

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 11,659,381 B2
APPLICATION NO. : 17/542373
DATED : May 23, 2023
INVENTOR(S) : Gurvinder Singh, Marcos Klein and Vince Laviano

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the Claims

Claim 1, Column 12, Lines 40-45, cancel the text: “wherein establishing the Bluetooth paired connection comprises the Bluetooth enabled data capture device cryptographically authenticating an identity of the Bluetooth enabled cellular phone, wherein detecting and receiving new-data acquired in the Bluetooth enabled data capture device comprises:”, and insert the following text: --wherein establishing the paired Bluetooth connection comprises the Bluetooth enabled data capture device cryptographically authenticating an identity of the Bluetooth enabled cellular phone, wherein detecting and receiving the new-data acquired in the Bluetooth enabled data capture device comprises:--.

Claim 7, Column 13, Lines 55-61, cancel the text: “wherein establishing the Bluetooth paired connection comprises the Bluetooth enabled data capture device cryptographically authenticating an identity of the Bluetooth enabled cellular phone, wherein detecting and receiving new-data acquired in the Bluetooth enabled data capture device comprises:”, and insert the following text: --wherein establishing the paired Bluetooth connection comprises the Bluetooth enabled data capture device cryptographically authenticating an identity of the Bluetooth enabled cellular phone, wherein detecting and receiving the new-data acquired in the Bluetooth enabled data capture device comprises:--.

Claim 12, Column 14, Line 34-37, cancel the text: “A mobile software application for a Bluetooth enabled cellular phone comprising executable program instructions that, when executed by the processor controls the processor to:”, and insert the following text: --A mobile software application for a Bluetooth enabled cellular phone comprising executable program instructions that, when executed by a processor controls the processor to:--.

Claim 12, Column 14, Line 43-49, cancel the text: “wherein establishing the Bluetooth paired connection comprises the Bluetooth enabled data capture device cryptographically authenticating an identity of the Bluetooth enabled cellular phone, wherein detecting and receiving new-data acquired in the Bluetooth enabled data capture device comprises:”, and insert the following text: --wherein establishing the paired Bluetooth connection comprises the Bluetooth enabled data capture device

Signed and Sealed this
Fourth Day of July, 2023


Katherine Kelly Vidal
Director of the United States Patent and Trademark Office

cryptographically authenticating an identity of the Bluetooth enabled cellular phone, wherein detecting and receiving the new-data acquired in the Bluetooth enabled data capture device comprises:--.

Claim 12, Column 14, Line 50-52, cancel the text: "said mobile software application for the Bluetooth enabled cellular phone configured to poll the Bluetooth enabled data capture device for new-data," and insert the following text: --said mobile software application for the Bluetooth enabled cellular phone configured to poll the Bluetooth enabled data capture device for the new-data,--.

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 2

PATENT NO. : US11659381B2
APPLICATION NO.: 17/542,373
ISSUE DATE : May 23, 2023
INVENTOR(S) : Gurvinder Singh; Marcos Klein; Vince Laviano;

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Claim 1, Col. 12, Lines 40-45, cancel the text: "wherein establishing the Bluetooth paired connection comprises the Bluetooth enabled data capture device cryptographically authenticating an identity of the Bluetooth enabled cellular phone, wherein detecting and receiving new-data acquired in the Bluetooth enabled data capture device comprises:", and insert the following text: "wherein establishing the paired Bluetooth connection comprises the Bluetooth enabled data capture device cryptographically authenticating an identity of the Bluetooth enabled cellular phone, wherein detecting and receiving the new-data acquired in the Bluetooth enabled data capture device comprises:".

Claim 7, Col. 13, Lines 55-61, cancel the text: "wherein establishing the Bluetooth paired connection comprises the Bluetooth enabled data capture device cryptographically authenticating an identity of the Bluetooth enabled cellular phone, wherein detecting and receiving new-data acquired in the Bluetooth enabled data capture device comprises:", and insert the following text: "wherein establishing the paired Bluetooth connection comprises the Bluetooth enabled data capture device cryptographically authenticating an identity of the Bluetooth enabled cellular phone, wherein detecting and receiving the new-data acquired in the Bluetooth enabled data capture device comprises:".

Claim 12, Col. 14, Line 34-37, cancel the text: "A mobile software application for a Bluetooth enabled cellular phone comprising executable program instructions that, when executed by the processor controls the processor to:", and insert the following text: "A mobile software application for a Bluetooth enabled cellular phone comprising executable program instructions that, when executed by a processor controls the processor to:"

Claim 12, Col. 14, Line 43-49, cancel the text: "wherein establishing the Bluetooth paired connection comprises the Bluetooth enabled data capture device cryptographically authenticating an identity of the Bluetooth enabled cellular phone, wherein detecting and receiving new-data acquired in the Bluetooth enabled data capture device comprises:", and insert the following text: "wherein establishing the paired Bluetooth connection comprises the Bluetooth enabled data capture device cryptographically authenticating an identity of the Bluetooth enabled cellular phone, wherein detecting and receiving the new-data acquired in the Bluetooth enabled data capture device comprises:"

MAILING ADDRESS OF SENDER (Please do not use Customer Number below):

Ashok Tankha
Lipton, Weinberger & Husick
36 Greenleigh Drive Sewell, NJ 08080

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**Page 2 of 2

PATENT NO. : US11659381B2

APPLICATION NO.: 17/542,373

ISSUE DATE : May 23, 2023

INVENTOR(S) : Gurvinder Singh; Marcos Klein; Vince Laviano;

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Claim 12, Col. 14, Line 50-52, cancel the text: "said mobile software application for the Bluetooth enabled cellular phone configured to poll the Bluetooth enabled data capture device for new-data,", and insert the following text: "said mobile software application for the Bluetooth enabled cellular phone configured to poll the Bluetooth enabled data capture device for the new-data,"

MAILING ADDRESS OF SENDER (Please do not use Customer Number below):

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If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.



ELECTRONIC PAYMENT RECEIPT

APPLICATION #
17/542,373

RECEIPT DATE / TIME
05/29/2023 07:50:54 AM ET

ATTORNEY DOCKET #
CellSpin__04Con18

Title of Invention

Automatic Multimedia Upload For Publishing Data And Multimedia Content

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # 11659381

CONFIRMATION # 1760

FILED BY Ashok Tankha

PATENT CENTER # 62168901

AUTHORIZED BY -

CUSTOMER # 64188

FILING DATE 12/04/2021

CORRESPONDENCE ADDRESS -

FIRST NAMED INVENTOR Gurvinder Singh

Payment Information

PAYMENT METHOD
CARD / 3040

PAYMENT TRANSACTION ID
E20235S853196811

PAYMENT AUTHORIZED BY
Ashok Tankha

FEE CODE	DESCRIPTION	ITEM PRICE(\$)	QUANTITY	ITEM TOTAL(\$)
2811	CERTIFICATE OF CORRECTION	160.00	1	160.00
TOTAL AMOUNT:				\$160.00

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re. application of:
Patent no.: US 11659381 B2
Application No.: 17/542,373
Filed: 12/04/2021
Issued: May 23, 2023

Inventors: Gurvinder Singh; Marcos Klein; Vince Laviano
Assignee: CellSpin Soft Inc., San Jose, CA, US
Docket no.: CellSpin_04Con18
Title: Automatic Multimedia Upload For Publishing Data And Multimedia Content

Attn: Office of Data Management Attention: Certificates of Correction Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Certification of Correction Requested for United States Patent no. US 11659381 B2 due to applicant's mistake

Dear Sir:

Please amend the above referenced patent as shown in the enclosed Form PTO/SB/44. I submit that the mistake is:

- a) Of a clerical nature;
- b) Of a typographical nature, and
- c) A mistake of minor character.

I further submit that the correction does not involve changes which would:

- a) Constitute new matter; or
- b) Require re-examination.

As such, I respectfully request issuance of a Certificate of Correction of claims 1, 8 and 14.

Enclosed:

1. Certificate of Correction, form PTO/SB/44.
2. Fees:
 - a) **\$160 towards fee set forth in 1.20(a) for providing a certificate of correction for applicant's mistake; and**

General Authorization to charge or credit fees: The Director is hereby authorized to charge any underpayment of fee or any other fee that may be required to deposit account no. 600314.

Certificate Of Transmission Under 37 § CFR 1.8: The undersigned hereby certifies that this Transmittal Letter and the papers as described in paragraph 1 hereinabove, are being electronically transmitted to the United States Patent and Trademark Office **via the USPTO electronic filing system** on this **29th** day of **May 2023**.

Respectfully submitted,

Date: May 29, 2023

/Ash tankha/
Ashok Tankha
Attorney For Applicant
Reg. No. 33,802

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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
17/542,373

RECEIPT DATE / TIME
05/29/2023 07:50:54 AM ET

ATTORNEY DOCKET #
CellSpin_04Con18

Title of Invention

Automatic Multimedia Upload For Publishing Data And Multimedia Content

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # 11659381

CONFIRMATION # 1760

FILED BY Ashok Tankha

PATENT CENTER # 62168901

FILING DATE 12/04/2021

CUSTOMER # 64188

FIRST NAMED INVENTOR Gurvinder Singh

CORRESPONDENCE ADDRESS -

AUTHORIZED BY -

Documents

TOTAL DOCUMENTS: 2

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
CellSpin_04Con18_certificate_of_correction_29_May_2023.pdf	2	Request for Certificate of Correction	94 KB
Cellspin_04Con18_sb0044_2_6_May_2023_Final.pdf	3	Request for Certificate of Correction	301 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
CellSpin_04Con18_certificate_o	61A55CEA01D06E9581ED53286A50C7F6DC327F67AB3AB52FE

f_correction_29_May_2023.pdf	DE45544C2CEE743ACA3E20A72F3D498833548342DE61236FB C4B656ABEEAD848A6C35E23F3E6F34
Cellspin_04Con18_sb0044_26_May_2023_Final.pdf	7AD10A78B6AAC7AC8759A687551AA7B35020B4D7C7BD AFB3 290C67002898C0BC9E98CC9FDC31405CC58C9D15D547548C7 6635F43FC0733B13E7A57B8C6288D69

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National Stage of an International Application under 35 U.S.C. 371

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New International Application Filed with the USPTO as a Receiving Office

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APPLICATION NO.	ISSUE DATE	PATENT NO.
17/542,373	23-MAY-23	11659381

ASHOK TANKHA
36 GREENLEIGH DRIVE
SEWELL, NJ 08080

EGRANT NOTIFICATION

Your electronic patent grant (eGrant) is now available, which can be accessed via Patent Center at <https://patentcenter.uspto.gov>

The electronic patent grant is the official patent grant under 35 U.S.C. 153. For more information, please visit <https://www.uspto.gov/electronicgrants>



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UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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www.uspto.gov

APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/542,373	05/23/2023	11659381	CellSpin_04Con18	1760

64188 7590 05/03/2023

ASHOK TANKHA
36 GREENLEIGH DRIVE
SEWELL, NJ 08080

ISSUE NOTIFICATION

The projected patent number and issue date are specified above. The patent will issue electronically. The electronically issued patent is the official patent grant pursuant to 35 U.S.C. § 153. The patent may be accessed on or after the issue date through Patent Center at <https://patentcenter.uspto.gov/>. The patent will be available in both the public and the private sides of Patent Center. Further assistance in electronically accessing the patent, or about Patent Center, is available by calling the Patent Electronic Business Center at 1-888-217-9197.

The USPTO is implementing electronic patent issuance with a transition period, during which period the USPTO will mail a ceremonial paper copy of the electronic patent grant to the correspondence address of record. Additional copies of the patent (i.e., certified and presentation copies) may be ordered for a fee from the USPTO's Certified Copy Center at <https://certifiedcopycenter.uspto.gov/index.html>. The Certified Copy Center may be reached at (800)972-6382.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment is 0 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Patents Stakeholder Experience (OPSE), Stakeholder Support Division (SSD) at (571)-272-4200.

INVENTOR(s) (Please see PAIR WEB site <http://pair.uspto.gov> for additional inventors):

Gurvinder Singh, Santa Clara, CA;
Marcos Klein, Mountain View, CA;
Vince Laviano, Alviso, CA;

APPLICANT(s) (Please see PAIR WEB site <http://pair.uspto.gov> for additional applicants):

CellSpinSoft Inc., San Jose, CA;

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The USA offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to encourage and facilitate business investment. To learn more about why the USA is the best country in the world to develop technology, manufacture products, and grow your business, visit SelectUSA.gov.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re. application of:

Gurvinder Singh

Application No.: 17/542,373

Filed: 12/04/2021

Applicant: CellSpin Soft Inc.

Title: Automatic Multimedia Upload

For Publishing Data And Multimedia Content

Examiner: Nooristany, Sulaiman

Art Unit: 2415

Atty. Docket no.: CellSpin_04Con18

Office of Data Management
Randolph Square Building 9th Floor
2800 South Randolph Street
Arlington, VA 22206

Amendments after NOA

Examiner Nooristany:

Further to issuance of notice of allowance (NOA) with claim amendments on February 21, 2023, applicant requests that the following amendments after NOA be accepted before issuance of a patent.

Amendment to the claims begin on page 2 of this response.

Remarks begin on page 9 of this response.

Amendments to the claims

Claim 1 (currently amended): A system, comprising:

a mobile software application for a Bluetooth enabled cellular phone, wherein the mobile software application is embodied as executable program instructions that, when executed by a processor of the Bluetooth enabled cellular phone, configured to:

detect and receive new-data acquired in a Bluetooth enabled data capture device, wherein the new-data is data acquired by the Bluetooth enabled data capture device after establishing a paired Bluetooth connection between the Bluetooth enabled data capture device and the Bluetooth enabled cellular phone, wherein establishing the paired Bluetooth ~~paired~~ connection comprises the Bluetooth enabled data capture device cryptographically authenticating an identity of the Bluetooth enabled cellular phone, wherein detecting and receiving the new-data acquired in the Bluetooth enabled data capture device comprises:

said mobile software application for the Bluetooth enabled cellular phone configured to listen for an event notification, sent from the Bluetooth enabled data capture device, over the established paired Bluetooth connection, wherein the event notification corresponds to the acquired new-data and comprises sending a signal from the Bluetooth enabled data capture device to the Bluetooth enabled cellular phone; and

said mobile software application for the Bluetooth enabled cellular phone configured to receive, from the Bluetooth enabled data capture device, the event notification and the acquired new-data over the established paired Bluetooth connection;

store the received new-data in a memory of the Bluetooth enabled cellular phone;

use Hypertext Transfer Protocol to transfer the received new-data along with a user authentication credential to a remote server over a cellular data network, wherein the mobile software application is further configured to use the Hypertext Transfer Protocol to send a user preference to the remote server over the cellular data network, and wherein the user preference comprises global positioning system information; and

display a mobile advertisement inside the mobile software application;

an online data publishing web service, the online data publishing web service comprising:

said remote server configured with a network internet connection to communicate with the mobile software application;

a user authentication software module, wherein the user authentication software module processes the user authentication credential received from the mobile software application;

a database, wherein the database stores a user profile; and

a mobile software application advertising software module, wherein the mobile software application advertising software module selects advertisements based on the user profile and sends the selected advertisements to the mobile software application;

said online data publishing web service configured to receive the new-data and the user authentication credential from the Bluetooth enabled cellular phone via the Hypertext Transfer Protocol; and

said online data publishing web service configured to process the received user authentication credential and the new-data.

Claim 2 (original): The system of claim 1, wherein the user authentication credential is stored in the memory of the Bluetooth enabled cellular phone, and wherein the user authentication credential is used by the remote server to authenticate a user.

Claim 3 (original): The system of claim 1, wherein the remote server is further configured to store the new-data.

Claim 4 (cancelled).

Claim 5 (original): The system of claim 1, wherein the mobile software application provides a touch based GUI for the received new-data.

Claim 6 (original): The system of claim 1, wherein the mobile software application provides a touch based advertisement targeted to a user.

Claim 7 (original): The system of claim 1, wherein the mobile advertisement is based on the user profile.

Claim 8 (currently amended): A mobile software application for a Bluetooth enabled cellular phone, wherein the mobile software application is embodied as executable program instructions that, when executed by a processor of the Bluetooth enabled cellular phone, configured to:

detect and receive new-data acquired in a Bluetooth enabled data capture device, wherein the new-data is data acquired by the Bluetooth enabled data capture device after establishing a paired Bluetooth connection between the Bluetooth enabled data capture device and the Bluetooth enabled cellular phone, wherein establishing the paired Bluetooth ~~paired~~ connection comprises the Bluetooth enabled data capture device cryptographically authenticating an identity of the Bluetooth enabled cellular phone, wherein detecting and receiving the new-data acquired in the Bluetooth enabled data capture device comprises:

said mobile software application for the Bluetooth enabled cellular phone configured to listen for an event notification, sent from the Bluetooth enabled data capture device, over the established paired Bluetooth connection, wherein the event notification corresponds to the acquired new-data and comprises sending a signal from the Bluetooth enabled data capture device to the Bluetooth enabled cellular phone; and

said mobile software application for the Bluetooth enabled cellular phone configured to receive, from the Bluetooth enabled data capture device, the event notification and the acquired new-data over the established paired Bluetooth connection;

store the received new-data in a memory of the Bluetooth enabled cellular phone;

use Hypertext Transfer Protocol to transfer the received new-data along with a user authentication credential to a remote server over a cellular data network, wherein the mobile software application is further configured to use the Hypertext Transfer Protocol to send a user preference to the remote server over the cellular data network, and wherein the user preference comprises global positioning system information; and

display a mobile advertisement inside the mobile software application.

Claim 9 (original): The mobile software application of claim 8, wherein the user authentication credential is stored in the memory of the Bluetooth enabled cellular phone, and wherein the user authentication credential is used by the remote server to authenticate a user.

Claim 10 (original): The mobile software application of claim 8, wherein the remote server is configured to store the new-data.

Claim 11 (cancelled).

Claim 12 (original): The mobile software application of claim 8, wherein the mobile software application provides a touch based GUI for the received new-data.

Claim 13 (original): The mobile software application of claim 8, wherein the mobile software application provides a touch based advertisement targeted to a user.

Claim 14 (currently amended): A mobile software application for a Bluetooth enabled cellular phone comprising executable program instructions that, when executed by [[the]]
a processor controls the processor to:

detect and receive new-data acquired in a Bluetooth enabled data capture device, wherein the new-data is data acquired by the Bluetooth enabled data capture device after establishing a paired Bluetooth connection between the Bluetooth enabled data capture device and the Bluetooth enabled cellular phone, wherein establishing the paired Bluetooth ~~paired~~ connection comprises the Bluetooth enabled data capture device cryptographically authenticating an identity of the Bluetooth enabled cellular phone, wherein detecting and receiving the new-data acquired in the Bluetooth enabled data capture device comprises:

said mobile software application for the Bluetooth enabled cellular phone configured to poll the Bluetooth enabled data capture device for the new-data, over the established paired Bluetooth connection, wherein polling comprises sending a request to the Bluetooth enabled data capture device to check if the acquired new-data is available for transfer; and

said mobile software application for the Bluetooth enabled cellular phone configured to receive, from the Bluetooth enabled data capture device, the acquired new-data over the established paired Bluetooth connection;

store the received new-data in a memory of the Bluetooth enabled cellular phone;

use Hypertext Transfer Protocol to transfer the received new-data along with a user authentication credential to a remote server over a cellular data network, wherein the mobile software application is further configured to use the Hypertext Transfer Protocol to send a user preference to the remote server over the cellular data network, and wherein the user preference comprises global positioning system information; and

display a mobile advertisement inside the mobile software application.

Claim 15 (original): The mobile software application of claim 14, wherein the user authentication credential is stored in the memory of the Bluetooth enabled cellular phone, and wherein the user authentication credential is used by the remote server to authenticate a user.

Claim 16 (original): The mobile software application of claim 14, wherein the remote server is configured to store the new-data.

Claim 17 (cancelled).

Claim 18 (original): The mobile software application of claim 14, wherein the mobile software application provides a touch based GUI for the received new-data.

Claim 19 (original): The mobile software application of claim 14, wherein the mobile software application provides a touch based advertisement targeted to a user.

Remarks

Amendments to the claims

Claims 1, 8, and 14 are currently amended. Applicant respectfully submits that the claim amendments do not add new subject matter.

Conclusion

Applicant respectfully requests reconsideration and allowance of the after NOA amendments.

