eliminating or reducing deterioration; which results in an improved process. Therefore, the claimed subject matter would have been obvious to a person having ordinary skill in the art at the time the invention was made.

Regarding Claim 2, Nakanishi Akira et al. (US 20050046622 A1) discloses the touch panel includes a plurality of wiring groups, wherein the each of plurality of wiring groups has some of the first lines, and wherein some of the first lines in each of plurality of wiring groups are banded in each other (please see pages 1, 2, paragraphs 6-20, figures 16-21 suggests different wiring patterns are in groups and banded by being printed on the different films, please notice label first is very arbitrary). Please also see prior art of Noriharu Matsudate et al. (US 20080303798 A1) disclosure; page2-4, paragraphs 28, 32, 50-53, 55, 71-105.

10. Claims 3-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shoji Hinata (US 20090096763 A1) in view of Nakanishi Akira et al. (US 20050046622 A1) and Noriharu Matsudate et al. (US 20080303798 A1) as applied to claims 1 and 2, above and further in view of Spath Todd M et al. (US 20060274047 A1).

Regarding Claim 3, Alain Hamm et al. (US 20090167721 A1) fails to disclose the plurality of metal lines of the first electrode and the plurality of metal lines of the second electrode are black in color.

However, in the applicant's field of endeavor prior art of Spath Todd M et al. (US 20060274047 A1) wherein the first electrode is formed on a detection area of the first substrate, the second electrode is formed on a detection area of the second substrate, and wherein the plurality of metal lines of the first electrode and the plurality of metal lines of the second electrode are black in color (please see figure 5, page 13, paragraphs 129,130, suggests the first and second electrode sensing touches are on first and second substrates respectively; separated by spacers and air gaps and the metal lines associated with electrodes are carbon black please notice first and second labels are very arbitrary). Please also see prior art of Noriharu Matsudate et al. (US 20080303798 A1) disclosure; page2-4, paragraphs 28, 32, 50-53, 55, 71-105.

The prior art of Alain Hamm et al. (US 20090167721 A1) provides a base process of a display device with a touch panel comprising: a touch panel which includes a first substrate, a second substrate arranged to face the first substrate in an opposed manner with a gap formed there between, a first electrode which is constituted of a plurality of metal lines formed on a surface of the first substrate which faces the second substrate, and a second electrode formed on a surface of the second substrate which faces the first substrate; a display panel which is mounted on the second substrate on a side opposite to the first substrate; in which the claimed invention can be seen as an improvement in that the plurality of metal lines of the first electrode and the plurality of

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metal lines of the second electrode are black in color is known technique disclosed by Spath Todd M et al. (US 20060274047 A1) and is applicable to base process of Alain Hamm et al. (US 20090167721 A1). Spath Todd M et al. (US 20060274047 A1) disclosing known technique of having the first electrode is formed on a detection area of the first substrate, the second electrode is formed on a detection area of the second substrate, and wherein the plurality of metal lines of the first electrode and the plurality of metal lines of the second electrode are black in color; would have been recognized by one skill in the art as applicable to base process of Alain Hamm et al. (US 20090167721 A1) and the results would have been predictable and resulted in the improved brightness as well as better contrast; which results in an improved process. Therefore, the claimed subject matter would have been obvious to a person having ordinary skill in the art at the time the invention was made.

Regarding Claim 4, Nakanishi Akira et al. (US 20050046622 A1) discloses a transparent conductive film overlays the plurality of the second lines, and wherein the transparent conductive film is electrically connected to the plurality of the second lines (please see pages 1, 2, paragraphs 6-20, figures 16-21). Please also see prior art of Noriharu Matsudate et al. (US 20080303798 A1) disclosure; page2-4, paragraphs 28, 32, 50-53, 55, 71-105.

Regarding Claim 5, Nakanishi Akira et al. (US 20050046622 A1) discloses a transparent conductive film overlays the plurality of the first lines, and wherein the

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transparent conductive film is electrically connected to the plurality of the first lines (please see pages 1, 2, paragraphs 6-20, figures 16-21). Please also see prior art of Noriharu Matsudate et al. (US 20080303798 A1) disclosure; page2-4, paragraphs 28, 32, 50-53, 55, 71-105.

