

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

A

In the Application of:

Ronin Tate

Application No.: 17/000,000

Filed: March 30, 2018

For: SYSTEM AND METHOD FOR
REMOTE AUTOMATED
DETERMINATION OF
DISPLAY

Examiner: Daniel Nile

Group Art Unit: 3683

Attorney Docket No.: 92606

Confirmation No.: 1234

complaint

AMENDMENT

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

Dear Examiner Nile:

This Amendment is in response to the Office Action mailed April 6, 2018. This Amendment is timely because it is being submitted within the period for reply which expires July 6, 2018. Please enter and consider the following:

✓

- Format is good
- fr 112
- be more specific wrt claim limitations
- Block Quotes do not work

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS

1. (Currently Amended) A remote, automated determination of display system, said system comprising:

a central server including a data storage unit storing a display image data, a location center point data, and a location radius data;

a smartphone including a GPS, wherein said smartphone is in a wireless connection with said central server, wherein a current GPS location data representing GPS coordinates of said smartphone is transmitted to said central server.

a LED display system including a light display, wherein said LED display system is in a wireless communication with said smartphone;

wherein said server transmits said display image data to said smartphone to be displayed on said LED display system ~~when a calculated measure of distance between said current GPS location data to said location center point data is less than said location radius data~~ said smartphone is located within a geographic area, wherein said geographic area is a circular geographic area with a radius represented by said location radius data, surrounding a center point represented by said location center point data.

2. (Original) The system of claim 1, wherein said LED display system is bicycle spokes LED lights.
3. (Original) The system of claim 1, wherein said display image data communicated between said smartphone and said LED display system includes a Bluetooth signal.
4. (Original) The system of claim 1, wherein said display image data is in JPEG format, PNG format, AVI format, or MOV format.
5. (Original) The system of claim 1, wherein said data storage unit includes a plurality of stored display image data.
6. (Original) The system of claim 1, wherein said system includes a plurality of smartphones.
7. (Currently Amended) A remote, automated determination of display system for transmitting display image data based on time and location, said system comprising:

a central server including a data storage unit storing a display image data, a location center point data, a location radius data, ~~and a time interval data with a start time data, and an end time data;~~

a smartphone including a GPS, wherein said smartphone is in a wireless connection with said central server, wherein ~~a current GPS location data representing GPS coordinates of~~ GPS coordinates of said smartphone is transmitted to said central server, wherein said central server records data representing time said current GPS location data was GPS coordinates were received as a current time data, wherein data representing time is determined by an internal clock in said central server;

a LED display system including a light display, wherein said LED display system is in a wireless communication with said smartphone;

wherein said server transmits said display image data to said smartphone to be displayed on said LED display system when said current time data ~~transmitted from said smartphone~~ is ~~within~~ between said start time data and said end time data ~~of said time interval data~~ in value, and ~~a calculated measure of distance between said current GPS location data to said location center point data is less than said location radius data~~ said smartphone is located within a geographic area, wherein said geographic area is a circular geographic area with a radius represented by said location radius data, surrounding a center point represented by said location center point data.

*again, just
happens:
not connects
functionally*

8. (Original) The system of claim 1, wherein said LED display system is bicycle spokes LED lights.
9. (Original) The system of claim 1, wherein said display image data communicated between said smartphone and said LED display system includes a Bluetooth signal.
10. (Original) The system of claim 1, wherein said display image data is in JPEG format, PNG format, AVI format, or MOV format.
11. (Original) The system of claim 1, wherein said data storage unit includes a plurality of stored display image data.
12. (Original) The system of claim 1, wherein said system includes a plurality of smartphones.
13. (Currently Amended) A method of remote, automated determination of display, said method comprising:
receiving ~~an input data indicative of a current GPS location data representing GPS~~
~~coordinates~~ GPS coordinates of a smartphone from said smartphone;

recording data representing time at which said ~~current GPS location data~~ was GPS coordinates of said smartphone were received as a current time data as indicated, wherein data representing time is determined by an internal clock in said central server;

querying a data storage unit in said central server for an advertiser display group file, wherein said advertiser display group file includes a display image data, ~~a time interval data with~~ a start time data, ~~and an end time data~~, a location center point data, and a location radius data;

transmitting said display image data from said advertiser display group file to said smartphone when said current time data ~~transmitted from said smartphone~~ is within between said start time data and said end time data of said time interval data in value, and a calculated measure of distance between said current GPS location data to said location center point data is less than said location radius data said smartphone is located within a geographic area, wherein said geographic area is a circular geographic area with a radius represented by said location radius data, surrounding a center point represented by said location center point data. *do above*

14. (Original) The method of claim 13, further comprising transmitting said display image data from said smartphone to a LED display system, wherein said LED display system is in a wireless connection with said smartphone.

15. (Original) The method of claim 13, wherein said LED display system is bicycle spokes LED lights.