Respectfully submitted,

Date: April 24, 2023

/Ash tankha/
Ashok Tankha
Attorney For Applicant
Reg. No. 33,802

Correspondence Address

Ashok Tankha
Lipton, Weinberger & Husick
36 Greenleigh Drive
Sewell, NJ 08080
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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
17/542,373

RECEIPT DATE / TIME
04/24/2023 06:55:13 AM ET

ATTORNEY DOCKET #
CellSpin_04Con18

Title of Invention

Automatic Multimedia Upload For Publishing Data And Multimedia Content

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 1760

FILED BY Ashok Tankha

PATENT CENTER # 61968354

FILING DATE 12/04/2021

CUSTOMER # 64188

FIRST NAMED INVENTOR Gurvinder Singh

CORRESPONDENCE ADDRESS -

AUTHORIZED BY -

Documents

TOTAL DOCUMENTS: 1

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
Cellspin_04Con18_Amendments_after_NOA_24_April_2023.pdf	9	Amendment after Notice of Allowance (Rule 312)	96 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
Cellspin_04Con18_Amendment_s_after_NOA_24_April_2023.pdf	2B28423E3F7053D2C0C6F172D52A483C496BEEA61F587E5C507BC2B0840C0C321F9C7326C10D55D49F9D5E91DCCD58AE8B1215F52A4A11A9A28E62214377C265

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.



ELECTRONIC PAYMENT RECEIPT

APPLICATION #
17/542,373

RECEIPT DATE / TIME
04/10/2023 08:03:57 AM ET

ATTORNEY DOCKET #
CellSpin__04Con18

Title of Invention

Automatic Multimedia Upload For Publishing Data And Multimedia Content

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 1760

FILED BY Ashok Tankha

PATENT CENTER # 61890813

AUTHORIZED BY -

CUSTOMER # 64188

FILING DATE 12/04/2021

CORRESPONDENCE
ADDRESS -

FIRST NAMED
INVENTOR Gurvinder Singh

Payment Information

PAYMENT METHOD
CARD / 3040

PAYMENT TRANSACTION ID
E202340908505809

PAYMENT AUTHORIZED BY
Ashok Tankha

FEE CODE	DESCRIPTION	ITEM PRICE(\$)	QUANTITY	ITEM TOTAL(\$)
2501	UTILITY ISSUE FEE	480.00	1	480.00
TOTAL AMOUNT:				\$480.00

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submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

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under 35 USC 111(a)

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FILED BY Ashok Tankha

PATENT CENTER # 61890813

FILING DATE 12/04/2021

CUSTOMER # 64188

FIRST NAMED INVENTOR Gurvinder Singh

CORRESPONDENCE ADDRESS -

AUTHORIZED BY -

Documents

TOTAL DOCUMENTS: 1

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
Appl_17542373_Issue_fee_transmittal.pdf	1	Issue Fee Payment (PTO-85B)	244 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
Appl_17542373_Issue_fee_transmittal.pdf	1C5D361F1D4A110687CE436E4EFF470B792BC60568AF17311C05273CDEA4C968B5B736F1A0BF6343820C97293C0E15651D148A911B8C42D76C26B4BA5C427296

by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

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PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

By mail, send to: Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

By fax, send to: (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

64188 7590 02/21/2023
ASHOK TANKHA
36 GREENLEIGH DRIVE
SEWELL, NJ 08080

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO via EFS-Web or by facsimile to (571) 273-2885, on the date below.

(Typed or printed name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/542,373	12/04/2021	Gurvinder Singh	CellSpin_04Con18	1760

TITLE OF INVENTION: Automatic Multimedia Upload For Publishing Data And Multimedia Content

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$480	\$0.00	\$0.00	\$480	05/22/2023

EXAMINER	ART UNIT	CLASS-SUBCLASS
NOORISTANY, SULAIMAN	2415	370-313000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/AIA/122 or PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/AIA/47 or PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Ashok Tankha

2

3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

CellSpinSoft Inc.

San Jose, USA

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government4a. Fees submitted: ☒ Issue Fee ☐ Publication Fee (if required) ☐ Advance Order - # of Copies _____

4b. Method of Payment: (Please first reapply any previously paid fee shown above)

☒ Electronic Payment via EFS-Web ☐ Enclosed check ☐ Non-electronic payment by credit card (Attach form PTO-2038)☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. _____

5. Change in Entity Status (from status indicated above)

☐ Applicant certifying micro entity status. See 37 CFR 1.29☐ Applicant asserting small entity status. See 37 CFR 1.27☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature /Ash Tankha/

Date 04/10/2023

Typed or printed name Ashok Tankha

Registration No. 33802

UNITED STATES PATENT AND TRADEMARK OFFICE
COMMISSIONER FOR PATENTS
P.O.BOX 1450
ALEXANDRIA VA 22313-1451

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U.S. POSTAGE PAID
POSTEDIGITAL
NNNNN

ASHOK TANKHA
36 GREENLEIGH DRIVE
SEWELL, NJ 08080



**Courtesy Reminder for
Application Serial No: 17/542,373**

Attorney Docket No: CellSpin_04Con18

Customer Number: 64188

Date of Electronic Notification: 02/22/2023

This is a courtesy reminder that new correspondence is available for this application. If you have not done so already, please review the correspondence. The official date of notification of the outgoing correspondence will be indicated on the form PTOL-90 accompanying the correspondence.

An email notification regarding the correspondence was sent to the following email address(es) associated with your customer number:

docketing@ipprocurement.com
docketing1@ipprocurement.com
ASH@IPPROCUREMENT.COM

To view your correspondence online or update your email addresses, please visit us anytime at **<https://ppair-my.uspto.gov/pair/PrivatePair>**.

If you have any questions, please email the Electronic Business Center (EBC) at EBC@uspto.gov or call 1-866-217-9197.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

64188 7590 02/21/2023
ASHOK TANKHA
36 GREENLEIGH DRIVE
SEWELL, NJ 08080

EXAMINER	
NOORISTANY, SULAIMAN	
ART UNIT	PAPER NUMBER

2415

DATE MAILED: 02/21/2023

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/542,373	12/04/2021	Gurvinder Singh	CellSpin_04Con18	1760

TITLE OF INVENTION: Automatic Multimedia Upload For Publishing Data And Multimedia Content

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$480	\$0.00	\$0.00	\$480	05/22/2023

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 40% the amount of undiscounted fees, and micro entity fees are 20% the amount of undiscounted fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Maintenance fees are due in utility patents issuing on applications filed on or after Dec. 12, 1980. It is patentee's responsibility to ensure timely payment of maintenance fees when due. More information is available at www.uspto.gov/PatentMaintenanceFees.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

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Commissioner for Patents
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64188 7590 02/21/2023
ASHOK TANKHA
36 GREENLEIGH DRIVE
SEWELL, NJ 08080

Certificate of Mailing or Transmission

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(Typed or printed name)
(Signature)
(Date)

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EXAMINER	ART UNIT	CLASS-SUBCLASS
NOORISTANY, SULAIMAN	2415	370-313000

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1 _____

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2 _____

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(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☐ Corporation or other private group entity ☐ Government4a. Fees submitted: ☐ Issue Fee ☐ Publication Fee (if required) ☐ Advance Order - # of Copies _____

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Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/542,373	12/04/2021	Gurvinder Singh	CellSpin_04Con18	1760
64188	7590	02/21/2023	EXAMINER	
ASHOK TANKHA 36 GREENLEIGH DRIVE SEWELL, NJ 08080			NOORISTANY, SULAIMAN	
			ART UNIT	PAPER NUMBER
			2415	
DATE MAILED: 02/21/2023				

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of Allowability	Application No. 17/542,373	Applicant(s) Singh et al.	
	Examiner SULAIMAN NOORISTANY	Art Unit 2415	AIA (FITF) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 1/9/23 & 2/2/23.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2. ☐ 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.

3. ☒ The allowed claim(s) is/are See Continuation Sheet. As a result of the allowed claim(s), 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**.

4. ☐ 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)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892) 2. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____. 3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____. 4. ☒ Interview Summary (PTO-413), Paper No./Mail Date. <u>2/2/23</u> .	5. ☐ Examiner's Amendment/Comment 6. ☒ Examiner's Statement of Reasons for Allowance 7. ☐ Other _____.
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Continuation of 3. The allowed claim(s) is/are: 1-3,5-10,12-16 and 18-19

Notice of Pre-AIA or AIA Status

The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

Examiner Amendment

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Applicant agreed that the examiner's amendment, authorized by Ashok Tankha on 2/2/23

AMENDMENTS TO THE CLAIMS

Claim 1 (currently amended): A system, comprising:

a mobile software application for a Bluetooth enabled cellular phone, wherein the mobile software application is embodied as executable program instructions that, when executed by a processor of the Bluetooth enabled cellular phone, configured to:

detect and receive new-data acquired in a Bluetooth enabled data capture device, wherein the new-data is data acquired by the Bluetooth enabled data capture device after establishing a paired Bluetooth connection between the Bluetooth enabled data capture device and the Bluetooth enabled cellular phone, wherein establishing the Bluetooth paired connection comprises the Bluetooth enabled data capture device cryptographically authenticating an identity of the Bluetooth enabled cellular phone, wherein detecting and receiving new-data acquired in the Bluetooth enabled data capture device comprises:

said mobile software application for the Bluetooth enabled cellular phone configured to listen for an event notification, sent from the Bluetooth enabled data capture device, over the established paired Bluetooth connection, wherein the event notification corresponds to the acquired new-data and comprises sending a signal from the Bluetooth enabled data capture device to the Bluetooth enabled cellular phone; and

said mobile software application for the Bluetooth enabled cellular phone configured to receive, from the Bluetooth enabled data capture device, the event notification and the acquired new-data over the established paired Bluetooth connection;

store the received new-data in a memory of the Bluetooth enabled cellular phone;

use Hypertext Transfer Protocol to transfer the received new-data along with a user authentication credential to a remote server over a cellular data network, wherein the mobile software application is further configured to use the Hypertext Transfer Protocol to send a user preference to the remote server over the cellular data network, and wherein the user preference comprises global positioning system information; and

display a mobile advertisement inside the mobile software application;

an online data publishing web service, the online data publishing web service comprising:

said remote server configured with a network internet connection to communicate with the mobile software application;

a user authentication software module, wherein the user authentication software module processes the user authentication credential received from the mobile software application;

a database, wherein the database stores a user profile; and

a mobile software application advertising software module, wherein the mobile software application advertising software module selects advertisements based on the user profile and sends the selected advertisements to the mobile software application;

said online data publishing web service configured to receive the new-data and the user authentication credential from the Bluetooth enabled cellular phone via the Hypertext Transfer Protocol; and

said online data publishing web service configured to process the received user authentication credential and the new-data.

Claim 2 (original): The system of claim 1, wherein the user authentication credential is stored in the memory of the Bluetooth enabled cellular phone, and wherein the user authentication credential is used by the remote server to authenticate a user.

Claim 3 (original): The system of claim 1, wherein the remote server is further configured to store the new-data.

Claim 4 (cancelled).

Claim 5 (original): The system of claim 1, wherein the mobile software application provides a touch based GUI for the received new-data.

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Claim 6 (original): The system of claim 1, wherein the mobile software application provides a touch based advertisement targeted to a user.

Claim 7 (original): The system of claim 1, wherein the mobile advertisement is based on the user profile.

Claim 8 (currently amended): A mobile software application for a Bluetooth enabled cellular phone, wherein the mobile software application is embodied as executable program instructions that, when executed by a processor of the Bluetooth enabled cellular phone, configured to:

detect and receive new-data acquired in a Bluetooth enabled data capture device, wherein the new-data is data acquired by the Bluetooth enabled data capture device after establishing a paired Bluetooth connection between the Bluetooth enabled data capture device and the Bluetooth enabled cellular phone, wherein establishing the Bluetooth paired connection comprises the Bluetooth enabled data capture device cryptographically authenticating an identity of the Bluetooth enabled cellular phone, wherein detecting and receiving new-data acquired in the Bluetooth enabled data capture device comprises:

said mobile software application for the Bluetooth enabled cellular phone configured to listen for an event notification, sent from the Bluetooth enabled data capture device, over the established paired Bluetooth connection, wherein the event notification corresponds to the acquired new-data and comprises sending a signal from the Bluetooth enabled data capture device to the Bluetooth enabled cellular phone; and

said mobile software application for the Bluetooth enabled cellular phone configured to receive, from the Bluetooth enabled data capture device, the event notification and the acquired new-data over the established paired Bluetooth connection;

store the received new-data in a memory of the Bluetooth enabled cellular phone;

use Hypertext Transfer Protocol to transfer the received new-data along with a user authentication credential to a remote server over a cellular data network, wherein the mobile software application is further configured to use the Hypertext Transfer Protocol to send a user preference to the remote server over the cellular data network, and wherein the user preference comprises global positioning system information; and

display a mobile advertisement inside the mobile software application.

Claim 9 (original): The mobile software application of claim 8, wherein the user authentication credential is stored in the memory of the Bluetooth enabled cellular phone, and wherein the user authentication credential is used by the remote server to authenticate a user.

Claim 10 (original): The mobile software application of claim 8, wherein the remote server is configured to store the new-data.

Claim 11 (cancelled).

Claim 12 (original): The mobile software application of claim 8, wherein the mobile software application provides a touch based GUI for the received new-data.

Claim 13 (original): The mobile software application of claim 8, wherein the mobile software application provides a touch based advertisement targeted to a user.

Claim 14 (currently amended): A mobile software application for a Bluetooth enabled cellular phone comprising executable program instructions that, when executed by the processor controls the processor to:

detect and receive new-data acquired in a Bluetooth enabled data capture device, wherein the new-data is data acquired by the Bluetooth enabled data capture device after establishing a paired Bluetooth connection between the Bluetooth enabled data capture

device and the Bluetooth enabled cellular phone, wherein establishing the Bluetooth paired connection comprises the Bluetooth enabled data capture device cryptographically authenticating an identity of the Bluetooth enabled cellular phone, wherein detecting and receiving new-data acquired in the Bluetooth enabled data capture device comprises:

said mobile software application for the Bluetooth enabled cellular phone configured to poll the Bluetooth enabled data capture device for new-data, over the established paired Bluetooth connection, wherein polling comprises sending a request to the Bluetooth enabled data capture device to check if the acquired new-data is available for transfer; and

said mobile software application for the Bluetooth enabled cellular phone configured to receive, from the Bluetooth enabled data capture device, the acquired new-data over the established paired Bluetooth connection;

store the received new-data in a memory of the Bluetooth enabled cellular phone;

use Hypertext Transfer Protocol to transfer the received new-data along with a user authentication credential to a remote server over a cellular data network, wherein the mobile software application is further configured to use the Hypertext Transfer Protocol to send a user preference to the remote server over the cellular data network, and wherein the user preference comprises global positioning system information; and

display a mobile advertisement inside the mobile software application.

Claim 15 (original): The mobile software application of claim 14, wherein the user authentication credential is stored in the memory of the Bluetooth enabled cellular phone, and wherein the user authentication credential is used by the remote server to authenticate a user.

Claim 16 (original): The mobile software application of claim 14, wherein the remote server is configured to store the new-data.

Claim 17 (cancelled).

Claim 18 (original): The mobile software application of claim 14, wherein the mobile software application provides a touch based GUI for the received new-data.

Claim 19 (original): The mobile software application of claim 14, wherein the mobile software application provides a touch based advertisement targeted to a user.

Claims **1-3, 5-10, 12-16, 18-19** are allowed.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sulaiman Nooristany whose telephone number is 571-270-1929. The examiner can normally be reached on Monday thru Friday: 8:30am to 5:00pm (EST). If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeff Rutkowski can be reached on 571-270-1215. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. 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. 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

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a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/SULAIMAN NOORISTANY/

Primary Examiner, Art Unit 2415

<i>Examiner-Initiated Interview Summary</i>	Application No. 17/542,373	Applicant(s) Singh et al.		
	Examiner SULAIMAN NOORISTANY	Art Unit 2415	AIA (First Inventor to File) Status No	Page 1 of 1

All Participants (applicant, applicants representative, PTO personnel)	Title	Type
SULAIMAN NOORISTANY	Primary Examiner	Telephonic
Ashok Tankha	Attorney	

Date of Interview: 02 February 2023

Issues Discussed:

Proposed Amendment(s)

Applicant agreed that the examiner's amendment, authorized by Ashok Tankha on 2/2/23

/SULAIMAN NOORISTANY/ Primary Examiner, Art Unit 2415	
Applicant is reminded that a complete written statement as to the substance of the interview must be made of record in the application file. It is the applicants responsibility to provide the written statement, unless the interview was initiated by the Examiner and the Examiner has indicated that a written summary will be provided. See MPEP 713.04 Please further see: MPEP 713.04 Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews, paragraph (b) 37 CFR § 1.2 Business to be transacted in writing	

Applicant recordation instructions: It is not necessary for applicant to provide a separate record of the substance of interview.

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

<i>Notice of References Cited</i>	Application/Control No. 17/542,373		Applicant(s)/Patent Under Reexamination Singh et al.	
	Examiner SULAIMAN NOORISTANY		Art Unit 2415	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-20040005915-A1	01-2004	Hunter, Andrew Arthur	H04M1/72412	455/575.1
*	B	US-20070226778-A1	09-2007	Pietruszka; Jorg	H04L63/104	726/2
*	C	US-20070111748-A1	05-2007	Risbood; Pankaj	H04W24/06	455/423
	D					
	E					
	F					
	G					
	H					
	I					
	J					
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

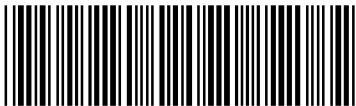
*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

<i>Index of Claims</i> 	Application/Control No. 17/542,373	Applicant(s)/Patent Under Reexamination Singh et al.
	Examiner SULAIMAN NOORISTANY	Art Unit 2415

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

CLAIMS										
☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47										
CLAIM		DATE								
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2	2	✓	=							
3	3	✓	=							
	4	✓	-							
4	5	✓	=							
5	6	✓	=							
6	7	✓	=							
7	8	✓	=							
8	9	✓	=							
9	10	✓	=							
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	17	✓	-							
15	18	✓	=							
16	19	✓	=							

Issue Classification 	Application/Control No. 17/542,373	Applicant(s)/Patent Under Reexamination Singh et al.	
	Examiner SULAIMAN NOORISTANY	Art Unit 2415	

CPC						
Symbol					Type	Version
H04W	/	8	/	24	F	2013-01-01
G06F	/	16	/	958	I	2019-01-01
H04W	/	4	/	80	I	2018-02-01
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H04W	/	12	/	50	I	2021-01-01
H04L	/	65	/	00	I	2013-01-01
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H04W	/	84	/	18	A	2013-01-01
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CPC Combination Sets				
Symbol	Type	Set	Ranking	Version
/				

NONE (Assistant Examiner) _____ (Date) _____		Total Claims Allowed: 16	
/SULAIMAN NOORISTANY/ Primary Examiner, Art Unit 2415 (Primary Examiner) _____ (Date) _____		O.G. Print Claim(s) 1	O.G. Print Figure 1

<i>Issue Classification</i> 	Application/Control No. 17/542,373	Applicant(s)/Patent Under Reexamination Singh et al.
	Examiner SULAIMAN NOORISTANY	Art Unit 2415

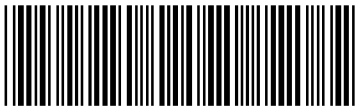
INTERNATIONAL CLASSIFICATION			
CLAIMED			
H04W	/	8	/ 24

NON-CLAIMED			
/		/	

US ORIGINAL CLASSIFICATION	
CLASS	SUBCLASS

CROSS REFERENCES(S)						
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)					

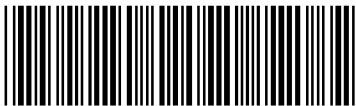
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(Assistant Examiner)	(Date)	16	
/SULAIMAN NOORISTANY/ Primary Examiner, Art Unit 2415	02 February 2023	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

<i>Issue Classification</i> 	Application/Control No. 17/542,373	Applicant(s)/Patent Under Reexamination Singh et al.
	Examiner SULAIMAN NOORISTANY	Art Unit 2415

☐ Claims renumbered in the same order as presented by applicant
 ☐ CPA
 ☐ T.D.
 ☐ R.1.47

CLAIMS															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1	9	10	16	19										
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7	8		17												
8	9	15	18												

NONE (Assistant Examiner) _____ (Date) _____		Total Claims Allowed: 16	
/SULAIMAN NOORISTANY/ Primary Examiner, Art Unit 2415 (Primary Examiner) _____ (Date) _____		02 February 2023 (Date)	O.G. Print Claim(s) 1 O.G. Print Figure 1

<i>Search Notes</i> 	Application/Control No. 17/542,373	Applicant(s)/Patent Under Reexamination Singh et al.
	Examiner SULAIMAN NOORISTANY	Art Unit 2415

CPC - Searched*		
Symbol	Date	Examiner
h04w8/24,H06f17/00	10/06/2022	SN

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	Date	Examiner
Tech Search, Google, Inventor Search, US PGPUB, USPAT, FPRS, JPO, DERWENT	10/06/2022	SN
Tech Search, Google, Inventor Search, US PGPUB, USPAT, FPRS, JPO, DERWENT	02/02/2023	SN