Regarding Claim 6, Nakanishi Akira et al. (US 20050046622 A1) discloses a transparent conductive film underlays the plurality of the second lines, and wherein the transparent conductive film is electrically connected to the plurality of the second lines (please see pages 1, 2, paragraphs 6-20, figures 16-21). Please also see prior art of Noriharu Matsudate et al. (US 20080303798 A1) disclosure; page2-4, paragraphs 28, 32, 50-53, 55, 71-105.

Regarding Claim 7, Nakanishi Akira et al. (US 20050046622 A1) discloses a transparent conductive film underlays the plurality of the first lines, and wherein the transparent conductive film is electrically connected to the plurality of the first lines (please see pages 1, 2, paragraphs 6-20, figures 16-21). Please also see prior art of Noriharu Matsudate et al. (US 20080303798 A1) disclosure; page2-4, paragraphs 28, 32, 50-53, 55, 71-105.

Regarding Claim 8, Nakanishi Akira et al. (US 20050046622 A1) discloses the touch panel is a resistance -film- type touch panel (page 1, paragraph 03). Please also

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see prior art of Noriharu Matsudate et al. (US 20080303798 A1) disclosure; page 1, paragraph 8, page 3 paragraph 68.

Regarding Claim 9, Nakanishi Akira et al. (US 20050046622 A1) discloses a first adhesive layer between the touch panel and the circular polarizing plate (page 11, 188-195 suggesting the order of display, layer, touch panel and circular polarizing plate, please paragraph 194 suggests organic EL display, page 4, paragraph 56, suggesting circular polarizing plate), wherein the touch panel and the organic emitting display panel are fixed in each other by the seal material (Please see abstract, please paragraph 194 suggests organic EL display, page 6, paragraph 102-110 suggests having spacer suggests having gap, however, does not recite or disclosed having gas and sealing material, however, Examiner maintains the gas and sealing material between two substrate is well known to one ordinary skill in the art as disclosed by prior art of Kuang-Jung Chen (US 20070145892 A1) disclosure page 3, paragraphs 33-37), and the touch panel and the circular polarizing plate are fixed in each other by the first adhesive layer (page 11, 188-195 suggesting the order of display, layer, touch panel and circular polarizing plate, please paragraph 194 suggests organic EL display, page 4, paragraph 56, suggesting circular polarizing plate). Please also see prior art of Noriharu Matsudate et al. (US 20080303798 A1) disclosure; page 2-4, paragraphs 28, 32, 50-53, 55, 71-105.

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Regarding Claim 10, Nakanishi Akira et al. (US 20050046622 A1) discloses a display panel, wherein at least a portion of the display panel does not overlap the circular polarizing plate in a plan view (Please see abstract, please paragraph 194 suggests organic EL display, page 6, paragraph 102-110 suggests having spacer suggests having gap, however, does not recite or disclosed having gas and sealing material, and the touch panel and the circular polarizing plate are fixed in each other by the first adhesive layer (page 11, 14, 188-195, 244-248 suggesting the order of display, layer, touch panel and circular polarizing plate not covering total display panel, please paragraph 194 suggests organic EL display, page 4, paragraph 56, suggesting circular polarizing plate) Please also see prior art of Noriharu Matsudate et al. (US 20080303798 A1) disclosure; figures 1-7, 13, 14, page 2-4, paragraphs 28, 32, 50-53, 55, 71-105.

11. Applicant is requested to review all the cited prior arts on USPTO 892's.

Conclusion

12. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within

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TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to PRABODH M. DHARIA whose telephone number is (571)272-7668. The examiner can normally be reached on 8:00AM-5:00PM.

14. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Quan-Zhen Wang can be reached on 571-272-3114. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

15. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

Art Unit: 2693

USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

P.O. Box 1450

Alexandria VA 22313-1450

/Prabodh M Dharia/

Primary Examiner,

Art Unit 2693

July 30, 2016

Notice of References Cited	Application/Control No. 14/982,947		Applicant(s)/Patent Under Reexamination OOKAWARA ET AL.	
	Examiner PRABODH M. DHARIA		Art Unit 2693	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-6,738,117 B2	05-2004	Minakuchi; Keiichi	G02F1/13338	349/118
*	B	US-2002/0047969 A1	04-2002	Minakuchi, Keiichi	G02F1/13338	349/117
*	C	US-2005/0046622 A1	03-2005	Nakanishi, Akira	G06F3/0488	345/173
*	D	US-6,739,929 B2	05-2004	Furukawa; Keiichi	B32B17/06	445/24
*	E	US-7,602,451 B2	10-2009	Hinata; Shoji	G02F1/1333	345/173
*	F	US-2008/0303798 A1	12-2008	Matsudate; Noriharu	G06F3/0412	345/173
	G	US-				
	H	US-				
	I	US-				
	J	US-				
	K	US-				
	L	US-				
	M	US-				

