

EXHIBIT 1013

Customer No. 035884

Attorney Docket No. 2080-3507

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Jong Wook Lee

Serial No: 11/401,798

Filed: April 10, 2006

FOR: AUDIO AND VIDEO SYNCHRONIZING
APPARATUS AND METHOD

Art Unit: 2622

Examiner: DESIR, Jean Wicel

Conf. No.: 6246

RESPONSE TO OFFICE ACTION

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

This paper is in response to the Office Action dated September 3, 2009, in connection with the above-identified application, the response to which is due December 3, 2009. It is believed that no fee is due in connection with this paper. Please charge any fees and credit any overpayment to our deposit account No. 502290. Please enter and consider the following amendments and remarks:

IN THE DRAWINGS:

Substitute drawing sheets are enclosed for FIGS. 1-3 to replace the original drawing sheets filed with the application. No new matter has been added. Specifically, the following amendments have been made:

“Related Art” has been added to FIGS. 1-3.

IN THE CLAIMS:

Please amend claims 3 and 5 as follows:

1. (Original) An audio and video synchronizing apparatus comprising:
a video signal processing unit processing a video signal outputted to a display device of a video processing equipment;
an audio signal processing unit outputting an audio signal, the audio signal outputted to an audio device of the video processing equipment and synchronized with the video signal;
a switching unit selecting paths for video signal and audio signal respectively inputted to the video signal processor and the audio signal processor, and paths for video and/or audio signals outputted to an external device;
an outputting unit outputting the audio and/or video signal selected by the switch;
and
an output selecting unit controlling the switching unit according to a kind of the external device connected to the outputting unit, and thus selectively outputting the audio and/or video signal to the external device.
2. (Original) The apparatus according to claim 1, further comprising a detector detecting a kind of the external device connected to the outputting unit.
3. (Currently amended) The apparatus according to claim 1, wherein the kind of the external device connected to the outputting unit is detected to determine whether the external device is an ~~audio/video~~ audio/video device or an audio device.
4. (Original) The apparatus according to claim 1, wherein when it is determined that the external device connected to the outputting unit is an audio device, the switching unit selects an audio signal synchronized with a video signal outputted to the display device of the video processing equipment.

5. (Currently amended) The apparatus according to claim 1, wherein the kind of the external device connected to the ~~outputting~~outputting unit is determined according to whether or not the external device is connected to a video output port and/or an audio output port.

6. (Original) An audio and video synchronizing apparatus comprising:
a video signal processing unit processing a video signal outputted to a display device of a video processing equipment;
an audio signal processing unit outputting an audio signal, the audio signal outputted to an audio device of the video processing equipment and synchronized with the video signal; and
an output selecting unit selecting an audio signal synchronized with the video signal and outputting the audio signal to an external device.

7. (Original) An audio and video synchronizing apparatus comprising:
a video signal processing unit processing a video signal outputted to a display device of a video processing equipment;
an audio signal processing unit outputting an audio signal synchronized with the video signal; and
an audio output selecting unit selecting an audio signal synchronized with the video signal, and outputting the audio signal to an external device.

8. (Original) An audio and video synchronizing apparatus comprising:
a video signal processing unit processing a video signal outputted to a display device of a video processing equipment;
an audio signal processor outputting an audio signal, the audio signal outputted to an audio device of the video processing equipment and synchronized with the video signal;
an outputting unit outputting the audio and/or video signal to an external device;
and
an output selecting unit selectively outputting the audio and/or video signal to the

external device according to a kind of the external device connected to the outputting unit.

9. (Original) An audio and video synchronizing apparatus comprising:
a video signal processing unit processing a video signal outputted to a display device of a video processing equipment;
an audio signal processing unit outputting an audio signal, the audio signal outputted to an audio device of the video processing equipment and synchronized with the video signal;
an outputting unit outputting the audio and/or video signal to an external device;
a detecting unit detecting a kind of the external device connected to the outputting unit; and
an output selecting unit selecting an audio signal synchronized with the video signal when it is detected that the external device is an audio device, and transmitting the audio signal to the external audio device through the outputting unit.

10. (Original) A method of controlling audio and video output comprising:
determining a kind of an external device connected to an output port of a video processing equipment; and
selecting an audio signal synchronized with a video signal outputted to a display device of the video processing equipment according to a result of the determination, and outputting the audio signal to the external device.