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
PGPUB	see search history	02/02/2023	SN

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PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	0	bluetooth near enbaled near mobile	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2010/09/09 02:43 PM
L2	0	bluetooth near enbaled	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2010/09/09 02:43 PM
L3	3935	bluetooth near enabled	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2010/09/09 02:43 PM
L4	380	bluetooth near enabled near mobile	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2010/09/09 02:44 PM
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L30	0	transfer\$3 near6 (pull or push) near mode same bluetooth	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2012/05/24 02:48 PM
L31	24	L29 and bluetooth	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2012/05/24 02:48 PM

L32	2	"20080109317"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2012/05/24 03:31 PM
L33	1	"12599475"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2012/05/24 06:15 PM
L34	3	"20090086683"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2012/05/24 06:25 PM
L35	2	absence near6 in-built adj Bluetooth	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2012/05/24 07:29 PM
L36	5	in-built adj Bluetooth	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2012/05/24 07:30 PM
L37	0	without same in-built adj Bluetooth	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2012/05/24 07:32 PM
L38	2	enabled same in-built adj Bluetooth	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2012/05/24 07:33 PM
L39	2	"20060264176"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2012/05/24 07:43 PM
L40	2	laviano.in. and bluetooth	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2012/12/11 08:33 PM
L41	57164	(singh or klein or laviano).in.	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2012/12/12 09:37 AM
L42	57164	(singh or klein or laviano).in.	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2012/12/12 09:37 AM
L43	68	(singh or klein or laviano).in. and (bluetooth or blue- tooth).clm.	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2012/12/12 09:38 AM
L44	68	(singh or klein or laviano).in. and (bluetooth or blue-tooth same (segemet\$3 same identifier)).clm.	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2012/12/12 09:39 AM
L45	0	(singh or klein or laviano).in. and ((bluetooth or blue- tooth) same	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2012/12/12 09:39 AM

L46	68	(segemet\$3 same identifier)).clm. (singh or klein or laviano).in. and ((bluetooth or blue-tooth)).clm.	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2012/12/12 09:39 AM
L47	0	(singh or klein or laviano).in. and ((bluetooth or blue-tooth) same (segemet\$3)).clm.	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2012/12/12 09:40 AM
L48	0	(singh or klein or laviano).in. and ((bluetooth or blue-tooth) same (size)).clm.	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2012/12/12 09:40 AM
L49	3	(singh or klein or laviano).in. and ((bluetooth or blue-tooth) same (memory)).clm.	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2012/12/12 09:41 AM
L50	1	(singh or klein or laviano).in. and ((bluetooth or blue-tooth) same (publish\$3)).clm.	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2012/12/12 09:42 AM
L51	3	(singh or klein or laviano).in. and ((multimedia) same (publish\$3)).clm.	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2012/12/12 09:42 AM
L52	47	(singh or klein or laviano).in. and ((data) same (publish\$3)).clm.	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2012/12/12 09:46 AM
L53	1	(singh or klein or laviano).in. and ((data) same (publish\$3) and bluetooth).clm.	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2012/12/12 09:46 AM
L54	68	(singh or klein or laviano).in. and (bluetooth).clm.	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2012/12/12 09:47 AM
L55	484949	709/230.ccls. or "709"/\$.ccls. or "370"/\$.ccls. or "455"/\$.ccls.	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2012/12/12 09:52 AM
L56	2	L55 and (bluetooth near6 memory near size)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2012/12/12 09:53 AM
L57	21	L55 and (bluetooth near6 publish\$3 same website\$1)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2012/12/12 09:54 AM
L58	1	L57 and (front end service)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2012/12/12 09:55 AM
L59	1	L57 and (back end	(US-PGPUB; USPAT;	ADJ	ON	ON	2012/12/12

L60	425	service) L55 and (back end service)	FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	09:55 AM 2012/12/12 09:55 AM
L61	92	L60 and (bluetooth or blue-tooth)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2012/12/12 09:56 AM
L62	2	L60 and (bluetooth or blue-tooth) same publish\$3	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2012/12/12 09:56 AM
L63	4	L61 and publish\$3 same website\$1	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2012/12/12 09:56 AM
L64	37	L61 and website\$1	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2012/12/12 10:00 AM
L65	4	L64 and (splic\$3 or segment\$3 or split\$3 or divi\$3) near6 (data or multimedia)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2012/12/12 10:01 AM
L66	15	L61 and (splic\$3 or segment\$3 or split\$3 or divi\$3) near6 (data or multimedia)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2012/12/12 10:03 AM
L67	1	L61 and (splic\$3 or segment\$3 or split\$3 or divi\$3) near6 (data or multimedia) same identifier	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2012/12/12 10:04 AM
L68	2	L61 and (splic\$3 or segment\$3 or split\$3 or divi\$3) same identifier same (data or multimedia)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2012/12/12 10:04 AM
L69	92	L60 and (bluetooth or blue-tooth or short near range)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2012/12/12 10:39 AM
L70	92	L60 and (bluetooth or blue-tooth or short near range near protocol)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2012/12/12 10:39 AM
L71	2	L70 and (splic\$3 or segment\$3 or split\$3 or divi\$3) same identifier same (data or multimedia)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2012/12/12 10:39 AM
L72	0	L70 and limited near available near memory	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2012/12/12 10:41 AM
L73	397	limited near available near memory	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2012/12/12 10:41 AM
L74	885	limited near (available	(US-PGPUB; USPAT;	OR	ON	ON	2012/12/12

		or space) near memory	FPRS; EPO; JPO; DERWENT; IBM_TDB)				10:42 AM
L75	89	L74 and (bluetooth or blue-tooth or short near range near protocol)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2012/12/12 10:42 AM
L76	9	L75 and (splic\$3 or segment\$3 or split\$3 or divi\$3) same identifier same (data or multimedia)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2012/12/12 10:42 AM
L90	1	"12333303"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2012/12/12 05:20 PM
L91	2	"7466674".pn.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2012/12/12 05:38 PM
L92	3	"20070070944"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2013/08/01 03:04 PM
L93	3	"20110299474"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2013/08/01 03:04 PM
L94	1	"12089391"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2013/08/01 03:08 PM
L95	0	(bluetooth or wi-fi or wifi or short near range) (capture near device same mobile near device) same cryptographic	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2015/02/17 07:16 PM
L96	0	(bluetooth or wi-fi or wifi or short near range) (capture near device same mobile near device)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2015/02/17 07:17 PM
L97	229	(bluetooth or wi-fi or wifi or short near range) same (capture near device same mobile near device)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2015/02/17 07:17 PM
L98	0	L97 and cryptographic near6 encryptp\$3	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2015/02/17 07:18 PM
L99	3	L97 and (cryptographic or encryptp\$3)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2015/02/17 07:18 PM
L100	16	L97 and ("100" near meter)	(US-PGPUB; USPAT; FPRS; EPO; JPO;	ADJ	ON	ON	2015/02/17 07:18 PM

L101	11	L100 and encrypt\$3 near6 key	DERWENT; IBM_TDB) (US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2015/02/17 07:20 PM
L102	11	L100 and encrypt\$3 near key	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2015/02/17 07:20 PM
L103	13	L100 and encrypt\$3	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2015/02/17 07:24 PM
L104	20	L97 and encrypt\$3 near key	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2015/02/17 07:27 PM
L105	0	"14533104"	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2015/02/17 07:39 PM
L106	0	"14/533104"	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2015/02/17 07:39 PM
L107	20	"12333303"	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/02/17 08:21 PM
L108	20	"12/333303"	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/02/17 08:21 PM
L109	2	"20050273592"	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/02/17 08:54 PM
L110	10045	(GUI or user near interface) near6 (determin\$3 or select\$3 or choos\$3) near6 (server or provider or web)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2015/02/17 09:12 PM
L111	0	L97 and (GUI or user near interface) near6 (determin\$3 or select\$3 or choos\$3) near6 (server or provider or web)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2015/02/17 09:13 PM
L112	132	(GUI or user near interface) near6 (determin\$3 or select\$3 or choos\$3) near6 upload\$3 near6 (server or provider or web)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2015/02/17 09:13 PM
L113	2	L112 and (bluetooth or wi-fi or wifi or short near range) same (mobile near device)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2015/02/17 09:15 PM
L114	21	L112 and (mobile near device)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2015/02/17 09:15 PM
L115	13803647	"20020141405" US "20050235019"	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/02/18 11:38 AM

L116	2	"20020141405"	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/02/18 11:38 AM
L117	1	"20050235019"	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/02/18 11:39 AM
L118	0	"14576216"	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 11:20 AM
L119	2	"20020141405"	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 12:12 PM
L120	1	"20050235019"	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 12:12 PM
L121	9778	pair\$3 same bluetooth	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 12:20 PM
L122	1293	L121 and ((sens\$3 or register\$3) same mobile near device)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 12:23 PM
L123	137	L121 and ((sens\$3 or register\$3) same mobile near device with camera)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 12:23 PM
L124	88	L121 and ((sens\$3 or register\$3) near6 mobile near device with camera)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 12:24 PM
L125	53	L121 and ((sens\$3 or register\$3) near6 mobile near device near6 camera)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 12:24 PM
L126	43	((register\$3) near6 mobile near device near6 camera)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 12:26 PM
L127	23	L126 and bluetooth	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 12:26 PM
L128	265	L121 and ((register\$3) near6 mobile near device)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 12:34 PM
L129	7	L121 and ((register\$3) near6 mobile near device same bluetooth near device)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 12:34 PM
L130	4	L121 and ((request\$3 or enabl\$3 or register\$3) near6 mobile near device same event near notification)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 12:38 PM
L131	75	((request\$3 or enabl\$3 or register\$3) near6 mobile near device same event near notification)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 12:40 PM
L132	36	L131 and bluetooth	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 12:41 PM
L133	420	((request\$3 or enabl\$3	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11

		or register\$3 or prob\$3) same (mobile near device same bluetooth) same (event or notification))					12:54 PM
L134	7	((request\$3 or enabl\$3 or register\$3 or prob\$3) same (mobile near device same bluetooth) same (event near notification))	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 12:54 PM
L135	5889	((request\$3 or enabl\$3 or register\$3 or prob\$3) same (mobile near device same bluetooth))	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 12:55 PM
L136	3	((request\$3 or enabl\$3 or register\$3 or prob\$3) same (mobile near device same bluetooth near capture))	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 12:55 PM
L137	7	((request\$3 or enabl\$3 or register\$3 or prob\$3) same (mobile same bluetooth near capture))	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 12:55 PM
L138	7782	((request\$3 or enabl\$3 or register\$3 or prob\$3) same (event near notification))	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 12:57 PM
L139	2912	((request\$3 or enabl\$3 or register\$3 or prob\$3) near6 (event near notification))	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 12:57 PM
L140	17	L139 and pair\$3 same bluetooth	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 12:57 PM
L141	9778	pair\$3 same bluetooth	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 12:58 PM
L142	409	pair\$3 near6 (bluetooth or blue-tooth) near6 mobile near (device or terminal)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 12:59 PM
L143	420	(handshak\$3 or pair\$3) near6 (bluetooth or blue-tooth) near6 mobile near (device or terminal)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 01:00 PM
L144	63197	(handshak\$3 or pair\$3) near6 (bluetooth or blue-tooth) near6 mobile near (device or terminal) sam capure near device	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 01:01 PM
L145	0	(handshak\$3 or pair\$3) near6 (bluetooth or blue-tooth) near6	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 01:01 PM

L146	1	mobile near (device or terminal) same capure near device "20050113131"	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 01:15 PM
L147	242	L121 and HTTP near request	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 01:48 PM
L148	6	L121 and HTTP near request same (URL or web near (information or name)) same user near (information or ID or identifiere)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 01:50 PM
L149	547	HTTP near request same (URL or web near (information or name)) same user near (information or ID or identifiere)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 01:54 PM
L150	49	(publish\$3 or upload\$3) same HTTP near request same (URL or web near (information or name)) same user near (information or ID or identifiere)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 01:54 PM
L151	19	L150 and (bluetooth or blue-tooth)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 01:55 PM
L152	0	(publish\$3 or upload\$3) near (multimedia) same HTTP near request same (URL or web near (information or name)) same user near (information or ID or identifiere)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 01:56 PM
L153	0	(publish\$3 or upload\$3) near6 (multimedia) same HTTP near request same (URL or web near (information or name)) same user near (information or ID or identifiere)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 01:56 PM
L154	3	(publish\$3 or upload\$3) near6 (data) same HTTP near request same (URL or web near (information or name)) same user near (information or ID or identifiere)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 01:57 PM
L155	6	L121 and HTTP near request same (URL or web near (information	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 02:01 PM

L156	547	or name)) same user near (information or ID or identifiere) HTTP near request same (URL or web near (information or name)) same user near (information or ID or identifiere)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 02:01 PM
L157	95	L156 and (publish\$3 or upload\$3) near6 web	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 02:02 PM
L158	83	L156 and (upload\$3) near6 (file or data)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 02:12 PM
L159	38	L156 and (upload\$3) near6 (file or data) same web	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 02:12 PM
L160	58	HTTP near request near6 (URL or web near (information or name)) near6 user near (information or ID or identifiere)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 02:18 PM
L161	283	L156 and (offload\$3 or publish\$3 or upload\$3)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 02:25 PM
L162	29263	HTTP near request	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 03:22 PM
L163	615	L162 and request near6 (URL or web near (information or name)) same user near (information or ID or identifiere)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 03:22 PM
L164	201	L163 and (offload\$3 or upload\$3)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/04/11 03:22 PM
L165	0	push near notification same blouetooth	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/06/10 03:52 PM
L166	85	push near notification same bluetooth	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/06/10 03:52 PM
L167	69	push near notification same bluetooth same mobile	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/06/10 03:52 PM
L168	8	push near notification same bluetooth same mobile same web	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/06/10 03:52 PM
L169	69	push near notification same bluetooth same mobile	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/06/10 03:53 PM
L170	0	L169 and upload\$3 same web	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/06/10 03:54 PM
L171	8	L169 and load\$3 same web	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/06/10 03:54 PM
L172	243212	push near notification	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/06/10

		same bluetooth device same mobile near device					03:55 PM
L173	0	push near notification same bluetooth near device same mobile near device	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/06/10 03:55 PM
L174	0	push near3 notification same bluetooth near device same mobile	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/06/10 03:55 PM
L175	6	push near3 notification same bluetooth near3 device same mobile	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/06/10 03:56 PM
L176	74	push near3 notification same (short near range or bluetooth) same mobile	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/06/10 03:58 PM
L177	112	((event or push) near3 notification) same (short near range or bluetooth) same mobile	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/06/10 03:58 PM
L178	67	L177 and camera	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/06/10 03:59 PM
L179	14	L177 and camera same bluetooth	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/06/10 03:59 PM
L180	18	L177 and (establish\$3 or pair\$3) same (bluetooth or short near range)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/06/10 04:03 PM
L181	2	L177 and (Bluetooth near beacon)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/06/10 04:11 PM
L182	2	L177 and (Bluetooth near3 beacon)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/06/10 04:12 PM
L183	3	L177 and (Bluetooth same beacon)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/06/10 04:12 PM
L184	11	L177 and (beacon)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/06/10 04:14 PM
L185	11	L166 and (beacon)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/06/10 04:15 PM
L186	68	L166 and (notifier or beacon or command\$2)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/06/10 04:16 PM
L187	68	L186 and ((event or push) near3 notification)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/06/10 04:16 PM
L188	68	L186 and ((event or push) near3 notification)	(US-PGPUB; USPAT)	OR	ON	ON	2015/06/10 04:16 PM
L189	59	L166 and (notifier or beacon or command)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/06/10 04:16 PM
L190	59	L189 and ((event or push) near3 notification)	(US-PGPUB; USPAT)	OR	ON	ON	2015/06/10 04:16 PM
L191	59	L189 and ((event or push) near notification)	(US-PGPUB; USPAT)	OR	ON	ON	2015/06/10 04:17 PM

L192	7	L189 and (event near notification)	(US-PGPUB; USPAT)	OR	ON	ON	2015/06/10 04:17 PM
L193	34	L189 and (event near (alert\$3 or notification))	(US-PGPUB; USPAT)	OR	ON	ON	2015/06/10 04:18 PM
L194	4	L193 and (establish\$3 or pair\$3) same (bluetooth or short near range)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/06/10 04:18 PM
L195	0	push near notification near signal same bluetooth	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/06/10 04:19 PM
L196	8	push near notification near signal	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/06/10 04:19 PM
L197	10	push near (message or notification) near signal	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/06/10 04:23 PM
L198	3	L197 and bluetooth	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/06/10 04:23 PM
L199	162	(message or notification) near signal same bluetooth	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/06/10 04:24 PM
L200	12	L199 and ((event or push) near\$3 notification) same (short near range or bluetooth)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/06/10 04:25 PM
L201	3266398	pair\$3	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 12:39 PM
L202	15082	pair\$3 same (bluetooth bt short near range)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 12:40 PM
L203	60	L202 and pull near mode	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 12:40 PM
L204	18	L202 and pull near (notification signal request mode) same push near (mode request signal notification)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 12:41 PM
L205	83	L202 and pull near (notification signal request mode)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 12:45 PM
L206	60	L202 and pull near (mode)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 12:45 PM
L207	23	L205 and (@ad<"20061230" or @rlad<"20061230")	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 12:46 PM
L208	6897600	(@ad<"20061230" or @rlad<"20061230")	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 12:53 PM
L209	8789	L208 and pull near (notification signal request mode)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 12:53 PM
L210	0	L208 and pull near (notification signal request mode) same	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 12:54 PM

L211	26	(camera data adj capture) same (UE mobile adj (station terminal)) L208 and pull near (notification signal request mode) same (camera data adj capture)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 12:54 PM
L212	1	L211 and (bluetooth bt short near range)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 12:55 PM
L213	31	L208 and pull near (event command notification signal request mode) same (camera data adj capture)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 01:04 PM
L214	0	L208 and pull near (event command notification signal request mode) same (camera data adj capture) same (wireless near (device terminal))	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 01:04 PM
L215	0	L208 and pull near (event command notification signal request mode) same (camera data adj capture) same (wireless near (device terminal station))	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 01:04 PM
L216	3	L213 and (bluetooth bt short near range)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 01:05 PM
L217	0	L213 and (blue-toothbluetooth bt short near range)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 01:09 PM
L218	3	L213 and (blue-tooth bluetooth bt short near range)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 01:09 PM
L219	9513	L208 and pull near (event command notification signal request mode)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 01:09 PM
L220	0	L219 and (camera data adj capture) same (blue-tooth bluetooth bt short near range) same (mobile near (terminal device station) smartphone cell\$phone PDA)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 01:10 PM
L221	19	L219 and (camera data adj capture) same	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 01:11 PM

L222	19	(blue-tooth bluetooth bt short near range) L219 and (camera or (data adj capture)) same (blue-tooth bluetooth bt short near range)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 01:11 PM
L223	31	L208 and pull near (event command notification signal request mode) same (camera or (data adj capture))	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 01:16 PM
L224	16	L208 and pull near (event command notification signal request mode) with (camera or (data adj capture))	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 01:20 PM
L225	0	L208 and pull near (event command notification signal request mode) with (camera or (data adj capture)) with (blue-tooth bluetooth bt short near range)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 01:20 PM
L226	207	L208 and pull near (event command notification signal request mode) and (camera or (data adj capture)) and (blue-tooth bluetooth bt short near range)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 01:21 PM
L227	159	L208 and pull near (event command notification signal request mode) and (camera or (data adj capture)) and (blue-tooth bluetooth bt short near range) and (mobile near (terminal device station) smartphone cell\$phone PDA)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 01:21 PM
L228	139	L208 and pull near (event command notification signal request mode) and (camera or (data adj capture)) and (blue-tooth bluetooth bt short near range) and (mobile near (terminal device station) smartphone	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 01:21 PM

L229	646	cell\$phone PDA) and pair\$3 L208 and (event pull) near (command notification signal request mode) and (camera or (data adj capture)) and (blue-tooth bluetooth bt short near range) and (mobile near (terminal device station) smartphone cell\$phone PDA) and pair\$3	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 01:54 PM
L230	482	L208 and (event) near (command notification signal request) and (camera or (data adj capture)) and (blue-tooth bluetooth bt short near range) and (mobile near (terminal device station) smartphone cell\$phone PDA) and pair\$3	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 01:54 PM
L231	0	L208 and (event) near (command notification signal request) same (camera or (data adj capture)) same (blue-tooth bluetooth bt short near range) same (mobile near (terminal device station) smartphone cell\$phone PDA) and pair\$3	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 01:55 PM
L232	6	L208 and (event) near (command notification signal request) same (camera or (data adj capture)) same (mobile near (terminal device station) smartphone cell\$phone PDA) and pair\$3	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 01:55 PM
L233	18	L208 and (event) near (command notification signal request) same (camera or (data adj capture)) same (mobile near (terminal device station) smartphone cell\$phone PDA)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 01:57 PM
L234	11	L233 and (blue-tooth bluetooth bt short near range)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 01:58 PM