16. (Original) The method of claim 13, wherein said display image data communicated between said smartphone and said LED display system includes a Bluetooth signal.

17. (Original) The method of claim 13, wherein said display image data is in JPEG format, PNG format, AVI format, or MOV format.

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REMARKS

The present application includes claims 1-17. Claims 1-17 were rejected. By this Amendment, claims 1, 7, and 13 have been amended. ✓

Claims 1-17 were rejected under 35 U.S.C. §112, second paragraph, as being indefinite. *technical 112(b) OK post AIA*

Claims 1-17 were rejected under 35 U.S.C. §102(a)(1) as being anticipated by Frier, U.S. Pat. App. No. 2014/0354419. ✓


Claims 1-17 were rejected under 35 U.S.C. §102(a)(1) as being anticipated by London, U.S. Pat. App. No. 2018/0096585.

Claims 1-17 were rejected under 35 U.S.C. §103(a) as being unpatentable over Lai, U.S. Pat. App. No. 2014/0203923, in view of Goldwater, U.S. Pat. App. No. 2012/0200301.


The Applicant now turns to the rejection of claims 1-17 under 35 U.S.C. §112, second paragraph. Claim 1 has been amended. An appropriate correction has been made to claim 1 in order to clarify the meaning of the limitation “when a calculated measure of distance between said current GPS location data to said location center point data.” As amended, claim 1 recites “when said smartphone is located within a geographic area, wherein said geographic area is a circular geographic area with a radius represented by said location radius data, surrounding a center point represented by said location center

point data.” Claims 2-6 depend from claim 1, which is respectfully submitted to be allowable. Likewise, claim 7 and 13 have been amended in a parallel manner with the same language.

Claim 7 has been further amended. An appropriate correction has been made to claim 7 in order to clarify the meaning of the claim languages “current GPS location data” and “current time data.” As amended, claim 7 recites “GPS coordinates of said smartphone is transmitted to said central server, wherein said central server records data representing time said GPS coordinates were received as a current time data, wherein data representing time is determined by an internal clock in said central server.” An appropriate correction has been made in order to clarify further the meaning of the claim languages “current time data.” As amended, claim 7 recites “when said current time data is between said start time data and said end time data in value.” Likewise, claim 13 has been amended in a parallel manner with the same language.



Claim 13 has been further amended. An appropriate correction has been made to claim 13 in order to clarify the meaning of the claim languages “an input data indicative of a current GPS location data representing GPS coordinates,” “current GPS location data,” and “a current time data,” as stated above. In addition, an appropriate correction has been made to clarify the meaning of “advertiser group file.” As amended, claim 13 recites “wherein said advertiser display group file includes a display image data, a start time data, an end time data, a location center point data, and a location radius data.” Claims 14-17 depend from claim 13, which is respectfully submitted to be allowable.



The Applicant now turns to the rejection of claims 1-17 under 35 U.S.C.

§102(a)(1) as being anticipated by Frier, U.S. Pat. App. No. 2014/0354419. Frier teaches a system where sensors 212 may be programmed or configured to interact with a bicycle 216A, or one or more access devices 216B (e.g., mobile phone, smart phone, electronic tablet, global positioning system (GPS), physiological monitoring devices, or many other types of electronic devices) (paragraph 46). Frier also teaches a “computer” or a “processor” that may be a “server” or a “mainframe,” or “any other programmable device configured to transmit and/or receive data over a network” (paragraph 83). Frier teaches “computer systems” that “may include memory for storing certain software applications used in obtaining, processing, and communicating information” (paragraph 83). ✓

Frier does not teach the server including a data storage unit storing data that is location and/or time specific, and more specifically, data that is compared to data indicative of location of a smartphone at a certain time. ✓

As amended, claim 1 recites “a central server including a data storage unit storing a display image data, a location center point data, and a location radius data . . . wherein said server transmits said display image data to said smartphone to be displayed on said LED display system when said smartphone is located within a geographic area, wherein said geographic area is a circular geographic area with a radius represented by said location radius data, surrounding a center point represented by said location center point data.” Consequently, claim 1 is respectfully submitted to be free of Frier and allowable. *Block grant is not proper*

Additionally, claims 2-6 depend from claim 1 and thus include all the limitations of claim

1. Consequently, claims 2-6 are also submitted to be allowable.

As amended, claim 7 recites “a central server including a data storage unit storing a display image data, a location center point data, a location radius data, a start time data, and an end time data . . . wherein said central server records data representing time said GPS coordinates were received as a current time data, wherein data representing time is determined by an internal clock in said central server . . . wherein said server transmits said display image data to said smartphone to be displayed on said LED display system when said current time data is between said start time data and said end time data in value.” Consequently, claim 7 is respectfully submitted to be free of Frier and allowable. Additionally, claims 8-12 depend from claim 1 and thus include all the limitations of claim 7. Consequently, claims 8-12 are also submitted to be allowable.