11. (Original) The method according to claim 10, wherein the operation of determining the kind of the external device determined whether or not the external device connected to the output port is an audio device.

12. (Original) The method according to claim 10, further comprising selecting an audio signal outputted to a speaker of the video processing equipment and synchronized with the video signal, and outputting the audio signal to the external device.

13. (Original) The method according to claim 10, wherein the operation of selecting the audio signal synchronized with the video signal and outputting the audio signal to the external device is performed automatically according to a result of the determination of the kind of the external device.

14. (Original) The method according to claim 10, wherein the operation of selecting the audio signal synchronized with the video signal and outputting the audio signal to the external device is performed by user's output mode setting.

15. (Original) The method according to claim 10, wherein the audio signal synchronized with the video signal is an audio signal delayed corresponding to a video signal processing path.

16. (Original) A method of controlling audio and video output comprising:
selecting an external device output mode of a video processing equipment; and
selecting an audio signal synchronized with a video signal outputted to a display device of the video processing equipment when the selected output mode is for an external audio device, and outputting the audio signal to the external audio device.

17. (Original) The method according to claim 16, further comprising selecting an audio signal outputted to a speaker of the video processing equipment and synchronized with the video signal, and outputting the audio signal to the external device.

18. (Original) The method according to claim 16, wherein the audio signal synchronized with the video signal is an audio signal delayed corresponding to a video signal processing path.

REMARKS

Applicant has studied the Office Action dated September 3, 2009. Claims 1-18 are pending. Claims 3 and 5 have been amended. Claims 1, 6-10 and 16 are independent claims. No new matter has been added as the amendments have support in the specification as originally filed.

It is submitted that the application, as amended, is in condition for allowance. Reconsideration and reexamination are respectfully requested.

Claim for Foreign Priority under 35 U.S.C. § 119

The Examiner acknowledged the Applicant's claim for foreign priority under 35 U.S.C. § 119 and indicated that a certified copy of the priority document had been received.

Amendments to the Claims

Claims 3 and 5 have been amended to correct typographical errors. It is respectfully submitted that the amendments have support in the application as originally filed and are not related to patentability.

Objection to Drawings

The Examiner objected to the drawings. Specifically, the Examiner asserted that Figures 1-3 should be designated with a legend such as "Prior Art."

With this paper, amended Figures 1-3 have been submitted that are labeled as "Related Art." It is respectfully submitted that the grounds for objection have been overcome and it is respectfully requested that the Examiner withdraw the objection.

§ 102 Rejections

Claims 1-18 were rejected under 35 U.S.C. § 102(a) as being anticipated by Lee (KR Pub. No. 10-2006-0090099). Applicant respectfully disagrees with the Examiner's interpretation of Lee and respectfully traverses the rejection.

It is noted the present application was filed on April 10, 2006. It is further noted that the present application claims the benefit of earlier filing date and right of priority to Korean Application No. 10-2005-0031350, filed on April 15, 2005. Therefore, it is respectfully submitted that the priority of the present claims is at least April 10, 2006 based on the U.S. filing date of the present application.

On the other hand, it is noted that Lee was published on August 10, 2006. Therefore, it is respectfully submitted that the effective date of the Lee reference under 35 U.S.C. § 102(a) is the U.S. August 10, 2006 publication date.

It is respectfully asserted that Lee is not a proper reference against the present claims since the April 10, 2006 U.S. filing date of the present application is before the August 10, 2006 effective date of Lee. Applicant respectfully requests that the Examiner withdraw the rejection.

CONCLUSION

In view of the above remarks, Applicant submits that claims 1-18 of the present application are in condition for allowance. Reexamination and reconsideration of the application, as originally filed, are requested.

No amendment made was related to the statutory requirements of patentability unless expressly stated herein; and no amendment made was for the purpose of narrowing the scope of any claim, unless Applicant has argued herein that such amendment was made to distinguish over a particular reference or combination of references.

If for any reason the Examiner finds the application other than in condition for allowance, the Examiner is requested to call the undersigned attorney at the Los Angeles, California telephone number (213) 623-2221 to discuss the steps necessary for placing the application in condition for allowance.

LEE, HONG, DEGERMAN, KANG & WAIMEY

Date: October 13, 2009

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Enclosure: Substitute FIGS. 1-3