L235	9198	L208 and pull near (command notification signal request mode)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 02:03 PM
L236	698293	L208 and pull near (command notification signal request mode) same between near6 (camera or (data adj capture)) (mobile near (terminal device station) smartphone cell\$phone PDA)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 02:04 PM
L237	0	L208 and pull near (command notification signal request mode) same between near6 (camera or (data adj capture)) same (mobile near (terminal device station) smartphone cell\$phone PDA)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 02:04 PM
L238	0	L208 and pull near (command notification signal request mode) same between near6 (camera or (data adj capture)) same (bluetooth BT short adj range)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 02:05 PM
L239	0	L208 and pull near3 (command notification signal request mode) same between near6 (camera or (data adj capture)) same (bluetooth BT short adj range)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 02:05 PM
L240	0	L208 and pull near3 (command notification signal request mode) same (camera or (data adj capture)) same (bluetooth BT short adj range)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 02:05 PM
L241	0	L208 and pull near3 (command notification signal request mode) same (camera or (data adj capture)) same (bluetooth BT short adj range)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/07 02:05 PM
L242	43	L208 and (transfer pull) near3 (command notification signal request mode) same (camera or (data adj	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/07 02:06 PM

L243	4	capture)) same (bluetooth BT short adj range) "20120089538"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/07 04:51 PM
L244	2	"20060029296"	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/07 05:31 PM
L245	0	pull near3 (request mode) same host same slave	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2015/10/09 04:29 PM
L246	15	pull near3 (request mode) same host same slave	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/09 04:30 PM
L247	0	L246 and bluetooth	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/09 04:30 PM
L248	0	L246 and blue-tooth	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/09 04:30 PM
L249	0	L246 and short-range	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/09 04:30 PM
L250	168	pull near3 (request mode) same (master host) same (client slave peer)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/09 04:30 PM
L251	0	pull near3 (request mode) same (master host) same (client slave peer) same (bluetooth short-range blue-tooth BT)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/09 04:31 PM
L252	64	L250 and (bluetooth short-range blue-tooth BT)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/09 04:31 PM
L253	288262	(master host) same (client slave peer)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/09 04:34 PM
L254	1923	L253 and pull near3 (request mode)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/09 04:34 PM
L255	665	L254 and (bluetooth short-range blue-tooth BT)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/09 04:34 PM
L256	458	L255 and (capture near device or camera)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/09 04:35 PM
L257	889611	L256 and cellphone PDA mobile near station	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/09 04:35 PM
L258	308	L256 and (cellphone	(US-PGPUB; USPAT;	OR	ON	ON	2015/10/09

L259	161	PDA mobile near station) L258 and upload\$3	FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	04:36 PM 2015/10/09 04:36 PM
L260	135	L258 and upload\$3 same web	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/09 04:36 PM
L261	299	L258 and web	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/09 04:43 PM
L262	36	L256 and (cellphone PDA mobile near station) same pull near6 request\$3	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/09 04:44 PM
L263	2259707	(host cellphone PDA mobile near station) (trigger\$3 request\$3 pull) near6 transfer\$4 near request	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/09 04:45 PM
L264	5881	(host cellphone PDA mobile near station) near6 (trigger\$3 request\$3 pull) near6 transfer\$4 near request	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/09 04:45 PM
L265	363	(host cellphone PDA mobile near station) near6 (trigger\$3 request\$3 pull) near6 transfer\$4 near request same (slave client data adj capture camera)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/09 04:46 PM
L266	0	(host cellphone PDA mobile near station) near6 (trigger\$3 request\$3 pull) near6 transfer\$4 near request same (slave client data adj capture camera) same (bluetooth short- range blue-tooth BT)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/09 04:47 PM
L267	2	(master host cellphone PDA mobile near station) near6 (trigger\$3 request\$3 pull) near6 transfer\$4 near request same (slave client data adj capture camera) same (bluetooth short- range blue-tooth BT)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/09 04:47 PM
L268	49	L265 and (bluetooth short-range blue-tooth BT)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/09 04:48 PM
L269	1	"20050235019"	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/14

L270	1	"14576211"	(US-PGPUB; USPAT)	OR	OFF	OFF	02:44 PM 2015/10/14
L271	1232	upload\$3 near6 (file data multimedia image video) near6 http	(US-PGPUB; USPAT)	OR	OFF	OFF	02:46 PM 2015/10/14
L272	6	upload\$3 near6 (file data multimedia image video) near6 http same (user near3 account)	(US-PGPUB; USPAT)	OR	OFF	OFF	03:53 PM 2015/10/14
L273	7	upload\$3 near6 (file data multimedia image video) near6 http same (user near3 (preferece account login))	(US-PGPUB; USPAT)	OR	OFF	OFF	03:54 PM 2015/10/14
L274	1232	upload\$3 near6 (file data multimedia image video) near6 http	(US-PGPUB; USPAT)	OR	OFF	OFF	03:55 PM 2015/10/14
L275	434	upload\$3 near6 (file data multimedia image video) near6 http same (web remote adj server)	(US-PGPUB; USPAT)	OR	OFF	OFF	03:57 PM 2015/10/14
L276	0	wireles near mobile same upload\$3 near6 (file data multimedia image video) near6 http same (web remote adj server)	(US-PGPUB; USPAT)	OR	OFF	OFF	03:57 PM 2015/10/14
L277	0	wireless near mobile same upload\$3 near6 (file data multimedia image video) near6 http same (web remote adj server)	(US-PGPUB; USPAT)	OR	OFF	OFF	03:58 PM 2015/10/14
L278	19	(cellular wireless) same upload\$3 near6 (file data multimedia image video) near6 http same (web remote adj server)	(US-PGPUB; USPAT)	OR	OFF	OFF	03:58 PM 2015/10/14
L279	1	L278 and (user near3 (preferece account login))	(US-PGPUB; USPAT)	OR	OFF	OFF	03:58 PM 2015/10/14
L280	1	L278 and (user near3 (preference account login))	(US-PGPUB; USPAT)	OR	OFF	OFF	03:59 PM 2015/10/14
L281	1	L278 and (user near6 (preference account login))	(US-PGPUB; USPAT)	OR	OFF	OFF	04:11 PM 2015/10/14
L282	26	(cellular wireless) same upload\$3 near6 (file data multimedia image video) near10 http same (web remote adj server)	(US-PGPUB; USPAT)	OR	OFF	OFF	04:11 PM 2015/10/14
							04:19 PM 2015/10/14

L283	7	L282 and (user near6 (preference account login))	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/14 04:19 PM
L284	63	(cellular wireless) same (post\$3 upload\$3) near6 (file data multimedia image clip video) near10 http same (web remote adj server)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/14 04:23 PM
L285	18	L284 and (user near6 (preference account login))	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/14 04:23 PM
L286	33	L284 and (user near6 (password preference account login))	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/14 04:24 PM
L287	55	L284 and ((password preference account login))	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/14 04:35 PM
L288	19	L287 and synch\$6	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/14 04:35 PM
L289	11	L287 and bluetooth	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/14 04:39 PM
L290	125788	limited near process\$3	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/14 05:27 PM
L291	1209	wilress near mobile near device limited near process\$3 same (stp\$3 interrupt\$3 preempt\$3)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/14 05:27 PM
L292	1209	wireless near mobile near device limited near process\$3 same (stp\$3 interrupt\$3 preempt\$3)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/14 05:28 PM
L293	0	wireless near mobile near device near6 limited near process\$3 same (stp\$3 interrupt\$3 preempt\$3)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/14 05:28 PM
L294	0	wireless near mobile near device near6 limited near process\$3 same (stp\$3 interrupt\$3 preempt\$3)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/14 05:28 PM
L295	0	wireless near mobile near device near6 limited near process\$3 same (stop\$3 interrupt\$3 preempt\$3)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/14 05:28 PM
L296	2	wireless near3 device near6 limited near process\$3 same (stop\$3 interrupt\$3 preempt\$3)	(US-PGPUB; USPAT)	OR	ON	ON	2015/10/14 05:29 PM

L297	2	"20070096765"	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/22 10:27 AM
L298	0	2014/0313925	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/22 10:44 AM
L299	1	"20140313925"	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/22 10:44 AM
L300	1	"20060129631"	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/22 11:44 AM
L301	68	push near3 http same identifier	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2015/10/26 06:42 PM
L302	0	(push near3 http same (user unique) near identifier)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2015/10/26 06:42 PM
L303	0	(push near3 http same (user unique) near3 identifier)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2015/10/26 06:42 PM
L304	0	(push near3 http same (segment user unique) near3 identifier)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2015/10/26 06:43 PM
L305	0	(push same http same (segment user unique) near3 identifier)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2015/10/26 06:43 PM
L306	7	(push near3 http same (segment user unique) near3 identifier)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/26 06:43 PM
L307	49	L301 and ((segment user unique) near3 identifier)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/26 06:48 PM
L308	7	L307 and upload\$3	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/26 06:49 PM
L309	27	L307 and (publish\$3 upload\$3 broadcast\$3)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/26 06:50 PM
L310	31	L307 and (publish\$3 upload\$3 broadcast\$3)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/26 06:51 PM
L311	28	L307 and (publish\$3)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/26 06:51 PM
L312	25	L307 and (publish\$3) same (host server web)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/26 06:51 PM
L313	1294	push near3 http	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2015/10/26 07:04 PM
L314	350	L313 and ((segment user unique) near3 identifier)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/26 07:04 PM
L315	134	L314 and ((publish\$3 upload\$3 broadcast\$3))	(US-PGPUB; USPAT; FPRS; EPO; JPO;	OR	ON	ON	2015/10/26 07:05 PM

L316	18	same (host server web) L315 and synch\$6	DERWENT; IBM_TDB) (US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/26 07:06 PM
L317	1	L313 and (synch\$6 same (segment user unique) near3 identifier)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/26 07:15 PM
L318	0	L313 and (synch\$6 same (segment) near3 identifier)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/26 07:16 PM
L319	7	L313 and (synch\$6 same (segment))	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/26 07:16 PM
L320	579	L313 and (synch\$6 assembl\$3 reorganiz\$3 same (segment))	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/26 07:18 PM
L321	579	L313 and (synch\$6 assembl\$3 reorganiz\$3 same (segment)near6 (identifier ID))	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/26 07:19 PM
L322	8	L313 and (synch\$6 assembl\$3 reorganiz\$3 same (segment) near6 (identifier ID)) same upload\$3	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/26 07:19 PM
L323	8	L313 and (synch\$6 recreat\$3 assembl\$3 reorganiz\$3 same (segment) near6 (identifier ID)) same upload\$3	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/26 07:25 PM
L324	9114	(synch\$6 recreat\$3 assembl\$3 reorganiz\$3 same (segment) near6 (identifier ID)) same upload\$3	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/26 07:26 PM
L325	2175	push near6 http	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2015/10/26 07:26 PM
L326	36	L324 and push near6 http	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2015/10/26 07:26 PM
L327	35	L326 and ((publish\$3 upload\$3 broadcast\$3)) same (host server web)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/26 07:26 PM
L328	0	L324 and (post push) near6 http	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2015/10/26 07:40 PM
L329	188	L324 and (post push) near6 http	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/26 07:40 PM
L330	170	L329 and ((publish\$3 upload\$3 broadcast\$3))	(US-PGPUB; USPAT; FPRS; EPO; JPO;	OR	ON	ON	2015/10/26 07:41 PM

L331	176	same (host server web) L329 and ((publish\$3 upload\$3 broadcast\$3))	DERWENT; IBM_TDB) (US-PGPUB; USPAT; FPRS; EPO; JPO;	OR	ON	ON	2015/10/26 07:41 PM
L332	9114	same (host server web) (synch\$6 recreat\$3 assembl\$3 reorganiz\$3 same (fragment\$3 divid\$3 split\$3 segment) near6 (identifier ID)) same upload\$3	DERWENT; IBM_TDB) (US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/26 07:41 PM
L333	188	L332 and (post push) near6 http	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/26 07:42 PM
L334	1	"14369771"	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/29 11:02 AM
L335	2	"10931501"	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/29 11:03 AM
L336	2	"10931501"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/29 11:03 AM
L337	2	"20050209927"	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/10/29 01:19 PM
L338	1	"20060129631"	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/11/12 03:11 PM
L339	11	GUI same upload\$3 near6 progress same web	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/11/12 03:58 PM
L340	39	GUI same upload\$3 near6 progress	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/11/12 04:02 PM
L341	1	mobile same GUI same upload\$3 near6 progress	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/11/12 04:02 PM
L342	1	"20070099659"	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/11/12 07:12 PM
L343	1	"20070099659"	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/11/24 01:19 PM
L344	1	"14576202"	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/12/18 04:02 PM
L345	1	"20100185736"	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/12/18 04:35 PM
L346	2	"20040266404"	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/12/18 05:06 PM
L347	0	US20060408763	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/12/18 05:14 PM
L348	0	"20060408763"	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/12/18 05:14 PM
L349	0	"20060408763"	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/12/18 05:14 PM
L350	0	"2007249286"	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/12/18

L351	2	"20070249286"	(US-PGPUB; USPAT)	OR	OFF	OFF	05:17 PM 2015/12/18 05:17 PM
L352	2	"20050139680"	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/12/18 05:26 PM
L353	1	"20080171561"	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/12/18 05:37 PM
L354	1	"20040005915"	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/12/18 05:42 PM
L355	2	"20070171854"	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/12/18 06:34 PM
L356	1	"20090096573"	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/12/18 07:07 PM
L357	1	"14576202"	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/07/03 09:39 PM
L358	75	pair\$3 near6 (BT bluetooth) same camera same mobile near device	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/07/03 09:42 PM
L359	0	pair\$3 near6 (BT bluetooth) same camera same mobile near device same crypt\$6	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/07/03 09:43 PM
L360	0	pair\$3 near6 (BT bluetooth) same camera same mobile near device same crypt\$8	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/07/03 09:43 PM
L361	11	pair\$3 near6 (BT bluetooth) same camera same mobile near device and crypt\$8	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/07/03 09:43 PM
L362	0	pair\$3 near6 (BT bluetooth) same camera same crypt\$8	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/07/03 09:46 PM
L363	55	pair\$3 near6 (BT bluetooth) same camera and crypt\$8	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/07/03 09:47 PM
L364	14	pair\$3 near6 (BT bluetooth) same (capture near device camera) same (PDA phone mobile) and crypt\$8	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/07/03 09:49 PM
L365	26	"13740214"	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/07/03 10:10 PM
L366	26	"13/740214"	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/07/03 10:11 PM
L367	1	"8700790".pn.	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/07/03 10:11 PM
L368	0	(host cellphone PDA	(US-PGPUB; USPAT;	OR	ON	ON	2017/07/07

L369	402	mobile near station) near6 (trigger\$3 request\$3 pull) near6 transfer\$4 near request same (slave client data adj capture camera) same blu	FPRS; EPO; JPO; DERWENT; IBM_TDB)				10:21 AM
		(host cellphone PDA mobile near station) near6 (trigger\$3 request\$3 pull) near6 transfer\$4 near request same (slave client data adj capture camera)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/07/07 10:21 AM
L370	0	(host cellphone PDA mobile near station) near6 (trigger\$3 request\$3 pull) near6 transfer\$4 near request same (slave client data adj capture camera) same short adj range	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/07/07 10:21 AM
L372	1	"15659637"	(US-PGPUB; USPAT)	OR	OFF	OFF	2019/02/12 02:38 PM
L373	192003	event near5 (notification signal) same between mobile near10 camera	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/07/16 02:07 PM
L374	38495	event near5 (notification signal) same between mobile near10 camera same short near range	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/07/16 02:07 PM
L375	2	event near5 (notification signal) same between same mobile near10 camera same short near range	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/07/16 02:08 PM
L376	4	event near5 (notification signal) same between same mobile near10 camera and short near range	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/07/16 02:09 PM
L377	25	event near5 (notification signal) same between same mobile near10 camera	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/07/16 02:09 PM
L378	7	event near5 (notification signal) same between same mobile near10 digital near device	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/07/16 02:11 PM
L379	8909	event near5 (notification signal) and mobile near10 (camera digital near device)	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/07/16 02:13 PM
L380	8561	event near5 (notification	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/07/16

L381	576	signal) and mobile near10 (camera) event near5 (notification signal) and mobile near10 (camera) same (short near range BT bluetooth)	(US-PGPUB; USPAT)	OR	OFF	OFF	02:14 PM 2020/07/16 02:14 PM
L382	742	(trigger event) near5 (notification signal) and mobile near10 (camera) same (short near range BT bluetooth)	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/07/16 02:15 PM
L383	21	(trigger event) near5 (notification signal) same mobile near10 (camera) same (short near range BT bluetooth)	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/07/16 02:15 PM
L384	174	(trigger event) near5 (notification signal) same mobile near10 (camera) and (short near range BT bluetooth)	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/07/16 02:18 PM
L385	214	(trigger event) near5 (command notification signal) same mobile near10 (camera) and (short near range BT bluetooth)	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/07/16 02:20 PM
L386	2	(@ad<"20071230" or @rlad<"20071230") and (trigger event) near5 (command notification signal) same mobile near10 (camera) and (short near range BT bluetooth)	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/07/16 02:21 PM
L387	3	(@ad<"20071230" or @rlad<"20071230") and (trigger event) near5 (command notification signal) same (pull push) same (short near range BT bluetooth)	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/07/16 03:26 PM
L388	748	(@ad<"20071230" or @rlad<"20071230") and (trigger event command notification signal) same (pull push) same (short near range BT bluetooth)	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/07/16 03:27 PM
L389	161	(@ad<"20071230" or @rlad<"20071230") and (trigger event command	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/07/16 03:27 PM

L390	30	notification signal) same (pull push) same (short near range BT bluetooth) same mobile same capture (@ad<"20071230" or @rlad<"20071230") and (pair\$3) same (cryptographically) same (short near range BT bluetooth) same mobile same capture	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/07/16 03:59 PM
L391	46	(@ad<"20071230" or @rlad<"20071230") and (pair\$3) same (cryptographically) same (short near range BT bluetooth)	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/07/16 04:00 PM
L392	2	(@ad<"20071230" or @rlad<"20071230") and (pair\$3) same (cryptographically) same (short near range BT bluetooth) same camera	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/07/16 04:22 PM
L393	31	(@ad<"20071230" or @rlad<"20071230") and (pair\$3) same (cryptographically) same (short near range BT bluetooth) and camera	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/07/16 04:23 PM
L394	1	"16532507"	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/07/16 04:24 PM
L395	1	H06f17/00	(USPAT)	OR	OFF	OFF	2020/07/16 04:43 PM
L396	3624	h04w8/24.cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/07/16 04:44 PM
L397	30	L396 and (@ad<"20071230" or @rlad<"20071230") and (pair\$3) same (cryptographically) same (short near range BT bluetooth) and camera	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/07/16 04:44 PM
L398	1	"16532507"	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/10/21 10:33 AM
L399	1	"11901802"	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/10/21 11:08 AM
L400	1	"16540949"	(US-PGPUB; USPAT)	OR	OFF	OFF	2021/05/10 06:53 PM
L401	1	"17542373"	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/06 03:52 PM

L402	2	"20190045348"	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/11 12:37 PM
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PE2E SEARCH - Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
N77	14544	(singh or klein or laviano).in.	(USPAT)	ADJ	ON	ON	2012/12/12 10:44 AM
N78	14544	(singh or klein or laviano).in.	(USPAT)	OR	ON	ON	2012/12/12 10:44 AM
N79	20	(singh or klein or laviano).in. and (bluetooth or blue-tooth).clm.	(USPAT)	OR	ON	ON	2012/12/12 10:44 AM
N80	20	(singh or klein or laviano).in. and (bluetooth or blue-tooth same (segemet\$3 same identifier)).clm.	(USPAT)	OR	ON	ON	2012/12/12 10:44 AM
N81	20	(singh or klein or laviano).in. and ((bluetooth or blue-tooth)).clm.	(USPAT)	OR	ON	ON	2012/12/12 10:44 AM
N82	0	(singh or klein or laviano).in. and ((bluetooth or blue-tooth) same (segemet\$3)).clm.	(USPAT)	OR	ON	ON	2012/12/12 10:44 AM
N83	0	(singh or klein or laviano).in. and ((bluetooth or blue-tooth) same (size)).clm.	(USPAT)	OR	ON	ON	2012/12/12 10:44 AM
N84	1	(singh or klein or laviano).in. and ((bluetooth or blue-tooth) same (memory)).clm.	(USPAT)	OR	ON	ON	2012/12/12 10:45 AM
N85	0	(singh or klein or laviano).in. and ((bluetooth or blue-tooth) same (publish\$3)).clm.	(USPAT)	OR	ON	ON	2012/12/12 10:45 AM
N86	1	(singh or klein or laviano).in. and ((multimedia) same (publish\$3)).clm.	(USPAT)	OR	ON	ON	2012/12/12 10:45 AM
N87	1	(singh or klein or laviano).in. and ((multimedia) same (publish\$3)).clm.	(USPAT)	OR	ON	ON	2012/12/12 10:45 AM
N88	19	(singh or klein or laviano).in. and ((data) same (publish\$3)).clm.	(USPAT)	OR	ON	ON	2012/12/12 10:45 AM

N89	20	(singh or klein or laviano).in. and (bluetooth).clm.	(USPAT)	OR	ON	ON	2012/12/12 10:45 AM
N371	66	(singh or klein or laviano).in. and (bluetooth).clm.	(USPAT)	OR	ON	ON	2017/07/07 10:21 AM



UNITED STATES
PATENT AND TRADEMARK OFFICE

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www.uspto.gov

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
17/542,373

RECEIPT DATE / TIME
02/09/2023 06:07:22 AM ET

ATTORNEY DOCKET #
CellSpin_04Con18

Title of Invention

Automatic Multimedia Upload For Publishing Data And Multimedia Content

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 1760

FILED BY Ashok Tankha

PATENT CENTER # 61569354

FILING DATE 12/04/2021

CUSTOMER # 64188

FIRST NAMED INVENTOR Gurvinder Singh

CORRESPONDENCE ADDRESS -

AUTHORIZED BY -

Documents

TOTAL DOCUMENTS: 1

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
Cellspin_04Con18_Response _9_Feb_2023.pdf	10	Amendment Copy Claims/Response to Suggested Claims	109 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
Cellspin_04Con18_Response_9 _Feb_2023.pdf	ABFD0B868F33ECEF654FED414F464E5C3C5A59B1C801B0684 7DE7CCEFA422896369E917581359550C39194F060987948D3F C3E8AF8C876858FB8D7A1F09778F8

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re. application of:

Gurvinder Singh

Application No.: 17/542,373

Filed: 12/04/2021

Applicant: CellSpin Soft Inc.