Similarly, as amended, claim 13 recites “recording data representing time at which GPS coordinates of said smartphone were received as a current time data, wherein data representing time is determined by an internal clock in said central server” and “transmitting said display image data from said advertiser display group file to said smartphone when said current time data is between said start time data and said end time data in value.” Consequently, claim 13 is respectfully submitted to be free of Frier and allowable. Additionally, claims 14-17 depend from claim 13 and thus include all the limitations of claim 13. Consequently, claims 14-17 are also submitted to be allowable.

The Applicant now turns to the rejection of claims 1-17 under 35 U.S.C. §102(a)(1) as being anticipated by London, U.S. Pat. App. No. 2018/0096585. London teaches an alarm system, where a control device communicates with a tag receiver 200 through GPS data transmission (paragraph 59). Furthermore, London teaches a camera 327 that automatically takes pictures or record video, which may then be uploaded, through the network interface hardware 318 to the network 222 and stored in memory modules 206 of control device 200 or the memory of servers (paragraph 100). London teaches pictures or video that may be viewed on display 224 of the control device 200 (paragraph 100). ✓

While London teaches storage of data received through GPS satellite in one of the one or more memory modules 206 of control device 200, the server memory or combination thereof, London does not teach the server including a data storage unit storing image display data that is location and/or time specific, and more specifically data that is compared to data indicative of location of a smartphone at a certain time. ✓

As amended, claim 7 recite "a central server including a data storage unit storing a display image data, a location center point data, a location radius data, a start time data, and an end time data . . . wherein said central server records data representing time said GPS coordinates were received as a current time data, wherein data representing time is determined by an internal clock in said central server . . . wherein said server transmits said display image data to said smartphone to be displayed on said LED display system when said current time data is between said start time data and said end time data in

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value, and said smartphone is located within a geographic area, wherein said geographic area is a circular geographic area with a radius represented by said location radius data, surrounding a center point represented by said location center point data." Claims 1 and 13 have similar language of display image data having location specific limitations. Consequently, claims 1, 7, and 13 are respectfully submitted to be free of London and allowable. Additionally, claims 2-6 depend from claim 1, claims 8-12 depend from claim 7, and claims 14-17 depend from claim 13. Consequently, claims 2-6, 8-12, and 14-17 are also submitted to be allowable.

The Applicant now turns to the rejection of claims 1-17 under 35 U.S.C. §103(a) as being unpatentable over Lai, U.S. Pat. App. No. 2014/0203923, in view of Goldwater, U.S. Pat. App. No. 2012/0200301. Lai teaches an illumination apparatus 20 capable of receiving an image signal from an image data source 456 (paragraph 20). Lai teaches an image data source 456 that can be a typical mobile communication device (paragraph 28).

Goldwater teaches an electronic light display apparatus 100 attached to a forward wheel 201 of a bicycle 200 that can be in the form of LEDs mounted on one side of the wheel 201 (paragraph 31 and 35). Goldwater teaches a data user input circuitry 171, which can include buttons, an infrared receiver, a radio receiver, a serial port, a USB port, a combination thereof (paragraph 53).

Consequently, neither Lai nor Goldwater teaches a system, in which there is a remote, central server storing a display image data that is location and/or time specific,

DA
OA

and more specifically data that is compared to data indicative of location of a smartphone at a certain time.

Again, as amended, claim 7 recite "a central server including a data storage unit storing a display image data, a location center point data, a location radius data, a start time data, and an end time data . . . wherein said central server records data representing time said GPS coordinates were received as a current time data, wherein data representing time is determined by an internal clock in said central server . . . wherein said server transmits said display image data to said smartphone to be displayed on said LED display system when said current time data is between said start time data and said end time data in value, and said smartphone is located within a geographic area, wherein said geographic area is a circular geographic area with a radius represented by said location radius data, surrounding a center point represented by said location center point data." Claims 1 and 13 have similar language of display image data having location specific limitations. Consequently, claims 1, 7, and 13 are respectfully submitted to be free of London and allowable. Additionally, claims 2-6 depend from claim 1, claims 8-12 depend from claim 7, and claims 14-17 depend from claim 13. Consequently, claims 2-6, 8-12, and 14-17 are also submitted to be allowable.

Further, although the PTO's published guidelines of October 10, 2007 outline other rationales that may support a conclusion of obviousness, all of them fail here.

Can ship. Examiner appears to be using TSM

*too long
- Examiner
get lost
- Break up
& point
out*

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CONCLUSION

If the Examiner has any questions or the Applicant can be of any assistance, the
Examiner is invited and encouraged to contact the Applicant at the number below. ✓

The Commissioner is authorized to charge any necessary fees or credit any
overpayment to the Deposit Account of Mister Bank, Account No. 12345678.

Respectfully submitted,

Date: April 13, 2018

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