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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/891,443	09/27/2010	Michael Tasler	0757-113189	1408
24628	7590	07/22/2011	EXAMINER	
Husch Blackwell LLP Husch Blackwell Sanders LLP Welsh & Katz 120 S RIVERSIDE PLAZA 22ND FLOOR CHICAGO, IL 60606			LEE, CHUN KUAN	
			ART UNIT	PAPER NUMBER
			2181	
			MAIL DATE	DELIVERY MODE
			07/22/2011	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. 12/891,443	Applicant(s) TASLER, MICHAEL
	Examiner Chun-Kuan Lee	Art Unit 2181

-- 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 07 June 2011.
- 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) 2-36 is/are pending in the application.
 - 4a) Of the above claim(s) 14, 17, 23, 25, 26, 28, 29, 33 and 34 is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 2-13, 15, 16, 18-22, 24, 27, 30-32, 35 and 36 is/are rejected.
- 7) Claim(s) 2, 7, 14, 17, 18, 20, 22, 23, 25, 26, 28, 29, 33 and 34 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 27 September 2010 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)

- | | |
|--|---|
| <ul style="list-style-type: none"> 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>03/17/2011 & 04/12/2011</u> | <ul style="list-style-type: none"> 4) <input checked="" type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date <u>20110718</u> 5) <input type="checkbox"/> Notice of Informal Patent Application 6) <input type="checkbox"/> Other: |
|--|---|

Examiner-Initiated Interview Summary	Application No. 12/891,443	Applicant(s) TASLER, MICHAEL
	Examiner Chun-Kuan Lee	Art Unit 2181
All Participants:	Status of Application: _____	
(1) <u>Alford Kindred (SPE)</u> . (2) <u>Chun-Kuan Lee (Examiner)</u> .	(3) <u>James Sheer (Reg. # 29,434)</u> . (4) <u>Sidney Katz</u> .	
Date of Interview: <u>12 July 2011</u>	Time: _____	
<p>Type of Interview: <input checked="" type="checkbox"/> Telephonic <input type="checkbox"/> Video Conference <input type="checkbox"/> Personal (Copy given to: <input type="checkbox"/> Applicant <input type="checkbox"/> Applicant's representative)</p> <p>Exhibit Shown or Demonstrated: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, provide a brief description: .</p> <p>Part I. Rejection(s) discussed: N/A</p> <p>Claims discussed: N/A</p> <p>Prior art documents discussed: N/A</p> <p>Part II. SUBSTANCE OF INTERVIEW DESCRIBING THE GENERAL NATURE OF WHAT WAS DISCUSSED: <i>Please see Continuation Sheet below.</i></p> <p>Part III. <input type="checkbox"/> It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview directly resulted in the allowance of the application. The examiner will provide a written summary of the substance of the interview in the Notice of Allowability. <input type="checkbox"/> It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview did not result in resolution of all issues. A brief summary by the examiner appears in Part II above.</p>		
(Applicant/Applicant's Representative Signature – if appropriate)		

The interview mainly focused on getting a clear understand of applicant's claimed invention, wherein the examiner requested the applicant to clarify how applicant's inventive concept should be characterized, as applicant's indicated in applicant's response, dated 06/07/2011, that the applicant's disagree with the examiner's re-characterization of applicant's claimed invention, and this interview was conducted at the same time as application 11/467,092, wherein during the interview for application 11/467,092, applicant indicated the following:

Applicant indicated that the inventive concept for the instant application is the claims, and concede that the following is how the invention concept is functioning:

Single analog sensing device with multiple parallel channels for acquiring analog data through the multiple parallel channels, wherein the single analog sensing device is connected to a digital device, such as a host, and the digital device (host) recognizing the connected single analog sensing device as a digital device, such as a hard drive (e.g. digital storage device) or printer; and when the single analog sensing device is connected to the digital device (host) for transferring the acquired analog data to the digital device (host), the digital device (host) use a corresponding digital device driver, such as hard drive driver, for communicating with the single analog sensing device, as the digital device (host) thinks that the connected single analog sensing device is the hard drive (digital device).

Additionally, because the utilization of digital device driver (hard drive driver) by the host (digital device), end user loading of any software onto the computer at any time and end user interaction with the computer to set up a file system is not required, as the host (digital device) thinks that the connected single analog sensing device is the hard drive (digital device), and the hard drive driver (digital device driver) is part of the host, that is the host already have the needed digital device driver (hard disk driver).

The examiner then inquired the applicant, base on the applicant's best knowledge, if there is anything out there that has an analog device with multiple parallel channels conventionally? And applicant responded that, at the time when this application was filed, applicant thinks multi-channel analog device exists.

The examiner then inquired how is the instant application differ from application 11/467,092; and applicant indicated that the claims for the instant application are broader as the independent claims for the instant application do not require the multiple parallel channels.

The examiner then inquired how is the functionality for the instant application differs from the application 11/467,092; and applicant indicated that the instant application is basically the same concept as the application 11/467,092.

The examiner then inquired whether the claimed feature regarding one parameter indicative of the class of devices of the analog data acquisition device to be send to the computer corresponds to the functionality for the host to recognize the connected analog device as a hard drive; and applicant responded that the claimed feature is part of the recognition process of the analog device as the hard drive.

The informing of such file transfer characteristics would not necessarily be required for the analog sensing device to do the functioning of what the applicant has been describing. Applicant also indicated that the analog sensing device would not require to do that and that this is an extra limitation that is not necessarily needed; and if the applicant took this claimed limitation out of the independent claim, the applicant would still have a perfectly good independent claim.

Applicant also indicated that the analog data acquisition device communicates with the host in "real time" and provided the following citations in applicant's Specification for support:

Paragraph [0025] on page 10;

Paragraph [0027] on page 11; and

Paragraph [0038] on page 15 (e.g. real time FFT),

wherein applicant indicated that the real time application is optional and not a requirement for implementing the inventive concept for the instant application

Agreement was reached with regard to the inventive concept for the instant application, and no agreement was reached with regard to the allowability of the claims.

DETAILED ACTION

CONTINUED EXAMINATION UNDER 37 CFR 1.114

I. INTERVIEW SUMMARY

1. The interview mainly focused on getting a clear understand of applicant's claimed invention, wherein the examiner requested the applicant to clarify how applicant's inventive concept should be characterized, as applicant's indicated in applicant's response, dated 06/07/2011, that the applicant's disagree with the examiner's re-characterization of applicant's claimed invention, and this interview was conducted at the same time as application 11/467,092, wherein during the interview for application 11/467,092, applicant indicated the following:

Applicant indicated that the inventive concept for the instant application is the claims, and concede that the following is how the invention concept is functioning:

Single analog sensing device with multiple parallel channels for acquiring analog data through the multiple parallel channels, wherein the single analog sensing device is connected to a digital device, such as a host, and the digital device (host) recognizing the connected single analog sensing device as a digital device, such as a hard drive (e.g. digital storage device) or printer; and when the single analog sensing device is connected to the digital device (host) for transferring the acquired analog data to the digital device (host), the digital device (host) use a corresponding digital device driver, such as hard drive driver,

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