Title: Automatic Multimedia Upload

For Publishing Data And Multimedia Content

Examiner: Nooristany, Sulaiman

Art Unit: 2415

Atty. Docket no.: CellSpin_04Con18

Mail Stop Amendment

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Amended Claim Set

Examiner Nooristany:

In response to the suggestion received from you via phone call on January 20, 2023, applicant accepts your suggestion and submits an amended claim set as advised during the phone call.

Amendment to the claims begin on page 2 of this response.

Remarks begin on page 9 of this response.

Amendments to the claims

This claim set replaces all previously filed claim sets.

Claim 1 (currently amended): A system, comprising:

a mobile software application for a Bluetooth enabled cellular phone, wherein the mobile software application is embodied as executable program instructions that, when executed by a processor of the Bluetooth enabled cellular phone, configured to:

detect and receive new-data acquired in a Bluetooth enabled data capture device, wherein the new-data is data acquired by the Bluetooth enabled data capture device after establishing a paired Bluetooth connection between the Bluetooth enabled data capture device and the Bluetooth enabled cellular phone, wherein establishing the Bluetooth paired connection comprises the Bluetooth enabled data capture device cryptographically authenticating an identity of the Bluetooth enabled cellular phone, wherein detecting and receiving new-data acquired in the Bluetooth enabled data capture device comprises:

said mobile software application for the Bluetooth enabled cellular phone configured to listen for an event notification, sent from the Bluetooth enabled data capture device, over the established paired Bluetooth connection, wherein the event notification corresponds to the acquired new-data and comprises sending a signal from the Bluetooth enabled data capture device to the Bluetooth enabled cellular phone; and

said mobile software application for the Bluetooth enabled cellular phone configured to receive, from the Bluetooth enabled data

capture device, the event notification and the acquired new-data over the established paired Bluetooth connection;

store the received new-data in a memory of the Bluetooth enabled cellular phone;

use Hypertext Transfer Protocol to transfer the received new-data along with a user authentication credential to a remote server over a cellular data network, wherein the mobile software application is further configured to use the Hypertext Transfer Protocol to send a user preference to the remote server over the cellular data network, and wherein the user preference comprises global positioning system information; and

display a mobile advertisement inside the mobile software application;

an online data publishing web service, the online data publishing web service comprising:

said remote server configured with a network internet connection to communicate with the mobile software application;

a user authentication software module, wherein the user authentication software module processes the user authentication credential received from the mobile software application;

a database, wherein the database stores a user profile; and

a mobile software application advertising software module, wherein the mobile software application advertising software module selects advertisements based on the user profile and sends the selected

advertisements to the mobile software application;

said online data publishing web service configured to receive the new-data and the user authentication credential from the Bluetooth enabled cellular phone via the Hypertext Transfer Protocol; and

said online data publishing web service configured to process the received user authentication credential and the new-data.

Claim 2 (original): The system of claim 1, wherein the user authentication credential is stored in the memory of the Bluetooth enabled cellular phone, and wherein the user authentication credential is used by the remote server to authenticate a user.

Claim 3 (original): The system of claim 1, wherein the remote server is further configured to store the new-data.

Claim 4 (cancelled).

Claim 5 (original): The system of claim 1, wherein the mobile software application provides a touch based GUI for the received new-data.

Claim 6 (original): The system of claim 1, wherein the mobile software application provides a touch based advertisement targeted to a user.

Claim 7 (original): The system of claim 1, wherein the mobile advertisement is based on the user profile.

Claim 8 (currently amended): A mobile software application for a Bluetooth enabled cellular phone, wherein the mobile software application is embodied as executable program instructions that, when executed by a processor of the Bluetooth enabled cellular phone, configured to:

detect and receive new-data acquired in a Bluetooth enabled data capture device, wherein the new-data is data acquired by the Bluetooth enabled data capture device after establishing a paired Bluetooth connection between the Bluetooth enabled data capture device and the Bluetooth enabled cellular phone, wherein establishing the Bluetooth paired connection comprises the Bluetooth enabled data capture device cryptographically authenticating an identity of the Bluetooth enabled cellular phone, wherein detecting and receiving new-data acquired in the Bluetooth enabled data capture device comprises:

said mobile software application for the Bluetooth enabled cellular phone configured to listen for an event notification, sent from the Bluetooth enabled data capture device, over the established paired Bluetooth connection, wherein the event notification corresponds to the acquired new-data and comprises sending a signal from the Bluetooth enabled data capture device to the Bluetooth enabled cellular phone; and

said mobile software application for the Bluetooth enabled cellular phone configured to receive, from the Bluetooth enabled data capture device, the event notification and the acquired new-data over the established paired Bluetooth connection;

store the received new-data in a memory of the Bluetooth enabled cellular phone;

use Hypertext Transfer Protocol to transfer the received new-data along with a user authentication credential to a remote server over a cellular data network, wherein the mobile software application is further configured to use the Hypertext Transfer Protocol to send a user preference to the remote server over the cellular data network, and wherein the user preference comprises global positioning system information; and

display a mobile advertisement inside the mobile software application.

Claim 9 (original): The mobile software application of claim 8, wherein the user authentication credential is stored in the memory of the Bluetooth enabled cellular phone, and wherein the user authentication credential is used by the remote server to authenticate a user.

Claim 10 (original): The mobile software application of claim 8, wherein the remote server is configured to store the new-data.

Claim 11 (cancelled).

Claim 12 (original): The mobile software application of claim 8, wherein the mobile software application provides a touch based GUI for the received new-data.

Claim 13 (original): The mobile software application of claim 8, wherein the mobile software application provides a touch based advertisement targeted to a user.

Claim 14 (currently amended): A mobile software application for a Bluetooth enabled cellular phone comprising executable program instructions that, when executed by the processor controls the processor to:

detect and receive new-data acquired in a Bluetooth enabled data capture device, wherein the new-data is data acquired by the Bluetooth enabled data capture device after establishing a paired Bluetooth connection between the Bluetooth enabled data capture device and the Bluetooth enabled cellular phone, wherein establishing the Bluetooth paired connection comprises the Bluetooth enabled data capture device cryptographically authenticating an identity of the Bluetooth enabled cellular phone, wherein detecting and receiving new-data acquired in the Bluetooth enabled data capture device comprises:

said mobile software application for the Bluetooth enabled cellular phone configured to poll the Bluetooth enabled data capture device for new-data, over the established paired Bluetooth connection, wherein polling comprises sending a request to the Bluetooth enabled data capture device to check if the acquired new-data is available for transfer; and

said mobile software application for the Bluetooth enabled cellular phone configured to receive, from the Bluetooth enabled data capture device, the acquired new-data over the established paired Bluetooth connection;

store the received new-data in a memory of the Bluetooth enabled cellular phone;

use Hypertext Transfer Protocol to transfer the received new-data along with a user authentication credential to a remote server over a cellular data network, wherein the mobile software application is further configured to use the Hypertext Transfer Protocol to send a user preference to the remote server over the cellular data network, and wherein the user preference comprises global positioning system information; and

display a mobile advertisement inside the mobile software application.

Claim 15 (original): The mobile software application of claim 14, wherein the user authentication credential is stored in the memory of the Bluetooth enabled cellular phone, and wherein the user authentication credential is used by the remote server to authenticate a user.

Claim 16 (original): The mobile software application of claim 14, wherein the remote server is configured to store the new-data.

Claim 17 (cancelled).

Claim 18 (original): The mobile software application of claim 14, wherein the mobile software application provides a touch based GUI for the received new-data.

Claim 19 (original): The mobile software application of claim 14, wherein the mobile software application provides a touch based advertisement targeted to a user.

Remarks

The pending claims

Claims 1-3, 5-10, 12-16 and 18-19 are currently pending. Reconsideration and allowance of the pending claims is respectfully requested.

Amendments to the claims

Claims 1, 8 and 14 are currently amended; claims 2-3, 5-7, 9-10, 12-13, 15-16 and 18-19 remain as originally presented; claims 4, 11 and 17 are cancelled; Applicant respectfully submits that the claim amendments do not add new subject matter.

In response to the suggestion received from the examiner via phone call on January 20, 2023, applicant accepts the suggestion and submits an amended claim set as advised during the phone call.

Conclusion

Applicant respectfully requests that a timely Notice of Allowance be issued in this case. In the interest of compact prosecution, if the prosecution of the application can be advanced, applicant requests Examiner Nooristany to call the undersigned with the proposed amendment.

Respectfully submitted,

Date: February 09, 2023

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Electronic Petition Request	TERMINAL DISCLAIMER TO OBIATE A PROVISIONAL DOUBLE PATENTING REJECTION OVER A PENDING "REFERENCE" APPLICATION		
Application Number	17542373		
Filing Date	04-Dec-2021		
First Named Inventor	Gurvinder Singh		
Attorney Docket Number	CellSpin_04Con18		
Title of Invention	Automatic Multimedia Upload For Publishing Data And Multimedia Content		
☒ Filing of terminal disclaimer does not obviate requirement for response under 37 CFR 1.111 to outstanding Office Action ☒ This electronic Terminal Disclaimer is not being used for a Joint Research Agreement.			
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Cellspinsoft Inc.		100%	
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12333303 filed on 12/11/2008 14576202 filed on 12/19/2014 14503401 filed on 10/01/2014 14273546 filed on 05/09/2014 13740214 filed on 01/13/2013 14172913 filed on 02/05/2014 16532507 filed on 08/06/2019 15659637 filed on 07/26/2017			

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Applicant claims the following fee status:

- ☒ Small Entity
- ☐ Micro Entity
- ☐ Regular Undiscounted

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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I certify, in accordance with 37 CFR 1.4(d)(4) that I am:

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- Registration Number 33802
- ☐ A sole inventor
- ☐ A joint inventor; I certify that I am authorized to sign this submission on behalf of all of the inventors as evidenced by the power of attorney in the application
- ☐ A joint inventor; all of whom are signing this request

Signature	/ash tankha/
Name	Ashok Tankha

Electronic Patent Application Fee Transmittal

Application Number:	17542373			
Filing Date:	04-Dec-2021			
Title of Invention:	Automatic Multimedia Upload For Publishing Data And Multimedia Content			
First Named Inventor/Applicant Name:	Gurvinder Singh			
Filer:	Ashok Tankha			
Attorney Docket Number:	CellSpin_04Con18			
Filed as Small Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
STATUTORY OR TERMINAL DISCLAIMER	2814	1	170	170
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
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Miscellaneous:				
Total in USD (\$)				170

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☒ APPROVED

This patent is subject to a terminal disclaimer

☐ DISAPPROVED

Approved/Disapproved by: Electronic Terminal Disclaimer automatically approved by EFS-Web

U.S. Patent and Trademark Office

Electronic Acknowledgement Receipt

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Application Number:	17542373
International Application Number:	
Confirmation Number:	1760
Title of Invention:	Automatic Multimedia Upload For Publishing Data And Multimedia Content
First Named Inventor/Applicant Name:	Gurvinder Singh
Customer Number:	64188
Filer:	Ashok Tankha
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Payment was successfully received in RAM	\$ 170
RAM confirmation Number	E202319832030633
Deposit Account	
Authorized User	

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			d04e1b7028f89f0696c13714289e91892bb0b380		

Warnings:

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2	Fee Worksheet (SB06)	fee-info.pdf	37869	no	2
			441bde36572a2315ad03807b000a035f69e702fa		

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ONLINE PUBLISHING OF MULTIMEDIA CONTENT

CROSS REFERENCE TO RELATED APPLICATION

5 This application claims the benefit of provisional patent application no. US 60/863090 titled "One Click Mobile Media Casting Without Dialing A Phone Number" filed on October 26, 2006 in the United States Patent and Trademark Office.

BACKGROUND

10

 This invention, in general, relates to distribution of multimedia content. More particularly, this invention relates to publishing user created multimedia content on one or more publication virtual spaces simultaneously with minimal input actions on a mobile device required of a user.

15

 A user may need to create multimedia files and publish the multimedia files on the internet in real time. The user typically uses a plurality of devices to create the multimedia contents and an additional device with internet capability to publish the multimedia content. Consider a situation where a user needs to create and publish
20 multimedia content comprising a plurality of images and voice content. The user may need to use a camera for capturing the images and a voice recorder for recording the voice content. Furthermore, the user may use a computer with internet capabilities to combine the separate media contents and publish the multimedia content online. It may be inconvenient for the user to operate a plurality of devices in order to create
25 and publish the multimedia content on a website on the wireless internet or intranet. There is an unmet need for a method and system to create and publish multimedia contents online using a single device and with minimal user input actions required of a user.

30

 Moreover, a user may need to publish multimedia content on a plurality of websites. The websites may be controlled by different administrative domains and these websites may have different web properties. Therefore, there is a need for a method and system that enables a user to publish a user created multimedia content on multiple internet or intranet websites.

SUMMARY OF THE INVENTION

The method and system disclosed herein addresses the above stated needs for publishing user created multimedia content using a mobile device on one or more publication virtual spaces simultaneously. The method and system disclosed herein targets advertisements on the mobile device and the publication virtual spaces using the published multimedia content.

The method and system disclosed herein provides a client application on the mobile device of the user. The client application enables the user to create multimedia content on the mobile device. The user may register on a website of a publishing service prior to using the client application. The user creates a user profile on the website of the publishing service. The method disclosed herein further provides a protocol for synchronizing user publishing information between the client application and the publishing service, wherein the user publishing information includes user preferences of the publication virtual spaces. The client application provides a graphical user interface for the user to record and transfer the multimedia content with minimal user input actions on the graphical user interface. Depending on the processing and memory capabilities of the mobile device, the client application may transfer the user created multimedia content to a back end service via a front end service of the publishing service, as a single multimedia file or as multiple data segments. The user created multimedia content may also be transferred to the publishing service as electronic mail attachments. In the case of a mobile device with limited memory and processing capabilities, the client application partitions the user created multimedia content stored on the mobile device into data segments. These data segments are tagged with segment identifiers using the client application. The tagged data segments are transferred from the client application of the mobile device to the publishing service via a network. The network may also be, but not limited to, one of a cellular network, wireless network, and the internet.

30

The publishing service comprises the front end service and the back end service. The tagged data segments are received by the front end service, and transferred to the back end service. The back end service reassembles the data segments in a predetermined sequence using the segment identifiers to create a

multimedia object. The multimedia object may, therefore, be obtained from the data segments, a single multimedia file, or from electronic mail attachments of the user created multimedia content. Targeted advertisements may be spliced with the multimedia object using the back end service. Also, targeted advertisements may be displayed to the user on the client application of the mobile device. Furthermore, the targeted advertisements may be selected using at least one of a user profile, time, day, and date metrics, advertisement campaigns, and preferences of viewers of the published multimedia content. The multimedia object is then transferred from the back end service to the front end service. The front end service then publishes this multimedia object on one or more publication virtual spaces according to user preferences.

The disclosed method and system also enables a user to publish user created multimedia content on internet or intranet with minimal user input actions on the mobile device. The disclosed method and system, therefore allows for instantaneous user demographic dependent advertising with the user created multimedia content. Furthermore, the disclosed method and system enables a user to publish multimedia content on a plurality of chosen websites. The method and system disclosed herein may not require dialing of a phone number for the publication of multimedia content, thereby providing a publishing service free of charge to the user by using advertising as a business monetization method.

Moreover, the method disclosed herein collects viewing information of the published multimedia content. The publishing service receives the viewing information each time the multimedia object spliced with targeted advertisements is viewed on the publication virtual spaces. The publishing service utilizes the viewing information to generate advertising statistics. The advertising statistics gives the advertisers the option to pay for each viewing of the advertisement instead of a fixed rate of payment.

Furthermore, the method and system disclosed herein enables users to create multimedia files and then publish the files on the internet in real time. The user created multimedia files may also be shared with others with minimal input actions required by the user handling the mobile device. The method and system disclosed

herein also enables video blogging, text blogging, picture blogging, and voice blogging in a publisher independent manner to one or multiple sites on the internet or intranet.

5 **BRIEF DESCRIPTION OF THE DRAWINGS**

The foregoing summary, as well as the following detailed description of the embodiments, is better understood when read in conjunction with the appended drawings. For the purpose of illustrating the invention, exemplary constructions of the invention are shown in the drawings. However, the invention is not limited to the
10 specific methods and instrumentalities disclosed herein.

FIGURE 1 illustrates a method of publishing user created multimedia content on one or more publication virtual spaces.

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FIGURE 2 illustrates a system for publishing user created multimedia content on one or more publication virtual spaces.

FIGURE 3 exemplarily illustrates the publishing of multimedia content on one or
20 more publication virtual spaces using the client application on the mobile device.

FIGURE 4 illustrates an exemplary flowchart of the process of publishing the user created multimedia content on one or more publication virtual spaces.

25 **FIGURE 5** illustrates an exemplary flowchart of the transfer of multimedia content to the publishing service in the form of electronic mail attachments.

DETAILED DESCRIPTION OF THE INVENTION

30 **FIGURE 1** illustrates a method of publishing user created multimedia content on one or more publication virtual spaces **205**. The method disclosed herein provides **101** a client application **202** on a mobile device of a user **201**. The user **201** may register on a website of a publishing service **204** prior to using the client application **202**. The user **201** may also register on the publication virtual spaces **205** by creating

a user profile at the publication virtual spaces **205**. The user **201** creates **102** multimedia content by using the client application **202**. The client application **202** provides a graphical user interface **202a** to the user **201** to record and transfer the user created multimedia content to the publishing service **204**. The user created multimedia
5 content may be an audio file, a video file, an image file, a text file, or any combination thereof.

The method disclosed herein further provides **103** the publishing service **204** comprising a front end service **204b** and a back end service **204c**. The client
10 application **202** interacts with the publishing service **204** to determine the preferred websites or publication virtual spaces **205** of the user **201** for publishing the user created multimedia content. The user **201** may select one or more publication virtual spaces **205** using the client application **202**, as a preferred destination for publishing the user created multimedia content. The client application **202** communicates the
15 user publishing information including the user preferences of the publication virtual spaces **205** to the front end service **204b**. In one embodiment, the publication virtual spaces **205** may be selected on the website of the publishing service **204**. The method disclosed herein provides a protocol for synchronizing **104** user publishing information between the client application **202** and the publishing service **204**. The
20 user publishing information includes user preferences of the publication virtual spaces **205**. The user created multimedia content is received by the front end service **204b** of the publishing service **204** from the client application **202** and then transferred **105** to the back end service **204c** of the publishing service **204**.