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Takeshi OOKAWARA	Confirmation No.: 2272
Application No.: 14/982,947	Examiner: DHARIA, PRABODH M
Filed: December 29, 2015	Group Art Unit: 2693

For DISPLAY DEVICE WITH TOUCH PANEL

MAIL STOP RCE

Commissioner for Patents
Alexandria, VA 22313-1450

RESPONSE UNDER 37 C.F.R. § 1.114

Dear Sir:

In response to the Office Action dated August 2, 2016, the following Amendments and Remarks are submitted together with a Request for Continued Examination (RCE). Please amend this application as follows.

AMENDMENT AND PRESENTATION OF CLAIMS 2

REMARKS 6

AMENDMENT AND PRESENTATION OF CLAIMS

Please replace all prior claims in the present application with the following claims.

1. (Currently Amended) A display device comprising:

an organic emitting display panel;

a predetermined layer arranged above the organic emitting display panel;

a touch panel, arranged above the predetermined layer; including a first substrate,

first lines to detect [[the]]a coordinate in [[the]]a detection area, second lines to detect the
coordinate in the detection area;

~~an organic emitting display panel;—~~

~~a predetermined layer including a seal material surrounding a space; and~~

a circular polarizing plate, arranged above[[on]] the touch panel, adhering to the touch
panel,

wherein

~~the first lines traverse the second lines,~~

~~the organic emitting display panel, the predetermined layer, the touch panel, and the~~
~~circular polarizing plate are arranged in this order, and—~~

~~the touch panel adheres to the circular polarizing plate—~~

the lines include metal lines which overlap the predetermined layer, and

the predetermined layer is softer than the circular polarizing plate.

2. (Currently Amended) A display device according to claim 10, wherein the lines
include first lines and second lines,

the touch panel includes a plurality of wiring groups,

~~wherein~~ each of the plurality of wiring groups has some of the first lines, and
~~wherein~~ some of the first lines in each of the plurality of wiring groups are banded in
each other.

3. (Previously Presented) A display device according to claim 2, wherein each of the
second lines and the first lines is made of metal, and each of the first lines is black in color.

4. (Previously Presented) A display device according to claim 2, wherein a transparent
conductive film overlays the second lines, and wherein the transparent conductive film is
electrically connected to the second lines.

5. (Previously Presented) A display device according to claim 3, wherein a transparent
conductive film overlays the first lines, and wherein the transparent conductive film is
electrically connected to the first lines.

6. (Previously Presented) A display device according to claim 2, wherein a transparent
conductive film underlays the second lines, and wherein the transparent conductive film is
electrically connected to the second lines.

7. (Previously Presented) A display device according to claim 3, wherein a transparent
conductive film underlays the first lines, and wherein the transparent conductive film is
electrically connected to the first lines.

8. (Previously Presented) A display device according to claim 10, wherein the touch panel is a resistance-film-type touch panel.

9. (Previously Presented) A display device according to claim 10, further comprising:
a first adhesive layer between the touch panel and the circular polarizing plate, wherein the touch panel and the organic emitting display panel are fixed in each other by the seal material,
wherein the touch panel and the circular polarizing plate are fixed in each other by the first adhesive layer.

10. (Previously Presented) A display device according to claim 1, further comprising a display panel, wherein at least a portion of the display panel does not overlap the circular polarizing plate in a plan view.

11. (New) A display device according to claim 1,
wherein a width of the metal lines is less than 50% of a wiring pitch of the metal lines.

12. (New) A display device according to claim 1,
wherein the lines include ITO lines and
the ITO lines overlap a region where the metal lines overlap the predetermined layer and the circular polarizing plate.

13. (New) A display device according to claim 1,
wherein the lines include outside lines arranged outside the detection area and

a wiring pitch of the outside lines is narrower than a wiring pitch of the lines in the detection area.

