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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/498,843	03/28/2012	Yasunari Nagata	SIP5KYO-PT001	6698
3624	7590	01/31/2014	EXAMINER	
VOLPE AND KOENIG, P.C. UNITED PLAZA 30 SOUTH 17TH STREET PHILADELPHIA, PA 19103			SADIO, INSA	
			ART UNIT	PAPER NUMBER
			2627	
			NOTIFICATION DATE	DELIVERY MODE
			01/31/2014	ELECTRONIC

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.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

eoffice@volpe-koenig.com

Office Action Summary	Application No. 13/498,843	Applicant(s) NAGATA ET AL.	
	Examiner INSA SADIO	Art Unit 2627	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 10/31/2013.
 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) 2 and 5-8 is/are withdrawn from consideration.
- 6) Claim(s) _____ is/are allowed.
- 7) Claim(s) 1,3,4,9 and 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 03/28/2012 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 03/28/2012, 10/22/2013
- 3) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 4) Other: _____

DETAILED ACTION

The present application is being examined under the pre-AIA first to invent provisions.

Election/Restrictions

1. Claims 2, 5-8 withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected species II-IV, there being no allowable generic or linking claims. Election was made **without** traverse in the reply filed on 10/31/2013.

Applicant's election without traverse of claim 1, 3, 4, 9 and 10 directed to Species I (Fig.1) in the reply filed on 10/31/2013 is acknowledged.

Claim Rejections - 35 USC § 103

The following is a quotation of pre-AIA 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.

2. **Claims 1, 3, 4, 9, and 10** are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Wright (2008/0074398) in view of Binstead (5,844,506).

As of claim 1, Wright discloses a Single-layer capacitive sensing device.

Further, Wright teaches An input device comprising: a substrate having a main surface (fig.4 [400]); a first detection electrode pattern provided on or above the main surface of

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the substrate (fig.4 [420]); and a second detection electrode pattern provided on or above the main surface of the substrate (fig.4 [430]), a portion of the second detection electrode pattern intersecting the first detection electrode pattern via an insulator ([0041], fig.7 [710]),

Wright does not teach wherein the insulator has a convex curved surface on a cross section along the second detection electrode pattern and in a region from an end portion to an apex of the insulator.

However, Binstead teaches wherein the insulator has a convex curved surface on a cross section (fig.2b [13], convex curved surface across 12) along the second detection electrode pattern (fig.2b [12]) and in a region from an end portion to an apex of the insulator (fig.2b).

Therefore it would be obvious to an ordinary skill in the art at the time the invention have been made to combine Wright sensing device with the teaching of Binstead's insulator to insulate between electrodes, so to help prevent short circuits.

As of claim 3, Wright as modified by Binstead teaches the limitations of claim 1 above. Further, Wright teaches wherein an upper surface of the insulator on a cross section perpendicular to the cross section along the second detection electrode pattern is more flat than the upper surface of the insulator on the cross section along the second detection electrode pattern ([0041], claim 3, fig.7 [710]).

As of claim 4, Wright as modified by Binstead teaches the limitations of claim 1 above. Further, Wright teaches wherein the insulator is formed in a rectangular shape

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elongated in a direction along the second detection electrode pattern as viewed from above (claim 4, please see rectangular shape from top view of fig.7 [710]).

As of claim 9, Wright as modified by Binstead teaches the limitations of claim 1 above. Further, Binstead teaches wherein a display device comprising: a display panel arranged to face the input device (col2 L30-34).

As of claim 10, Wright as modified by Binstead teaches the limitations of claim 9 above. Further, Binstead teaches wherein the display panel is a liquid crystal display panel (col2 L30-34).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to INSA SADIO whose telephone number is (571)270-5580. The examiner can normally be reached on MONDAY through FRIDAY 8am to 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Srilakshmi Kumar can be reached on 571-272-7769. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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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.

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