25 The user created multimedia content is transferred using the internet or intranet capabilities of the mobile device over a network. Exemplarily, the network is a wireless network. Depending on the hardware processing and memory capabilities of the mobile device, the client application **202** may transfer the user created multimedia content to the publishing service **204** as a single multimedia file or as
30 multiple data segments. The user created multimedia content may also be transferred as electronic mail attachments. The user created multimedia content may be reviewed prior to transferring the multimedia content to the publishing service **204**. Moreover, in remote locations where there is limited or absence of network connectivity, the

multimedia content may be prerecorded and stored on the mobile device, and later transferred to the publishing service **204** when the network connectivity is established.

5 The network **203** may be a wireless network, a cellular network, a telephony network, the internet or intranet. In one implementation of the invention, the client application **202** uses the telephony network to access the internet and transfers the user created multimedia content to the front end service **204b**. In another implementation of the invention, the front end service **204b** may be accessible via a toll free number. The user **201** calls the toll free number and records voice messages
10 at the front end service **204b**. These voice messages serve as the multimedia content that needs to be published.

 The back end service **204c** creates **106** a multimedia object from the transferred multimedia content. The back end service **204c** may splice the multimedia
15 object with targeted advertisements based on a user profile stored in the database **204a** of the publishing service **204**. Also, when the user **201** is using the client application **202** targeted advertisements may be displayed to the user **201** on the client application **202**. Targeted advertisements are selected from the database **204a** provided in the publishing service **204**. Targeted advertisements are selected using
20 information from at least one of a user profile, time, day, and date metrics, advertisement campaigns, preferences of viewers of the published multimedia content, and the type of publication virtual spaces **205**.

 If the multimedia object comprises video and audio content, the targeted
25 advertisements are spliced with the visual part of the user created multimedia content. In case of a slide show with only video content, the advertisements may be inserted at the beginning and the end of the video message. If the user created multimedia content comprises only an audio content, the targeted advertisements may be displayed as images or streaming video on the publication virtual spaces **205** while
30 the user created audio content is being played. The advertisements may be inserted in the beginning and the end of a multimedia message to maintain the flow and continuity of the message. In a voice-only message, a static visual component such as an image may be attached to the message. This visual component may also be included as a slide show if there are multiple advertisements to be displayed. Also,

advertisements may be displayed to the user **201** on the mobile device, while the user **201** is using the client application **202** for recording and publishing the multimedia content.

5 The multimedia object is then transferred **107** from the back end service **204c** to the front end service **204b**. The multimedia object is published **108** by the front end service **204b** according to the user preferences on one or more publication virtual spaces **205** via the network **203**. The user preferences may comprise authentication credentials, transaction identification, a list of publication virtual spaces **205**, global
10 positioning system geographical codes, area code for the phone number of the mobile device, file format of the user created multimedia content, and a compression rate of the multimedia content. The user **201** stores these preferences during registration with the publishing service **204**. The publishing service **204** may also collect viewing information each time the multimedia object is viewed on the publication virtual
15 spaces **205**. The viewing information is used to generate advertising statistics. The multimedia object may be published by a single input action of the user **201**. Depending on the interface provided by the mobile device, the single input action of the user **201** may be a click or touch of a button provided on the graphical user interface **202a** of the mobile device, a voice command, or a turn of a scroll wheel on
20 the mobile device.

 In one embodiment where the mobile device of the user **201** has limited memory and processing capabilities, the user created multimedia content may be streamed as data segments from the mobile device to the publishing service **204**. The
25 data segments are individually tagged with segment identifiers by the client application **202** and transferred **105** from the mobile device to the back end service **204c** of the publishing service **204** via the front end service **204b**. The data segments are transferred from the mobile device to the publishing service **204** via the network **203**. The segment identifiers comprise transaction identifiers, sequence numbers,
30 timestamps, etc. The back end service **204c** of the publishing service **204** reassembles the data segments in a predetermined sequence using the segment identifiers to create **106** the multimedia object. The multimedia object is an aggregation of the reassembled data segments. The back end service **204c** may then splice the multimedia object with targeted advertisements based on the user profile. The

multimedia object is then transferred **107** from the back end service **204c** to the front end service **204b** and published **108** by the front end service **204b** on one or more publication virtual spaces **205** according to user preferences.

5 **FIGURE 2** illustrates a system for publishing user created multimedia content on one or more publication virtual spaces **205**. The disclosed system comprises a client application **202** on the mobile device and a publishing service **204**. The client application **202** enables the user **201** of the mobile device to record and transfer the user created multimedia content to the publishing service **204**. The user **201** may
10 register on a website of the publishing service **204** prior to using the client application **202**. The user **201** may create an account comprising the user profile and login information of the publication virtual spaces **205** configured on the mobile device of the user **201**. The client application **202** comprises a graphical user interface **202a** (GUI), a segmentation module **202b**, an advertising module **202c**, a publication
15 virtual space list module **202d**, and a user authentication module **202e**.

When the user **201** starts the client application **202** on the mobile device, the user **201** may be authenticated by the user authentication module **202e**. The GUI **202a** presents a simple user interface to the user **201** to start the publishing process. On a
20 single click or touch of a record button provided on the GUI **202a**, the user **201** may start recording the multimedia content immediately. A media recorder available on the mobile device is used to record the multimedia content. The media recorder may be one of a video recorder, an audio recorder, etc. The user **201** may optionally choose the medium for recording the multimedia content. For example, the user **201** may
25 want to send a voice message, or a voice message accompanied by photographs. The client application **202** enables the user **201** to record video messages, audio messages, picture messages etc., by selecting the options provided by the GUI **202a**. If the recorded message has a video component, the main screen may also display the content being recorded. When the record button is pressed, the media recorder begins
30 recording the message.

The user **201** may also configure multiple publication locations of the publication virtual spaces **205** on the mobile device using the publication virtual space list module **202d**. The publication virtual space list module **202d** enlists the

publication virtual spaces preferred by the user **201** for publishing the user created multimedia content. The publication virtual spaces **205** may be third party social networking websites, blog sites, video blog sites, social book marking websites, shopping websites, merchandising websites, and a plurality of websites that publishes user created multimedia contents. In one embodiment of the invention, the publication virtual spaces **205** may be meta-destinations. The meta-destinations are logical groupings of destinations selected by a user **201**. The meta-destinations enable the user **201** to create logical groups of publishers and save the groups of publishers for future use. Moreover, the user **201** may set other users of any system as destinations also. Furthermore, the users may set arbitrary emails and phone numbers as a destination. When the destination is an electronic mail or a phone number, a link via electronic mail, short message service (SMS), or multimedia message service (MMS) is provided in order to view the multimedia content.

Before the recording begins, the user **201** may change the default publication location, and select the publication virtual spaces **205** for the user created multimedia content on the mobile device. The user **201** may also change the quality of the media before recording the message. For example, if compression is available, the user **201** may change the compression rate, and also change both the transfer speed and message quality. The client application **202** may have default settings, but the user **201** may also set preferences on the mobile device. The preferences set by the user **201** may be authentication credentials, transaction identification, list of publication virtual spaces **205**, global positioning system geographical codes, area code for the phone number of the mobile device, file format of the user created multimedia content, and compression rate for the user created multimedia content. These user preferences are transferred to the publishing service **204**.

The GUI **202a** of the client application **202** also provides additional buttons to control the playback of the recorded message. The user **201** may stop the recording, review the message and decide whether to record again. By a single click or touch of the post button provided by the GUI **202a**, the recorded message is sent for publication. If a user **201** does not wish to review the recorded message, the user **201** may directly publish the recorded message by clicking the post button. On clicking the post button, the content is published. The click or touch of the post button is the

single user input action required to publish the user created multimedia content on one or more publication virtual spaces **205** simultaneously.

5 The user **201** may also review the recording and rerecord the message. The user **201** may review the recording by clicking a view option provided in the menu of the GUI **202a**. In one embodiment of the invention the user **201** may publish prerecorded and stored multimedia messages. When there is limited or no connectivity existing between the mobile device and the publishing service **204**, the user **201** may record and store the multimedia messages on the mobile device. The
10 user **201** may select the prerecorded and stored messages and transmit these messages in bulk when the user **201** regains connectivity with the publishing service **204**. The prerecorded and stored messages may not be transmitted in real time to the publishing service **204**.

15 In one embodiment of the invention, a voice recognition option may also be provided by the client application **202**. When the user **201** starts the client application **202**, the recording begins on voice activation. When the user **201** begins to speak, the recording automatically begins. If there is a video message involved, the user **201** may have the video recorder ready once the recording process has begun by voice
20 activation. Once the user **201** stops speaking for a sufficiently long period of time, it is assumed that the user **201** has stopped recording, even if there is a video component being recorded. The client application **202** will recognize that the recording has stopped, and deletes the last recorded silent segment from the final message.

25 In another embodiment of the invention, the client application **202** has the option to start recording immediately as the client application **202** starts. The message is recorded until the user **201** presses the stop button to finish the recording process. When the stop button is pressed, the recording stops, and the recorded message is immediately published on one or more of the publication virtual spaces **205**
30 configured by the user **201**. In this embodiment of the invention, the user **201** may not be allowed to review the multimedia message before publishing the message. The user **201** may however be given the opportunity to change options of the client application **202** before the recording is activated by voice. For example, the user **201** may change the locations of the publication virtual spaces **205**, choose compression

rates, or add an option to review the recorded multimedia content before publishing the multimedia content. Optional advertisements may also be displayed to the user **201** on the mobile device after the user **201** has published the user created multimedia content by pressing the post button on the mobile device. The advertising module **202c** of the client application **202** displays advertisements targeted to the user **201** on the mobile device.

After the multimedia content is recorded by the media recorder, the client application **202** may transfer the user created multimedia content to the publishing service **204** as a single multimedia file or as multiple data segments. The client application **202** may also transfer the user created multimedia content as electronic mail attachments. In the case of limited memory and processing capabilities of the mobile device, the client application **202** partitions the user created multimedia content into data segments using the segmentation module **202b**. The segmentation module **202b** generates segment identifiers and tags the data segments with the segment identifiers. The segment identifiers may be one or more of transaction identifiers, sequence numbers, and timestamps. The segment identifiers are used later by the back end service **204c** of the publishing service **204** to reassemble the data segments in a predetermined sequence to create a multimedia object. The tagged data segments are then transferred from the client application **202** to the publishing service **204** via the network **203**. The network **203** may be a wireless network, a cellular network, or the internet.

The publishing service **204** comprises a database **204a**, the front end service **204b**, a back end service **204c**, and a user authentication module **204g**. The database **204a** of the publishing service **204** comprises user profiles, user preferences, advertisement profiles, advertisements, and user created multimedia content. The user created multimedia content in the form of a single multimedia file, data segments, or electronic mail attachments is received by the front end service **204b** of the publishing service **204**. The front end service **204b** transfers the user created multimedia content to the back end service **204c** of the publishing service **204**. The front end service **204b** provides an application interface for the client application **202** to access the functionalities provided by the back end service **204c**. Since the back end service **204c** has diverse functions, the front end service **204b** also acts as an aggregator of

the functionalities of the back end service **204c**. The front end service **204b** acts as a layer of abstraction that hides the implementation details of the publishing service **204**. This abstraction layer ensures that any modifications of either the client application **202** or the back end service **204c** are independent of each other.

5

The back end service **204c** of the publishing service **204** comprises a data reassembler **204d**, an advertisement selection tool **204e**, and an advertisement splicer **204f**. The back end service **204c** is provided with credentials for user authentication, the user profile, and the user created multimedia content. The user authentication
10 module **204g** authenticates the user **201** of the client application **202**. If the back end service **204c** receives the user created multimedia content in the form of data segments, the data reassembler **204d** reassembles the data segments in a predetermined sequence using the segment identifiers. The back end service **204c** creates a multimedia object from the user created multimedia content. The multimedia
15 object may therefore be a single multimedia file, an aggregation of the reassembled data segments, or a single multimedia file comprising the electronic mail attachments.

Based on user consent, targeted advertisements may also be spliced with the multimedia object. Targeted advertisements based on the user profile may be selected
20 from the database **204a** of the publishing service **204** by the advertisement selection tool **204e**. The advertisement selection tool **204e** of the back end service **204c** selects advertisements from the database **204a** based on the user profile **201**, time, day, and date metrics, advertisement campaigns, preferences of viewers of the published multimedia content, and the type of publication virtual spaces **205**. The selected
25 advertisements are then spliced with the multimedia object by the advertisement splicer **204f** of the back end service **204c**. The inclusion of advertisements is targeted according to the profile provided by the user **201** during registration with the publishing service **204**. In addition to the user profile, information collected from the user **201** based on the user's **201** patterns of usage of the publishing service **204** is
30 also taken into consideration for targeting advertisements.

The back end service **204c** then transfers the multimedia object to the front end service **204b**. The front end service **204b** associates the multimedia object with the user preferences and publishes the multimedia object on one or more publication

virtual spaces **205** via the network **203**. The multimedia object is transferred with the user authentication credentials to the publication virtual spaces **205**. The user **201** is authenticated before publishing the user created multimedia content on the chosen publication virtual spaces **205**. The publication virtual spaces **205** may be third party
5 social networking websites, blog sites, video blog sites, social book marking websites, shopping websites, merchandising websites, and a plurality of websites that publishes user created multimedia contents. Targeted advertisements, if included, will also be viewed on the publication virtual spaces **205**. The publishing service **204** collects viewing information each time the multimedia object is viewed on the publication
10 virtual spaces **205**. This viewing information is used to generate advertising statistics. The user created multimedia content may be published as one of a pod cast, a video cast, a photo cast, a text cast, a voice blog, a photo blog, a text blog, and a combination thereof.

15 Each of the publication virtual spaces **205** may require the user **201** to create an account prior to publishing user created multimedia content on that publication virtual space **205** by the user **201**. The user **201** first creates an account on a desired publication virtual space. The user **201** provides login information comprising a username and a password. The account is created for the user **201** by the publication
20 virtual space **205** and is confirmed. After the user **201** creates an account with the publication virtual space **205**, the user **201** registers on a website of the publishing service **204**. While registering on the website of the publishing service **204**, the user **201** provides the login information of the publication virtual space to the publishing service **204**. The login information enables the publishing service **204** to access the
25 multiple publication virtual spaces **205** configured by the user **201** on the mobile device. The user **201** may also provide additional publication virtual spaces **205** at a later time. A plurality of publication virtual spaces **205** may be indicated by the user **201** to the publishing service **204** or one default publication virtual space may be used for publishing the user created multimedia content. The publishing service **204** logs
30 on to the publication virtual space of choice on the user's **201** behalf and publishes the user created multimedia content. The publishing service **204** graphically adds a media player to the publication virtual space allowing viewers to access the multimedia object without having to install additional software.

New publication virtual spaces **205** may be added by the user **201** through the client application **202** or on the website of the publishing service **204**. The list of virtual publication spaces **205** displayed on the client application **202** is dynamically updated and synchronized with the latest list residing on the publishing service **204**. In
5 addition, the publishing service **204** interacts with different publication virtual spaces **205** to obtain user publishing information from the publication virtual spaces **205**. This user publishing information is displayed on the client application **202**, so that the user **201** can publish the multimedia content on the relevant pages of the publication virtual spaces **205**. The user publishing information of the publication virtual spaces
10 **205**, for example, may be, but not limited to, the information of albums in the user's flickr account, of Yahoo Inc., where the user **201** publishes pictures, or the information of an online auction of eBay®, where the user **201** wants to publish a multimedia content, etc. The user publishing information is obtained by the publishing service **204** via a dynamic protocol exchange between the publishing
15 service **204** and the multiple publication virtual spaces **205**. The resulting list with the information of the publication virtual spaces **205** is provided to the client application **201** for selection or display purposes.

FIGURE 3 exemplarily illustrates the publishing of multimedia content on
20 one or more publication virtual spaces **205** using the client application **202** on the mobile device. The 'enter screen' as illustrated on the graphical user interface (GUI) **202a** of the client application **202** provides options for the selection of the medium for the multimedia content to be created. The user **201** may create photos, text content, video content, audio content, or any combination thereof. The user **201** selects the
25 preferred publication websites or publication virtual spaces **205** using an 'add publishers' menu option provided on the 'enter screen'. The publication virtual spaces **205** are selected from a dynamic list of active publishers for a given user **201**. The list of active publishers may be configured by the user **201** on the website of the publishing service **204** or by using the 'add publishers' menu option in the client
30 application **202**.

After selection of the medium of the multimedia content, the user **201** starts recording the multimedia content. As illustrated in the 'image capture screen' of **FIGURE 3**, the user **201** exemplarily captures an image and saves the image. The

user **201** then selects the publication virtual spaces **205** configured on the client application **202** using the ‘photo publishing screen’ illustrated in **FIGURE 3**. The menu option provided on the ‘photo publishing screen’ enables the user **201** to edit the captured image or edit the posting of the captured image. For example, the user
5 **201** may view, clear, geo tag, or add comments to the captured image.

On click or touch of the ‘post button’ illustrated on the ‘photo publishing screen’, the user **201** publishes the captured image on one or more of the publication virtual spaces **205** configured on the mobile device. The user **201** publishes the
10 created multimedia content on the selected publication virtual spaces **205**, for example, shopping websites such as eBay®, or publishes audio content and video content on radio and television websites. The publishing of the user created multimedia content on the eBay® website is illustrated on the ‘eBay® selection screen’ of **FIGURE 3**. After publishing the user created multimedia content, the user **201**
15 may receive targeted advertisements. For example, the targeted advertisements may be displayed on the ‘advertisement’ screen of the mobile device.

FIGURE 4 illustrates an exemplary flowchart of the process of publishing the user created multimedia content on one or more publication virtual spaces **205**. The
20 user **201** creates multimedia content using the client application **202** provided on the user’s **201** mobile device. Prior to using the client application **202**, the user **201** registers on the publication virtual spaces **205** and the website of the publishing service **204**. The user created multimedia content may be one of text, audio, video, image, picture, and a combination thereof. The user **201** utilizes the media recorder
25 **202b** of the mobile device and begins to record **401** the multimedia content by clicking the record button of the graphical user interface **202a**. The time duration of the recording need not be specified by the user **201** prior to recording of the multimedia content. The multimedia content may be transferred to the publishing service **204** as a single multimedia file, data segments, or as electronic mail
30 attachments, depending on the memory and processing capabilities of the mobile device of the user **201**.

If the mobile device is not able to store **403** the user created multimedia content in a single multimedia file, the client application **202** partitions the recorded

media contents into data segments using the segmentation module **202b**. Segment identifiers such as transaction identifier, timestamp, sequence number, etc. are created **402** by the segmentation module **202b** and are tagged to each data segment. In case of an audio recording, the audio content is partitioned into audio data segments. In case
5 of a video recording, the video content and the associated audio content are partitioned into video and audio data segments, respectively. The segment identifiers are used for reassembling the data segments in a predetermined sequence to create a multimedia object by the back end service **204c**. Furthermore, in the case of a video recording, the segment identifiers are used to synchronize the video data segments
10 and the associated audio data segments during the reassembling of the data segments. The data segments are streamed in real time to the publishing service **204**, while the recording of the media content is in progress. The asynchronous real time streaming of the data segments ensures that the most of the recorded media content is available at the publishing service **204** even before the recording is completed, thereby reducing
15 the time taken for transferring the recorded media content from the mobile device to the publishing service **204**.

Consider an example, where the user **201** desires to publish a multimedia object comprising two or more media contents. These media contents may be a
20 combination of streaming and non-streaming type of media contents. For example, the first media content of the non-streaming type may be a collection of image files and second media content of the streaming type may be an audio file. The user **201** may desire to publish a slideshow created by these images with the accompanying audio content. The client application **202** transfers the first and the second media contents to
25 the publishing service **204**. The publishing service **204** intelligently creates a slideshow with accompanying audio from the still images and the audio file received from the client application **202**. The publishing service **204** converts the non
streaming type image content to streaming type video content by determining the display duration and the transition period of each image depending on the length of
30 the audio stream.

The client application **202** continually verifies for the completion of the recording of the media contents. In one embodiment of the invention, the completion of the recording of the media content may be signaled to the client application **202**

when the user **201** clicks the stop button or the post button on the graphical user interface **202a**. In another embodiment of the invention, when an audio or video content is being recorded, the client application **202** may recognize a sufficiently long period of time when there is no audio input. The client application **202** intelligently
5 understands that the recording is completed and the media content is ready for further publishing. After the completion of the recording of the media content, the user **201** may click the post button **301a** to publish the recorded media content. The client application **202** then signals the publishing service **204** that the streamed media content is ready to be published.