14. (New) A display device comprising:

an organic emitting display panel;

a predetermined layer arranged above the organic emitting display panel;

a touch panel, arranged above the predetermined layer;

lines to detect a coordinate in a detection area; and

a circular polarizing plate, arranged above the touch panel, adhering to the touch panel,

wherein the lines overlap the predetermined layer, and

the predetermined layer is softer than the circular polarizing plate.

REMARKS

By this amendment, claims 1-14 are pending, in which claims 1 and 2 are currently amended, and claims 11-14 are newly presented. Support for the amendment and the newly presented claims can be found throughout the original disclosure, for example, FIG. 7 and the corresponding disclosure of the specification. No new matter is introduced.

The Office Action mailed August 2, 2016, **A**) rejected claims 1, 2, and 10¹ under pre-AIA 35 U.S.C. § 103(a) as being unpatentable over *Shoji Hinata* (U.S. Pub. 2009/0096763 A1, hereinafter “*Hinata*”) in view of *Nakanishi Akira et al.* (U.S. Pub. 2005/0046622 A1, hereinafter “*Nakanishi*”) and *Noriharu Matsudate et al.* (U.S. Pub. 2008/0303798 A1, hereinafter “*Matsudate*”); and **B**) rejected claims 3-9 under pre-AIA 35 U.S.C. § 103(a) as being unpatentable over *Hinata* in view of *Nakanishi* and *Matsudate* and further in view of *Spath Todd M et al.* (U.S. Pub. 2006/0274047 A1, hereinafter “*Spath*”). The rejections are respectfully traversed.

Amendments to the Claims

As mentioned above, Applicant has amended one or more claims in this application. Applicant is not conceding in this application that these claims are not patentable over the art cited by the Office, as the present claim amendments are only for facilitating expeditious prosecution of allowable subject matter. Applicant respectfully reserves the right to pursue the original claims and other claims in one or more continuations and/or divisional patent applications.

¹ The Office Action rejected claim 10 under pre-AIA § 103(a) as being unpatentable over *Hinata* in view of *Nakanishi* and *Matsudate* and further in view of *Spath*. However, claim 2, which depends from claim 10, is rejected based only on *Hinata*, *Nakanishi*, and *Matsudate*. The Examiner confirmed over the phone that claim 10 is rejected based on *Hinata*, *Nakanishi*, and *Matsudate* only.

A. Rejection of Claims 1, 2, and 10 under pre-AIA 35 U.S.C. § 103(a)

The Office asserts that claims 1, 2, and 10 are unpatentable over *Hinata*, *Akira*, and *Matsudate* (see, pages 4-8 of the Office Action). Applicant respectfully disagrees.

Nonetheless, in order to expedite the prosecution, Applicant has amended independent claim 1 without conceding the Office's assertion regarding the patentability of previously recited claims.

The Office acknowledged that *Hinata* “fails to disclose an organic emitting display panel under the touch panel; a predetermined layer which is arranged between the organic emitting display panel and the touch panel and includes gas and a seal material surrounding the gas and; and a circular polarizing plate on the touch panel, wherein the organic emitting display panel, the predetermined layer the touch panel, and the circular polarizing plate is arranged in this order” (see, page 5, lines 1-6 of the Office Action).

In an attempt to cure the admitted deficiencies of *Hinata*, the Office relies on *Nakanishi*.

The Office seems to asserts that items 400 and 61 of FIG. 11 of *Nakanishi* respectively correspond to the recited predetermined layer and the circular polarizing plate (see, page 5, lines 7-22 of the Office Action).

Items 400 of *Nakanishi* is a touch panel operation region and **a part of a touch panel** disclosed by *Nakanishi* (see, paragraphs [0089] [0103] [0109] of *Nakanishi*).

By contrast, claim 1, as amended, recites, *inter alia*, “a predetermined layer arranged above the organic emitting display panel” and “a touch panel, arranged **above the predetermined layer**” (emphasis added). As illustrated in FIG. 11 of It is clear that any touch panel is arranged above the touch panel operation region 400 of *Nakanishi*.

Claim 1, as amended, further recites, *inter alia*, “the predetermined layer is softer than the circular polarizing plate.” As explained above, *Nakanishi* does not disclose the predetermined

layer in the manner recited in claim 1, much less that the predetermined layer is softer than the circular polarizing plate.

The additional reference, *Matsudate*, does not cure the above deficiencies of the combination of *Hinata* and *Nakanishi*.

