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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/980,701	10/31/2007	Timothy R. Pryor	135873.136839-001	6653
24335	7590	03/03/2011	EXAMINER	
WARNER NORCROSS & JUDD LLP INTELLECTUAL PROPERTY GROUP 900 FIFTH THIRD CENTER 111 LYON STREET, N.W. GRAND RAPIDS, MI 49503-2487			ABDULSELAM, ABBAS I	
			ART UNIT	PAPER NUMBER
			2629	
			NOTIFICATION DATE	DELIVERY MODE
			03/03/2011	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):

patents@wnj.com

Office Action Summary

Application No.

11/980,701

Applicant(s)

PRYOR, TIMOTHY R.

Examiner

ABBAS ABDULSELAM

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-- 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 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, 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 24 November 2010.
- 2a) This action is **FINAL**. 2b) This action is non-final.
- 3) 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

- 4) Claim(s) 4-61 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) 4-14 and 37-61 is/are allowed.
- 6) Claim(s) 15-24 and 34-36 is/are rejected.
- 7) Claim(s) 25-33 is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ 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).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

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).
a) All b) Some * c) None of:
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) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date: 11/24/10
- 4) Interview Summary (PTO-413)
Paper No(s)/Mail Date: _____
- 5) Notice of Informal Patent Application
- 6) Other:

DETAILED ACTION

Response to Arguments

1. Applicant's arguments with respect to claims 15-24 and 34-36 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 15-24 and 34-36 are rejected under 35 U.S.C. 102(b) as being anticipated by Knowles (USPN 5162618).

Regarding claim 15, Knowles (USPN 5162618) teaches a computer implemented method for providing tactile feedback in response to input received from a user (**Fig. 2B, a touch position sensor system**)), the method comprising: providing a touch screen (**40, 10**) including a front surface, the touch screen adapted to display visually observable data (**see a touch position sensor system in Fig. 2 with a top surface 40 of the substrate 10, also see touch panel 70 in Fig. 6.**); providing a force element (**31**) to actuate the touch screen (**FIG. 2B (31), a compressional piezoelectric transducer 31 is bonded on to a side of the substrate 10**) detecting a first touch input on the touch screen front surface (**see a touch position sensor system in Fig. 2**); and actuating the touch screen perpendicular to the touch screen front surface with

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a first force element to provide a first force feedback signal in response to said detecting step (**FIG. 2B, col. 6, lines 1-10, a compressional piezoelectric transducer 31 is bonded on to a side of the substrate 10 such that the transducer 31 is responsive to a drive signal to vibrate in the direction of the arrows 33 so as to impart a symmetric Lamb wave into the substrate 10 for propagating along an X axis, note that as shown in Fig. 2B, the transducer 31 is at right angle with the X axis on the surface 40, and it is clear that the drive signal is to occur after touching takes place**).

Regarding claims 16 and 22, Knowles teaches including determining a characteristic of the first touch input (**Fig. 3 (16), a touch position sensor 16**).

Regarding claims 17-18, Knowles teaches the characteristic of the first touch input includes the location of the first touch input on the touch screen front surface (**Fig. 3 (16), a touch position sensor 16**).

Regarding claims 19-20, Knowles teaches the force feedback signal indicates a function selected by the user (**col. 6, lines 20-24, determination of coordinates**).

Regarding claim 21, Knowles teaches the detecting step includes the first touch input generating a local surface distortion; and the characteristic of the first touch input is based on the local surface distortion (**a substrate 10 that is capable of propagating a Lamb waves 13 and 14 as shown in FIG. 1D**).

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Regarding claim 23-24 and 34, Knowles teaches said actuating step includes vibrating the touch screen front surface (**FIG. 2B, col. 6, lines 1-10, a compressional piezoelectric transducer 31 is bonded on to a side of the substrate 10 such that the transducer 31 is responsive to a drive signal to vibrate**).

Regarding claims 35-36, Knowles teaches the first force feedback signal is generated by an air blast generator (**an acoustic touch position sensor as shown in Fig. 3**).

Allowable Subject Matter

4. Claims 25-33 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
5. Claims 4-14 and 37-61 are allowed.

Conclusion

6. 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 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

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