10

If the user **201** is not satisfied **405** with the created multimedia object, the user **201** may review or delete **406** the multimedia object and start recording again. Otherwise, the user **201** transfers the multimedia object for publishing to a publication space selected by the user **201**. Additional information such as the list of the user
15 preferences of the publication virtual spaces **205**, authentication identification, user preferences, default settings, manually entered geographical codes, and auction identifiers for eBay[®] and other shopping websites are selected **407** and transferred along with the user created multimedia content to the publishing service **204**. A remote method call **408** such as extensible markup language-remote procedure call
20 (XML-RPC) may be initiated by the client application **202** to transfer the user created multimedia content along with the additional information to the publishing service **204**. The transfer to the publishing service **204** takes place using wireless technology, for example, global system for mobile communications, code division multiple access technology, wireless fidelity, or worldwide interoperability for microwave access.

25

If the user created multimedia content is streamed **404** as data segments to the publishing service **204**, the back end service **204c** of the publishing service **204** aggregates **404** the data segments into a multimedia object to reproduce the originally recorded multimedia content. The data segments are reassembled in the back end
30 service **204c** of the publishing service **204** using the segment identifiers tagged to the data segments. As illustrated in **FIGURE 4**, the back end service **204c** aggregates the data segments into a multimedia object. The multimedia object may therefore be a single multimedia file of the user created multimedia content, the aggregation of the data segments, or a single multimedia file comprising the electronic mail attachments.

Based on user consent provided in the user profile stored in the database **204a** of the publishing service **204**, targeted advertisements may be spliced **409** with the multimedia object created by the back end service **204c**.

5 The multimedia object is transferred to the front end service **204b** of the publishing service **204** from the back end service **204c**. The front end service **204b** associates the multimedia object with the user preferences stored in the database **204a**, authenticates **410** the user **201** for a particular publication virtual space and then publishes **411** the multimedia object on the selected publication virtual spaces **205**
10 **205**. The user **201** is authenticated for particular publication virtual spaces **205** using the authentication details stored in the database **204a** of the publishing service **204**. Each time the multimedia file created by the user **201** is viewed, a message is sent back to the back end service **204c**. This enables the back end service **204c** to keep track of the number of viewers for a particular targeted advertisement if
15 advertisements were spliced with the multimedia object.

FIGURE 5 illustrates an exemplary flowchart of the transfer of multimedia content to the publishing service **204** in the form of electronic mail attachments. As illustrated in **FIGURE 5**, the user created multimedia content considered is one of a
20 picture, an audio, a video, and text file. The user **201** captures images **502a**, records audio **502b** or video content **502c**, and text **502d** on the mobile device **501** using the media recorder **202b** present in the mobile device **501**. The media recorder may be an image capturing tool such a camera for capturing images, or may be an audio or video recorder for recording the audio or video content respectively. The user **201** records
25 the media contents using client application **202**. After the recording is complete, the client transfers the recorded media content as electronic mail attachments **503** to the publishing service **204** using an electronic mail client available on the mobile device **501**. The publishing service **204** may identify the user **201** by the user's **201** electronic mail address that was provided by the user **201** to the publishing service
30 **204**.

In one embodiment illustrated in **FIGURE 5**, the user **201** may send multimedia content through more than one electronic mail attachment to the publishing service **204**. Based on the preferences of the user **201**, the publishing

service **204** may aggregate the contents of the multiple electronic mail attachments, and creates a multimedia object **504**. For example, the user **201** may use several images and an audio clip to publish a slideshow with accompanying audio. These images and the audio clip may be sent to the publishing service **204** as multiple
5 attachments in a single electronic mail message or as an attachment in multiple electronic mail messages. In case of the attachments sent over multiple electronic mail messages, the publishing service **204** may identify that the received contents are part of single multimedia content from the subject of the electronic mail messages. For example, the subject of the electronic mail message may contain 'Media content part
10 1 of n', where '1' is the index of the current file that is sent as an attachment, and 'n' is the total number of files that the combined multimedia content may comprise. Upon receiving the 'n' number of files, the publishing service **204** may aggregate these files, create the final slideshow with accompanying audio, and publish the slideshow one or more publication virtual spaces **205** as desired by the user **201**. Based on user
15 consent, targeted advertisements may be spliced with the created multimedia object **505**. The multimedia object is then published **506** on one or more of the publication virtual spaces **205** configured by the user **201**. The steps of aggregating the transmitted multimedia content **504**, splicing advertisements with the multimedia object, and publishing the multimedia object **506** on one or more publication virtual
20 spaces **205** simultaneously is described in the detailed description of **FIGURE 1**.

A user **201** may use the disclosed invention for publishing user created multimedia content using a mobile device in different scenarios. The user **201** may share the multimedia contents with others by publishing the multimedia contents on
25 one or more publication virtual spaces **205**. Consider an example of a user **201**, Jim, on a vacation who wants to share his experience with family members and friends. Jim may be on a vacation on a remote island where there is no internet connectivity. Jim uses his mobile phone to capture images and video during the vacation and stores it on his mobile device. He may also record a voice message describing his experience
30 and the locations where the images were captured. The voice message and the images are stored on his mobile device. On reaching another place where internet connectivity is available, Jim may use the publishing service **204** to publish an audio accompanied slide show of the captured images. The slideshow may be published on Jim's personal blog site. Jim's family members and his friends may be able to view

the slideshow on Jim's blog site and share his vacation experience, while Jim is continuing on with his vacation.

As another exemplary illustration, consider an investigative reporter,
5 Samantha, working for a prominent newspaper in New York City. Each day, she moves around the city chasing leads, interviewing people, and tracking down her next big story. Her tools of choice are a notepad, a tape recorder, a camera, and a laptop. It is difficult for her to juggle the notepad and the tape recorder at the same time. It is also difficult for her to use the camera to capture pictures of an eminent personality
10 amidst a huge crowd or who is boarding a vehicle. When she is working on a story with an associate writer, she needs to download the pictures and type her notes on the laptop and send it to the associate writer. Samantha learns about the publishing service **204** that allows her to publish pictures, videos, and audio from a mobile device to the internet with one click or touch of a button, and decides to give it a try.
15 Soon, Samantha moves around the city with a smart phone that has replaced the notepad, the tape recorder and the camera. When she needs to take notes or remember important dates and facts about a story, she records her notes as an audio stream on her smart phone. The audio content is published and immediately available on her private blog that may be accessed by the newspaper editor and her associates in the
20 news office. When she needs to review her notes, she logs into her blog site on her smart phone. She can see the video and the pictures that were captured and listen to the notes that she had recorded for herself. When she is collaborating with an associate on a story, they may see each other's progress in real time. Since sharing information with the associate over emails may be inconvenient, Samantha records
25 her progress on the story in the voice format and publishes. The associate may access the information from Samantha's blog site, thereby saving considerable time.

Consider another example of a user **201** of the invention, Alex, who is an avid war game miniature collector and history buff. He is active in attending the numerous
30 war gaming conventions and traveling to various historic locations to visualize the history he enjoys reading about. Alex has configured a couple of destination aliases for his account which allow him to send any media he generates to multiple blogs, or media repositories. His destination list includes the following aliases.

For war game miniatures: flickr (Miniature Album), blogger.com (WarGamer2000, a blog about development and maintenance of miniatures).

For history: picasa (History Album), blogger.com (HistoryNut, a blog about his thoughts and travels related to history).

5

Using this invention Alex is able to select a destination alias and transfer his photos or videos to multiple media sites with only a few selections from his mobile. In addition to the pre-defined list of destinations and aliases, Alex is able to include additional destinations such as email, and SMS to his post which are not added to his saved destination list. During one war gaming convention, Alex comes across a re-enactment of some historic civil war battle which he captures with his mobile handheld and posts via his miniatures alias. At the end of the day, he decides he would have really liked to send it to his history blog as well. Alex could have done this when initially creating the post, but did not think of it. So, he logs onto the web portion of the invention and logs into his account to find his most recent posts. From there he directs the application to also publish the post to his history blog and picasa History album.

Consider another example where the method and system of this invention is used in voice blogging. Radio and TV Talk Show programs commonly ask for voicemails and emails as a part of their material. With this invention, these viewers and listeners may now send messages to Radio or TV personality website directly. Users may send comments, pictures, even news coverage and send it directly to the programs or the host's website. Sometimes electronic mail may not be capable of communicating the full message. It may not convey the mood, the emotion, or the full personality of the sender.

Most people also usually listen to the radio in the car where the use of email is impractical. It is also very difficult to get through to a radio station by phone. A listener may now send their voice blog and thought to the website for everyone to see by just clicking on the voice capture media button on the graphical user interface 202a of the client application 202. With this invention, the radio staff may access these posts at any time and pick the ones they want to air and save it for later without ever needing to erase anything. They may also share more posts with their audience

without the usual time constraints, and a larger audience may get their message across.

Television talk shows often employ the same tactics as radio shows, more often using email. Electronic mail may be very limiting for a television program especially when visual media may be used. This promotes more interaction between the show and the audience, and members may feel more certain their post will be noticed. Television programs such as talk shows, news programs, even reality television shows may use the invention to invite their audience to give feedback and comments. News programs may also use this invention in a number of ways. Firstly, similar to radio and talk show programs, news programs may take comments from the audience and add to the discussion or promote greater dialogue in a forum-style context on its website among audience members. They may also take polls more easily as well as receive coverage from people at ground zero for news worthy events that would otherwise be missed.

Exemplarily, the disclosed invention may be implemented in technologies that are pervasive, flexible, and capable enough of accomplishing the desired tasks of the disclosed invention. The electronic mobile device may be a ubiquitous mobile phone. The use of personal digital assistants (PDAs) without telephony support is also fairly widespread. The client application **202** may be deployed on such devices with limited or no telephony support. These mobile devices may support Java of Sun Microsystems Inc., more specifically Java 2 Micro Edition (J2ME™), Windows Mobile .Net Compact Framework of Microsoft, Inc., Symbian™, Linux framework. . Exemplarily, the client application **202** may be implemented on the J2ME platform. These environments provide functionalities in the libraries to create the GUI **202a** and perform all the required functions of the method and system disclosed herein. Other advantages of these frameworks are portability across mobile devices that run on different operating systems. The client application **202** may be rendered independent of the operating system of the mobile device. One of the transport mechanisms to achieve the connectivity between the publishing service **204** and the client application **202** is the wireless internet. While most PDAs have an inbuilt wireless network card for the internet connectivity, the mobile phones may transfer data to the publishing service **204** over the telephony network at near broadband speeds. Some of the mobile

phones equipped with both wireless network and telephony data capabilities may use either of the two to communicate with the publishing service 204. The transport protocol that is used between the client application 202 and the publishing service 204 may be hypertext transfer protocol (HTTP) or extensible markup language-remote
5 procedure calls (XML-RPC). The back end 204c service may be developed in Java.

It will be readily apparent that the various methods and algorithms described herein may be implemented in a computer readable medium appropriately programmed for general purpose computers and computing devices. Typically a
10 processor, for e.g., one or more microprocessors will receive instructions from a memory or like device, and execute those instructions, thereby performing one or more processes defined by those instructions. Further, programs that implement such methods and algorithms may be stored and transmitted using a variety of media, for e.g., computer readable media in a number of manners. In one embodiment, hard-
15 wired circuitry or custom hardware may be used in place of, or in combination with, software instructions for implementation of the processes of various embodiments. Thus, embodiments are not limited to any specific combination of hardware and software. A "processor" means any one or more microprocessors, Central Processing Unit (CPU) devices, computing devices, microcontrollers, digital signal processors, or
20 like devices. The term "computer-readable medium" refers to any medium that participates in providing data, for example instructions that may be read by a computer, a processor or a like device. Such a medium may take many forms, including but not limited to, non-volatile media, volatile media, and transmission media. Non-volatile media include, for example, optical or magnetic disks and other
25 persistent memory volatile media include Dynamic Random Access Memory (DRAM), which typically constitutes the main memory. Transmission media include coaxial cables, copper wire and fiber optics, including the wires that comprise a system bus coupled to the processor. Transmission media may include or convey acoustic waves, light waves and electromagnetic emissions, such as those generated
30 during Radio Frequency (RF) and Infrared (IR) data communications. Common forms of computer-readable media include, for example, a floppy disk, a flexible disk, hard disk, magnetic tape, any other magnetic medium, a Compact Disc-Read Only Memory (CD-ROM), Digital Versatile Disc (DVD), any other optical medium, punch cards, paper tape, any other physical medium with patterns of holes, a Random

Access Memory (RAM), a Programmable Read Only Memory (PROM), an Erasable Programmable Read Only Memory (EPROM), an Electrically Erasable Programmable Read Only Memory (EEPROM), a flash memory, any other memory chip or cartridge, a carrier wave as described hereinafter, or any other medium from
5 which a computer can read. In general, the computer-readable programs may be implemented in any programming language. Some examples of languages that can be used include C, C++, C#, or JAVA. The software programs may be stored on or in one or more mediums as an object code. A computer program product comprising computer executable instructions embodied in a computer-readable medium
10 comprises computer parsable codes for the implementation of the processes of various embodiments.

Where databases are described, such as the database **204a** of the publishing service **204**, it will be understood by one of ordinary skill in the art that (i) alternative
15 database structures to those described may be readily employed, and (ii) other memory structures besides databases may be readily employed. Any illustrations or descriptions of any sample databases presented herein are illustrative arrangements for stored representations of information. Any number of other arrangements may be employed besides those suggested by, e.g., tables illustrated in drawings or elsewhere.
20 Similarly, any illustrated entries of the databases represent exemplary information only; one of ordinary skill in the art will understand that the number and content of the entries can be different from those described herein. Further, despite any depiction of the databases as tables, other formats including relational databases, object-based models and/or distributed databases could be used to store and manipulate the data
25 types described herein. Likewise, object methods or behaviors of a database can be used to implement various processes, such as the described herein. In addition, the databases may, in a known manner, be stored locally or remotely from a device that accesses data in such a database.

30 The present invention can be configured to work in a network environment including a computer that is in communication, via a communications network, with one or more devices. The computer may communicate with the devices directly or indirectly, via a wired or wireless medium such as the Internet, Local Area Network (LAN), Wide Area Network (WAN) or Ethernet, Token Ring, or via any appropriate

communications means or combination of communications means. Each of the devices may comprise computers, such as those based on the Intel® processors that are adapted to communicate with the computer. Any number and type of machines may be in communication with the computer.

5

The foregoing examples have been provided merely for the purpose of explanation and are in no way to be construed as limiting of the present method and system disclosed herein. While the invention has been described with reference to various embodiments, it is understood that the words, which have been used herein,
10 are words of description and illustration, rather than words of limitation. Further, although the invention has been described herein with reference to particular means, materials and embodiments, the invention is not intended to be limited to the particulars disclosed herein; rather, the invention extends to all functionally equivalent structures, methods and uses, such as are within the scope of the appended
15 claims. Those skilled in the art, having the benefit of the teachings of this specification, may effect numerous modifications thereto and changes may be made without departing from the scope and spirit of the invention in its aspects.



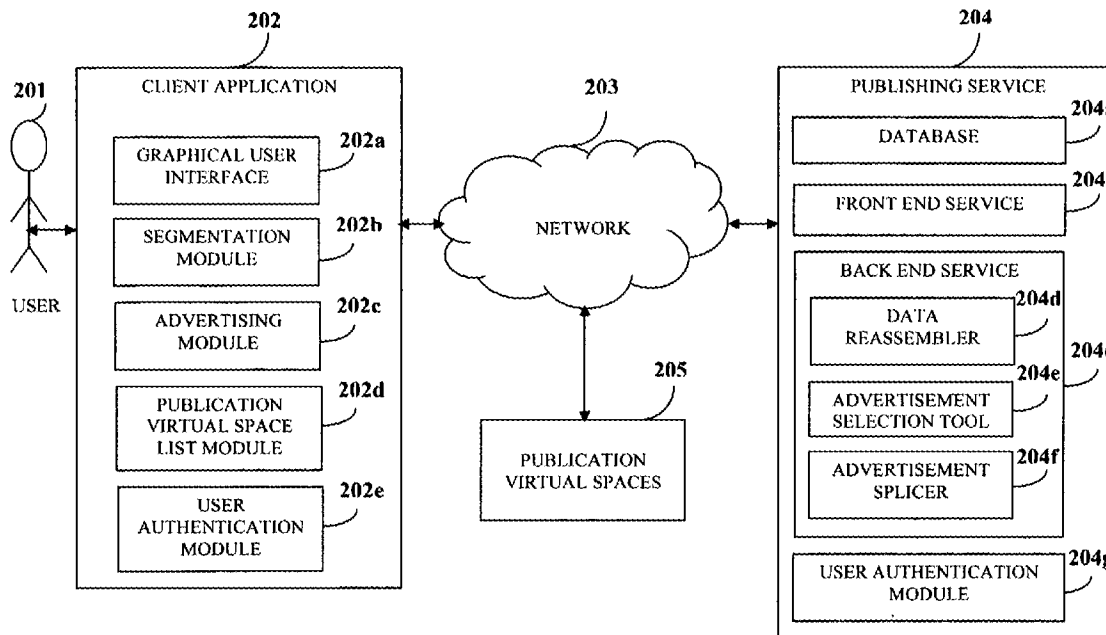
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(57) **ABSTRACT**

The method and system disclosed herein publishes user created multimedia content including voice, video, text, pictures, and a combination thereof on one or more publication virtual spaces, simultaneously. A client application, provided on a mobile device, creates and transfers the multimedia content to a publishing service. A protocol is provided for synchronizing user preferences of the publication virtual spaces between the client application and the publishing service. The multimedia content may be transferred as a single multimedia file, data segments, or electronic mail attachments to a back end service of the publishing service via a front end service. The back end service creates a multimedia object from the transferred multimedia content. The back end service splices targeted advertisements with the multimedia object. The multimedia object is transferred from the back end service to the front end service and then published on the publication virtual spaces chosen by the user.

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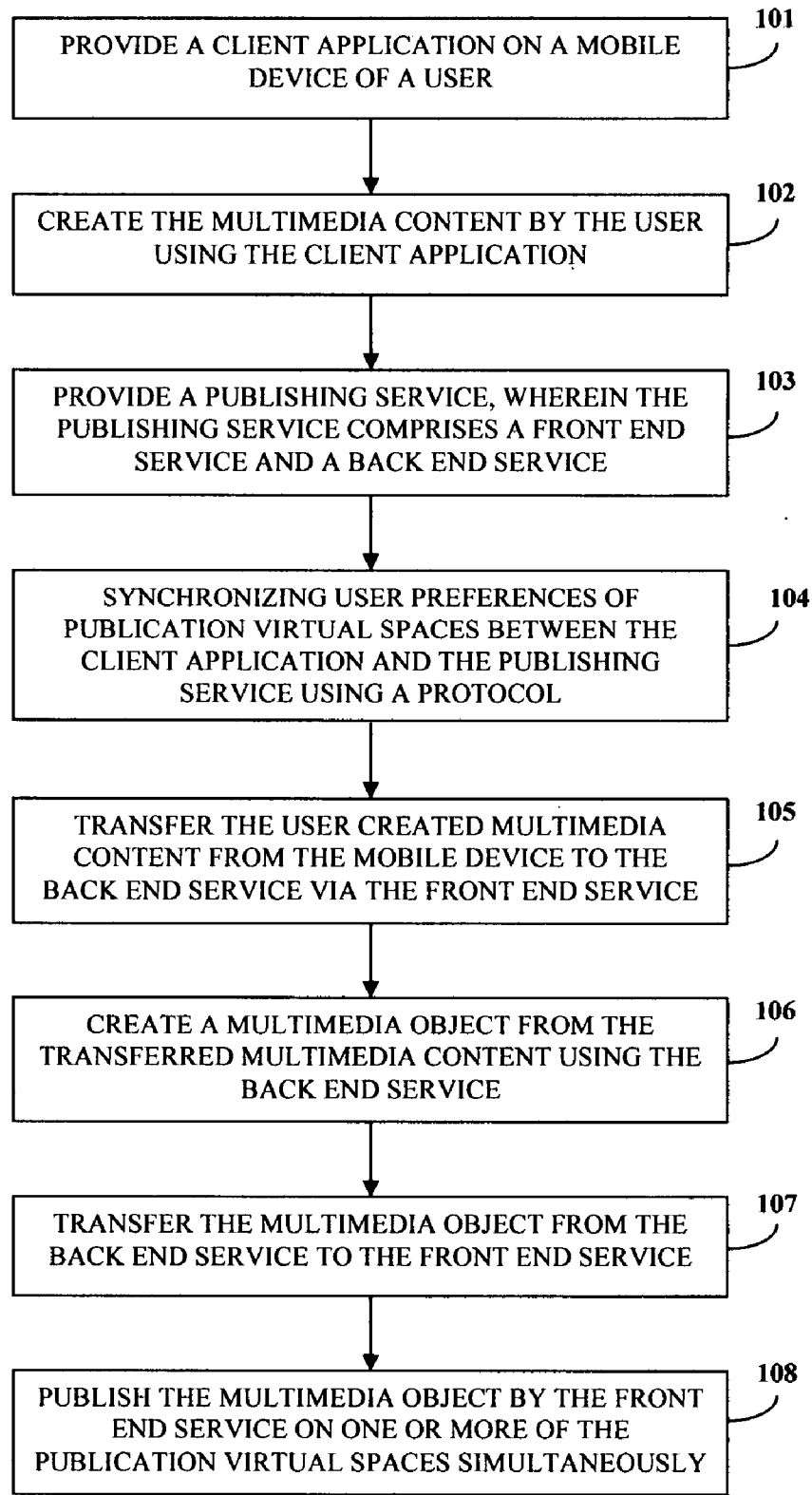