Moreover, *Kuang-Jung Chen* (US Pub. 2007/0145892) and *Alain Hamm et al.* (US Pub. 2009/0167721) stated in the Office Action (see, page 5 and 6 of the Office Action) do not cure the deficiencies of the applied references.

Thus, the combination of *Hinata*, *Nakanishi*, and *Matsudate* does not render all recited features of claim 1 obvious. Further, claims 2 and 10, each depending originally from claim 1, are patentable at least for the reasons advanced for claim 1 as well as for additional features each of these claims recites.

B. Rejection of Claims 3-9 under pre-AIA 35 U.S.C. § 103(a)

The Office asserts that claims 3-9 are unpatentable over *Hinata*, *Nakanishi*, *Matsudate* and *Spath* (see, pages 8-13 of the Office Action). Applicant respectfully disagrees.

As discussed above, claim 1, from which each of claims 3-9 originally depends, are not obvious over *Hinata* in view of *Nakanishi* and further in view of *Matsudate*. The additional reference, *Spath*, does not cure the deficiencies of *Hinata*, *Nakanishi*, and *Matsudate*.

Thus, the combination of *Hinata*, *Nakanishi*, *Matsudate*, and *Spath* does not disclose or even suggest all recited features of claim 1.

Accordingly, claims 3-9 are patentable over the applied references at least for the reasons claim 1 is patentable over the references as well as for additional features these claims recite.

Therefore, Applicant respectfully requests that the rejection of these claims be withdrawn.

Newly Presented Claims 11-14

As explained above, newly presented claims 11-14 are fully supported by the original disclosure.

Since each of claims 11-13 depends from claim 1, these claims are patentable at least for the reasons claim 1 is patentable as well as for additional features these claims recite.

Independent claim 14 is patentable over the applied references at least for the recited features not disclosed or suggested by the references.

For example, the combination of the references at least fails to disclose “a predetermined layer arranged above the organic emitting display panel” wherein “the predetermined layer is softer than the circular polarizing plate.”

Thus, Applicant respectfully submits that newly presented claims 11-14 are in allowable condition.

Conclusion

Therefore, the present application, as amended, overcomes the rejections of record and is in condition for allowance. Favorable consideration is respectfully requested.

To the extent necessary, a petition for an extension of time under 37 C.F.R. § 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 506785 and please credit any excess fees to such deposit account.

Respectfully submitted,
TYPHA IP LLC
/Arimi Yamada/

Attorney Docket No.: 1497-50463CC2CON
Application No.: 14/982,947

Patent

Arimi Yamada
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UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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Alexandria, Virginia 22313-1450
www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

133303 7590 01/17/2017
TYPHA IP LLC
1819 L Street NW Suite 200
Washington, DC 20036

EXAMINER

DHARIA, PRABODH M

ART UNIT

PAPER NUMBER

2693

DATE MAILED: 01/17/2017

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/982,947	12/29/2015	Takeshi OOKAWARA	1497-50463CC2CON	2272

TITLE OF INVENTION: DISPLAY DEVICE WITH TOUCH PANEL

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$960	\$0	\$0	\$960	04/17/2017

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

**Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885**

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

133303 7590 01/17/2017
TYPHA IP LLC
1819 L Street NW Suite 200
Washington, DC 20036

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/982,947	12/29/2015	Takeshi OOKAWARA	1497-50463CC2CON	2272

TITLE OF INVENTION: DISPLAY DEVICE WITH TOUCH PANEL

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$960	\$0	\$0	\$960	04/17/2017

EXAMINER	ART UNIT	CLASS-SUBCLASS
DHARIA, PRABODH M	2693	345-174000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) The names of up to 3 registered patent attorneys or agents OR, alternatively, 1 _____
(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 _____
3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee
☐ Publication Fee (No small entity discount permitted)
☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
☐ Payment by credit card. Form PTO-2038 is attached.
☐ The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ Applicant certifying micro entity status. See 37 CFR 1.29
☐ Applicant asserting small entity status. See 37 CFR 1.27
☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature _____ Date _____
Typed or printed name _____ Registration No. _____



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/982,947	12/29/2015	Takeshi OOKAWARA	1497-50463CC2CON	2272
133303 7590 01/17/2017 TYPHA IP LLC 1819 L Street NW Suite 200 Washington, DC 20036			EXAMINER DHARIA, PRABODH M	
			ART UNIT 2693	PAPER NUMBER
DATE MAILED: 01/17/2017				

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. 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 1.14. This collection is estimated to take 12 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, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. 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.

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. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to 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)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Applicant-Initiated Interview Summary	Application No.	Applicant(s)	
	14/982,947	OOKAWARA ET AL.	
	Examiner	Art Unit	
	PRABODH M. DHARIA	2693	

All participants (applicant, applicant's representative, PTO personnel):

(1) PRABODH M. DHARIA. (3) _____.

(2) Arimi Yamada. (4) _____.

Date of Interview: 06 January 2017.

Type: ☒ Telephonic ☐ Video Conference
 ☐ Personal [copy given to: ☐ applicant ☒ applicant's representative]

Exhibit shown or demonstration conducted: ☐ Yes ☒ No.
 If Yes, brief description: None.

Issues Discussed ☐101 ☐112 ☐102 ☒103 ☐Others
 (For each of the checked box(es) above, please describe below the issue and detailed description of the discussion)

Claim(s) discussed: 1.

Identification of prior art discussed: Shoji Hinata (US 20090096763 A1) in view of Nakanishi Akira et al. (US 20050046622 A1) and Noriharu Matsudate et al. (US 20080303798 A1) and newly searched prior arts cites on USPTO 892's.

Substance of Interview
 (For each issue discussed, provide a detailed description and indicate if agreement was reached. Some topics may include: identification or clarification of a reference or a portion thereof, claim interpretation, proposed amendments, arguments of any applied references etc...)

Examiner and applicant's representative discussed claim 1, 14 limitation in the view of Shoji Hinata (US 20090096763 A1) in view of Nakanishi Akira et al. (US 20050046622 A1) and Noriharu Matsudate et al. (US 20080303798 A1) and newly searched prior arts cites on USPTO 892's on 01-06-2017. Further Examiner proposed amendments to independent claims 1, 14, by adding newly added dependent claims 11-13. Examiner conducted preliminary search on possible amendments to overcome Shoji Hinata (US 20090096763 A1) in view of Nakanishi Akira et al. (US 20050046622 A1) and Noriharu Matsudate et al. (US 20080303798 A1) and newly searched prior arts. The preliminary search indicated, the newly proposed amendments does seem to overcome Shoji Hinata (US 20090096763 A1) in view of Nakanishi Akira et al. (US 20050046622 A1) and Noriharu Matsudate et al. (US 20080303798 A1) as well as all the cited prior arts on USPTO 892's. Applicant's representative agreed to amend the claims accordingly per applicant's approval. Applicant's representative E-mailed amendments to independent claims 1 and 14 per Applicant's approval. Examiner thanks applicant and applicant's representative to authorize Examiner to do Examiner Amendments not only to amend independent claims 1 and 14 but also to cancel dependent claims 11-13; during a telephone interview with applicant's representative on 01-10-2017, 01-11-2017, to move instant application forward and achieve compact prosecution.

Applicant recordation instructions: The formal written reply to the last Office action must include the substance of the interview. (See MPEP section 713.04). If a reply to the last Office action has already been filed, applicant is given a non-extendable period of the longer of one month or thirty days from this interview date, or the mailing date of this interview summary form, whichever is later, to file a statement of the substance of the interview

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

☐ Attachment

/PRABODH M DHARIA/ Primary Examiner, Art Unit 2693	
---	--

U.S. Patent and Trademark Office
PTOL-413 (Rev. 8/11/2010)

Interview Summary

Paper No. 20161229

Summary of Record of Interview Requirements**Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record**

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews

Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

Notice of Allowability	Application No. 14/982,947	Applicant(s) OOKAWARA ET AL.	
	Examiner PRABODH M. DHARIA	Art Unit 2693	AIA (First Inventor to File) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 11-01-2016.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
3. ☒ The allowed claim(s) is/are 1-10 and 14. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

- a) ☒ All b) ☐ Some *c) ☐ None of the:

1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. ☒ Notice of References Cited (PTO-892) | 5. ☒ Examiner's Amendment/Comment |
| 2. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 6. ☒ Examiner's Statement of Reasons for Allowance |
| 3. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 7. ☐ Other _____. |
| 4. ☒ Interview Summary (PTO-413),
Paper No./Mail Date <u>01-06-2017</u> . | |

/PRABODH M DHARIA/
Primary Examiner, Art Unit 2693

Detailed Office Action

1. The present application is being examined under the pre-AIA first to invent provisions.
2. **Status:** Please all the replies and correspondence should be addressed to Examiner's new art unit 2693. Receipt is acknowledged of papers submitted on 11-01-2016 under amendments and request for reconsideration, which have been placed of record in the file. Claims 1-14 are pending in this action. Applicant's representative has authorized examiner to do examiner amendments during telephone interview on 01-10-2017 as well as 01-11-2017 to amend claims 1 and 14 as well as cancelled dependent claims 11-13 to expedite allowability of the instant application. The terminal disclaimer submitted on 01-10-2017 disclaiming the terminal portion of any patent granted on this application has been reviewed and is accepted.
3. A timely filed terminal disclaimer on 01-11-2017, is in compliance with 37 CFR 1.321(c) has overcome an actual rejection based on a nonstatutory double patenting ground and signed by the agent to fully comply with 37 CFR 3.73(b). Terminal disclaimer was approved and accepted by USPTO on 01-10-2017.

Response to Amendment

4. The amendment filed 11-01-2016 does not introduce any new matter into the disclosure. The added material does have support in the original disclosure. Applicant has amended Claims 1 and added new claims 11-14 to overcome prior art rejection. Further, applicant has E-mailed amendments to claims 1 and 14 per applicant's approval and applicant's representative has authorized Examiner to do Examiner Amendments during telephone interview on 01-10-2017 to amend claims 1 and 14 as well as cancelled dependent claims 11-13 to expedite allowability of the instant application. Applicant has timely filed on 01-10-2017 terminal disclaimer in compliance with 37 CFR 1.321(c) has overcome an actual rejection based on a nonstatutory double patenting ground and signed by the agent to fully comply with 37 CFR 3.73(b).

5. Applicant has amended Claims 1, and added new claims 11-14 to overcome prior art rejection. Further, applicant's representative has E-mailed amendments to claims 1 and 14 as well as applicant's representative has authorized Examiner to do Examiner Amendments during telephone interview on 01-10-2017 as well as on 01-11-2017 to amend claims 1 and 14 adding allowable limitations of dependent claims 11-13 as well as cancelling dependent claims 11-13 to expedite allowability of the instant application. The allowable limitations "the lines include metal lines which overlap the predetermined layer, the predetermined layer is softer than the circular polarizing plate, wherein a width of the metal lines is less than 50% of a wiring pitch of the metal lines, wherein the lines include ITO lines, the ITO lines overlap a region where the metal lines

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overlap the predetermined layer and the circular polarizing plate; wherein the lines include outside lines arranged outside the detection area and a wiring pitch of the outside lines is narrower than a wiring pitch of the lines in the detection area” as after further extensive search and consideration, amended independent claims 1-10 and 14 do overcome all the prior art cited on 892’s 1449’s, searched in NPL and searched in PGPub,; which puts application number 14982947 in condition for allowance.

Interview Summary

6. Examiner and applicant’s representative discussed claim 1, 14 limitation in the view of Shoji Hinata (US 20090096763 A1) in view of Nakanishi Akira et al. (US 20050046622 A1) and Noriharu Matsudate et al. (US 20080303798 A1) and newly searched prior arts cited on USPTO 892’s on 01-06-2017. Further Examiner proposed amendments to independent claims 1, 14, by adding newly added dependent claims 11-13. Examiner conducted preliminary search on possible amendments to overcome Shoji Hinata (US 20090096763 A1) in view of Nakanishi Akira et al. (US 20050046622 A1) and Noriharu Matsudate et al. (US 20080303798 A1) and newly searched prior arts. The preliminary search indicated, the newly proposed amendments does seem to overcome Shoji Hinata (US 20090096763 A1) in view of Nakanishi Akira et al. (US 20050046622 A1) and Noriharu Matsudate et al. (US 20080303798 A1) as well as all the cited prior arts on USPTO 892’s. Applicant’s representative agreed to amend the claims accordingly per applicant’s approval. Applicant’s representative E-mailed amendments to independent claims 1 and 14 per Applicant’s approval. Examiner thanks

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applicant and applicant's representative to authorize Examiner to do Examiner Amendments not only to amend independent claims 1 and 14 but also to cancel dependent claims 11-13; during a telephone interview with applicant's representative on 01-10-2017, 01-11-2017, to move instant application forward and achieve compact prosecution. Further, to avoid another office action Examiner requested applicant's representative to file e-Terminal Disclaimer to overcome an actual rejection based on a nonstatutory double patenting ground. Applicant has filed e-Terminal Disclaimer on 01-10-2017 and e-Terminal Disclaimer was approved and accepted by USPTO on 01-10-2017.

EXAMINER'S AMENDMENT

7. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a personal telephone interview with applicant's representative Arimi Yamada on 01-10-2017 and 01-11-2017.

The application has been amended as follows:

In The Claims

Claims 1 and 11-14 are amended as following:

1. (Currently Amended) A display device comprising:

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an organic emitting display panel:

a predetermined layer arranged above the organic emitting display panel:

a touch panel, arranged above the predetermined layer:

first lines to detect a coordinate in a detection area; and

a circular polarizing plate, arranged above the touch panel, adhering to the touch panel,

wherein

the lines include metal lines which overlap the predetermined layer, **[[and]]**

the predetermined layer is softer than the circular polarizing **[[plate.]]** plate,

a width of the metal lines is less than 50% of a wiring pitch of the metal

lines,

the lines include ITO lines

the ITO lines overlap a region where the metal lines overlap the predetermined layer

and

the circular polarizing plate;

the lines include outside lines[[lies]] arranged outside the detection area and

a wiring pitch of the outside lines is narrower than a wiring pitch of the lines in the

detection

area.

Claims 11-13 are cancelled.

14. (Currently Amended) A display device comprising:

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an organic emitting display panel:

a predetermined layer arranged above the organic emitting display panel:

a touch panel, arranged above the predetermined layer:

lines to detect a coordinate in a detection area; and

a circular polarizing plate, arranged above the touch panel, adhering to the touch panel,

wherein the lines overlap the predetermined layer, **[[and]]**

the predetermined layer is softer than the circular polarizing **[[plate.]]** plate,

the lines include metal lines,

a width of the metal lines is less than 50% of a wiring pitch of the metal

lines,

the lines include ITO lines

the ITO lines overlap a region where the metal lines overlap the predetermined layer

and

the circular polarizing plate;

the lines include outside lines[[lies]] arranged outside the detection area and

a wiring pitch of the outside lines is narrower than a wiring pitch of the lines in the

detection

area.

Allowable Subject Matter

8. Claims 1-10 and 14 are allowed.

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9. The following is an examiner's statement of reasons for allowance:

10. Applicant has amended Claims 1, and added new claims 11-14 to overcome prior art rejection. Further, applicant's representative has E-mailed amendments to claims 1 and 14 as well as applicant's representative has authorized Examiner to do Examiner Amendments during telephone interview on 01-10-2017 as well as on 01-11-2017 to amend claims 1 and 14 adding allowable limitations of dependent claims 11-13 as well as cancelling dependent claims 11-13 to expedite allowability of the instant application. Applicant has timely filed on 01-10-2017 terminal disclaimer in compliance with 37 CFR 1.321(c) has overcome an actual rejection based on a nonstatutory double patenting ground and signed by the agent to fully comply with 37 CFR 3.73(b). All the prior art cited on 892's; 1449's; searched in NPL and searched in PG PUB, fails to recite or disclose all the other limitations of independent claims in combination with uniquely distinct features represented by underlined bold claim limitations recited below;

the lines include metal lines which overlap the predetermined layer, the predetermined layer is softer than the circular polarizing plate, wherein a width of the metal lines is less than 50% of a wiring pitch of the metal lines, wherein the lines include ITO lines, the ITO lines overlap a region where the metal lines overlap the predetermined layer and the circular polarizing plate; wherein the lines include outside lines arranged outside the detection area and a wiring pitch of the outside lines is narrower than a wiring pitch of the lines in the detection area.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to PRABODH M. DHARIA whose telephone number is (571)272-7668. The examiner can normally be reached on 8:00AM-5:00PM.

12. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Benjamin C. Lee can be reached on 571-272-2693. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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13. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

P.O. Box 1450

Alexandria VA 22313-1450

/Prabodh M Dharia/

Primary Examiner

Art Unit 2693

01-11-2017