FIGURE 1

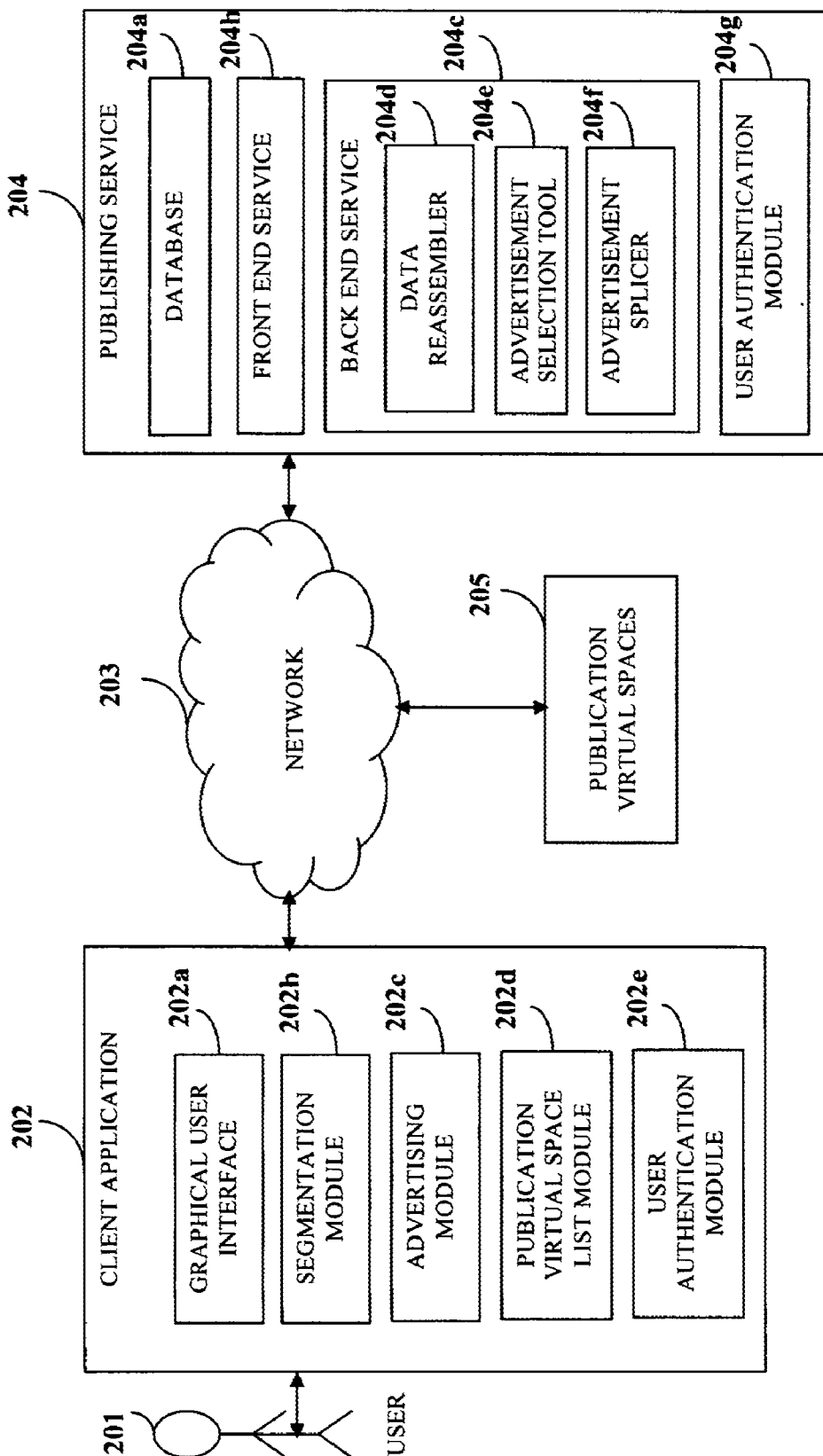
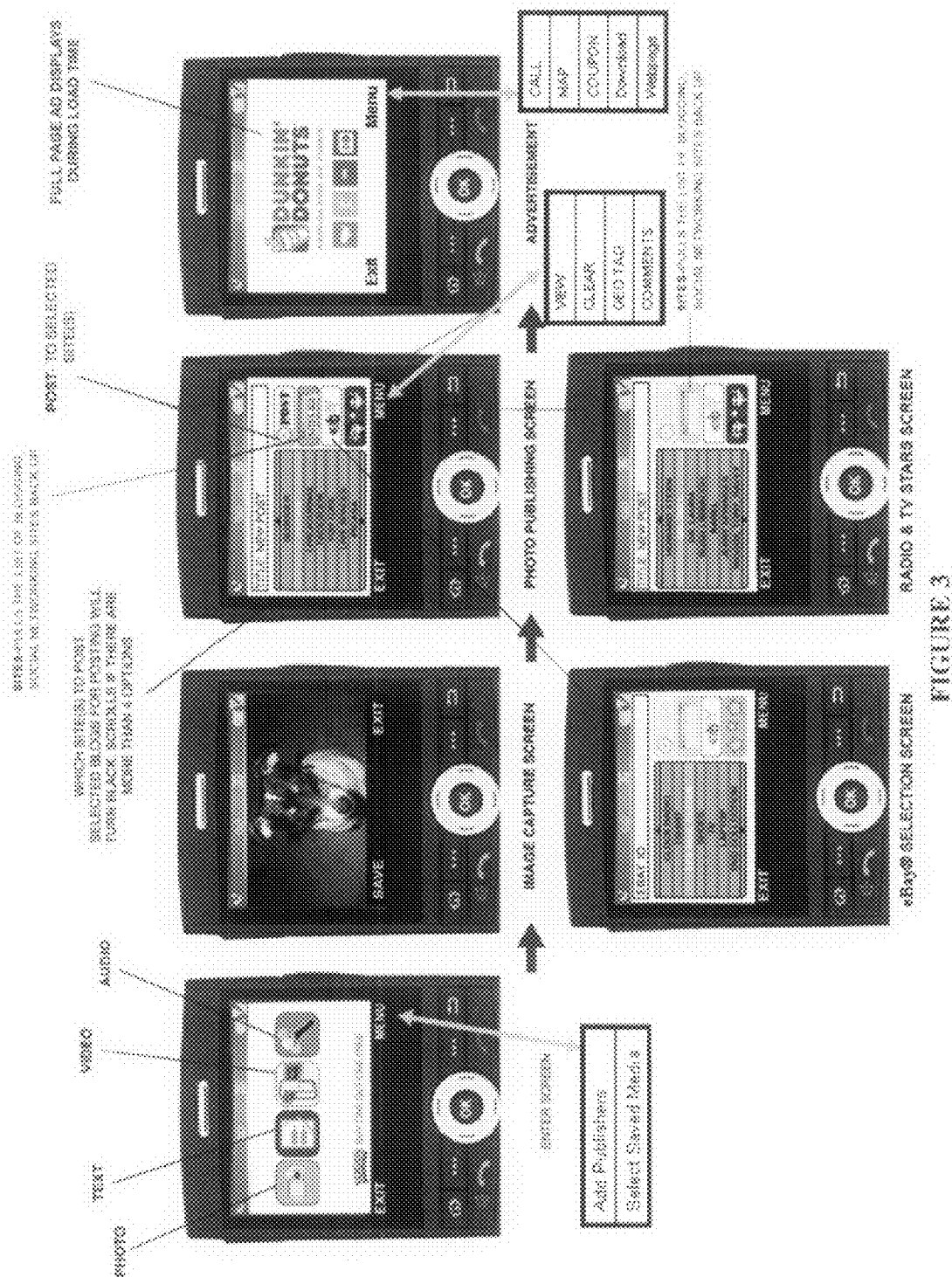


FIGURE 2



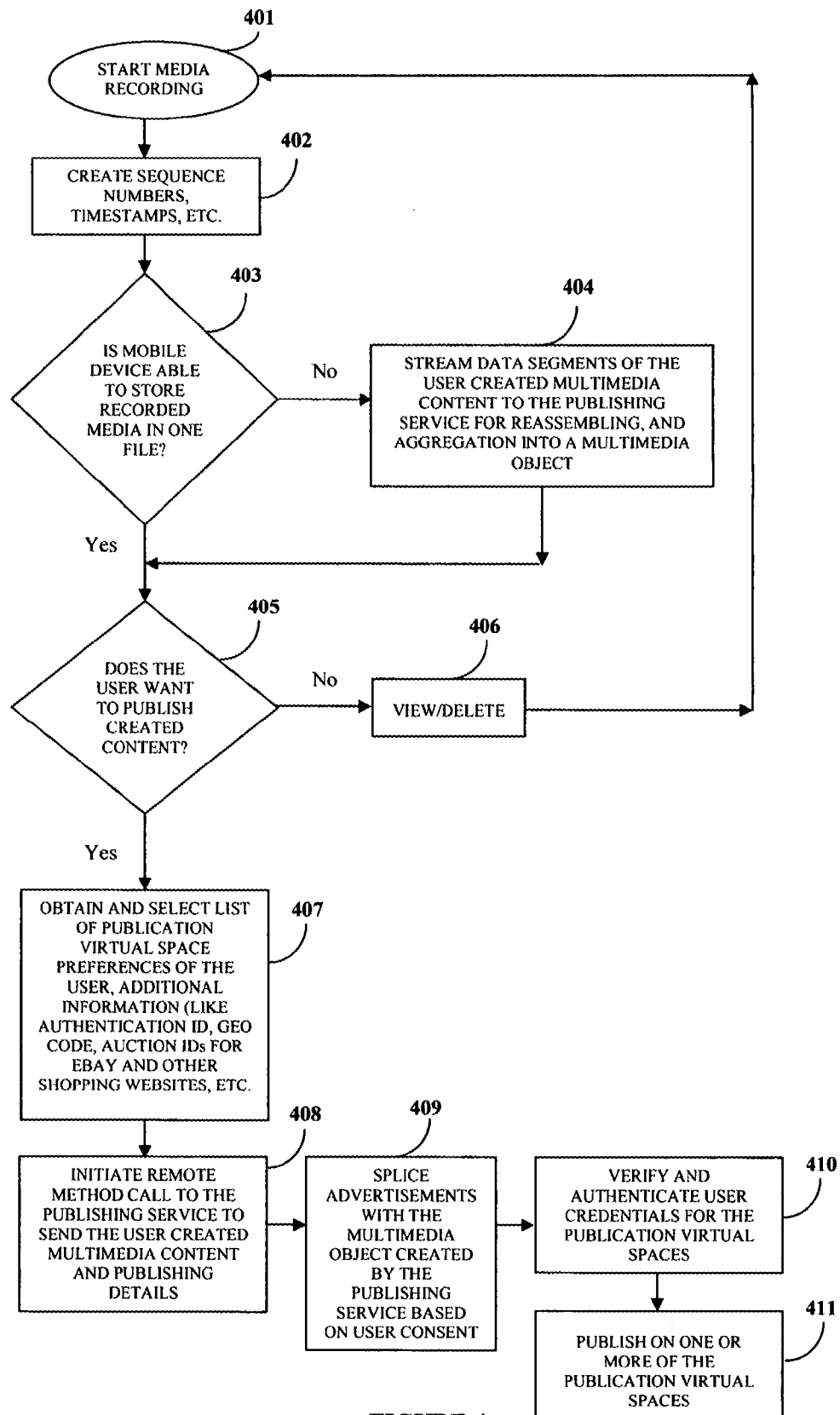


FIGURE 4

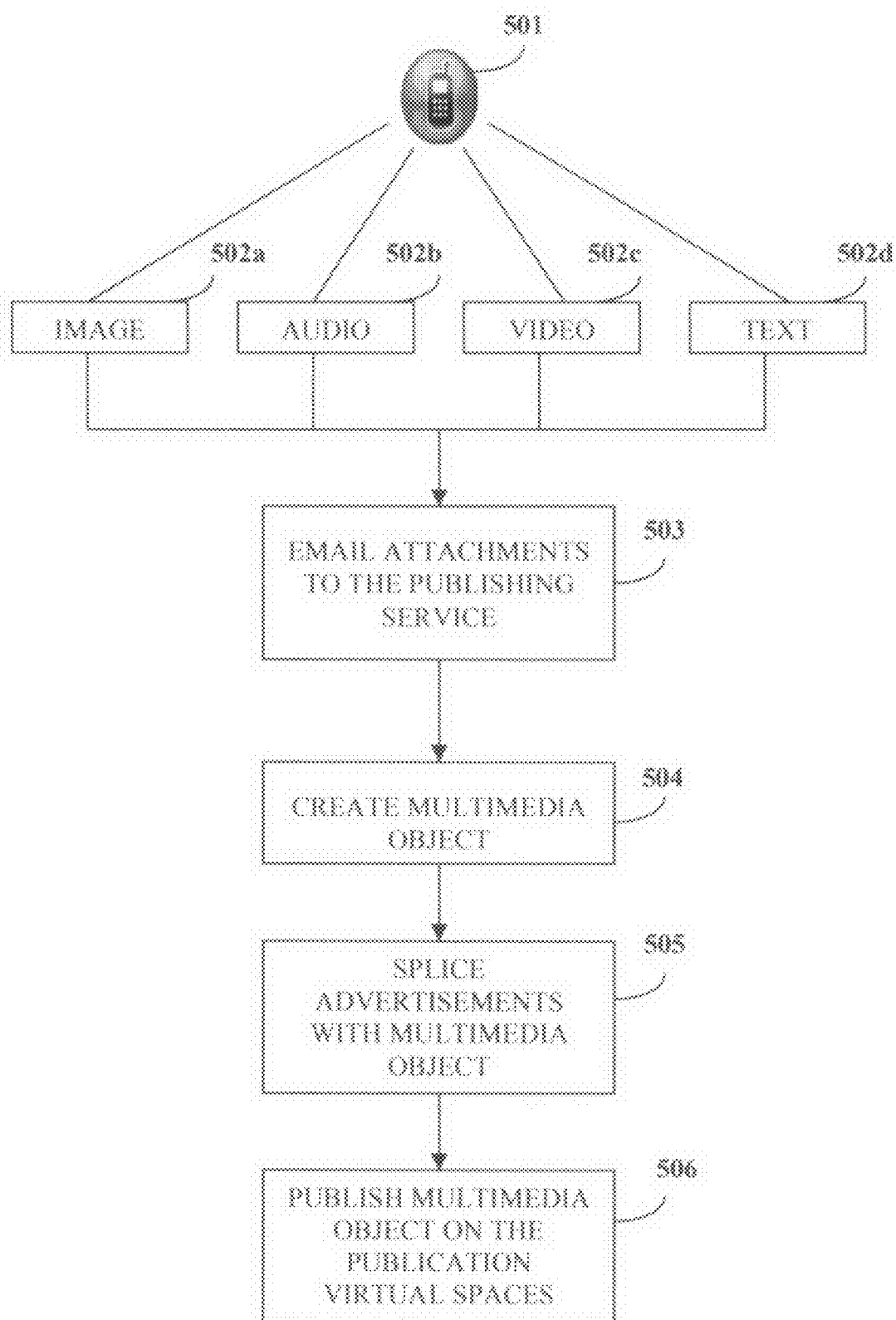


FIGURE 5

ONLINE PUBLISHING OF MULTIMEDIA CONTENT

CROSS REFERENCE TO RELATED APPLICATION

[0001] This application claims the benefit of provisional patent application no. U.S. 60/863,090 titled "One Click Mobile Media Casting Without Dialing A Phone Number" filed on Oct. 26, 2006 in the United States Patent and Trademark Office.

BACKGROUND

[0002] This invention, in general, relates to distribution of multimedia content. More particularly, this invention relates to publishing user created multimedia content on one or more publication virtual spaces simultaneously with minimal input actions on a mobile device required of a user.

[0003] A user may need to create multimedia files and publish the multimedia files on the internet in real time. The user typically uses a plurality of devices to create the multimedia contents and an additional device with internet capability to publish the multimedia content. Consider a situation where a user needs to create and publish multimedia content comprising a plurality of images and voice content. The user may need to use a camera for capturing the images and a voice recorder for recording the voice content. Furthermore, the user may use a computer with internet capabilities to combine the separate media contents and publish the multimedia content online. It may be inconvenient for the user to operate a plurality of devices in order to create and publish the multimedia content on a website on the wireless internet or intranet. There is an unmet need for a method and system to create and publish multimedia contents online using a single device and with minimal user input actions required of a user.

[0004] Moreover, a user may need to publish multimedia content on a plurality of websites. The websites may be controlled by different administrative domains and these websites may have different web properties. Therefore, there is a need for a method and system that enables a user to publish a user created multimedia content on multiple internet or intranet websites.

SUMMARY OF THE INVENTION

[0005] The method and system disclosed herein addresses the above stated needs for publishing user created multimedia content using a mobile device on one or more publication virtual spaces simultaneously. The method and system disclosed herein targets advertisements on the mobile device and the publication virtual spaces using the published multimedia content.

[0006] The method and system disclosed herein provides a client application on the mobile device of the user. The client application enables the user to create multimedia content on the mobile device. The user may register on a website of a publishing service prior to using the client application. The user creates a user profile on the website of the publishing service. The method disclosed herein further provides a protocol for synchronizing user publishing information between the client application and the publishing service, wherein the user publishing information includes user preferences of the publication virtual spaces. The client application provides a graphical user interface for the user to

record and transfer the multimedia content with minimal user input actions on the graphical user interface. Depending on the processing and memory capabilities of the mobile device, the client application may transfer the user created multimedia content to a back end service via a front end service of the publishing service, as a single multimedia file or as multiple data segments. The user created multimedia content may also be transferred to the publishing service as electronic mail attachments. In the case of a mobile device with limited memory and processing capabilities, the client application partitions the user created multimedia content stored on the mobile device into data segments. These data segments are tagged with segment identifiers using the client application. The tagged data segments are transferred from the client application of the mobile device to the publishing service via a network. The network may also be, but not limited to, one of a cellular network, wireless network, and the internet.

[0007] The publishing service comprises the front end service and the back end service. The tagged data segments are received by the front end service, and transferred to the back end service. The back end service reassembles the data segments in a predetermined sequence using the segment identifiers to create a multimedia object. The multimedia object may, therefore, be obtained from the data segments, a single multimedia file, or from electronic mail attachments of the user created multimedia content. Targeted advertisements may be spliced with the multimedia object using the back end service. Also, targeted advertisements may be displayed to the user on the client application of the mobile device. Furthermore, the targeted advertisements may be selected using at least one of a user profile, time, day, and date metrics, advertisement campaigns, and preferences of viewers of the published multimedia content. The multimedia object is then transferred from the back end service to the front end service. The front end service then publishes this multimedia object on one or more publication virtual spaces according to user preferences.

[0008] The disclosed method and system also enables a user to publish user created multimedia content on internet or intranet with minimal user input actions on the mobile device. The disclosed method and system, therefore allows for instantaneous user demographic dependent advertising with the user created multimedia content. Furthermore, the disclosed method and system enables a user to publish multimedia content on a plurality of chosen websites. The method and system disclosed herein may not require dialing of a phone number for the publication of multimedia content, thereby providing a publishing service free of charge to the user by using advertising as a business monetization method.

[0009] Moreover, the method disclosed herein collects viewing information of the published multimedia content. The publishing service receives the viewing information each time the multimedia object spliced with targeted advertisements is viewed on the publication virtual spaces. The publishing service utilizes the viewing information to generate advertising statistics. The advertising statistics gives the advertisers the option to pay for each viewing of the advertisement instead of a fixed rate of payment.

[0010] Furthermore, the method and system disclosed herein enables users to create multimedia files and then publish the files on the internet in real time. The user created multimedia files may also be shared with others with mini-

mal input actions required by the user handling the mobile device. The method and system disclosed herein also enables video blogging, text blogging, picture blogging, and voice blogging in a publisher independent manner to one or multiple sites on the internet or intranet.

BRIEF DESCRIPTION OF THE DRAWINGS

[0011] The foregoing summary, as well as the following detailed description of the embodiments, is better understood when read in conjunction with the appended drawings. For the purpose of illustrating the invention, exemplary constructions of the invention are shown in the drawings. However, the invention is not limited to the specific methods and instrumentalities disclosed herein.

[0012] FIG. 1 illustrates a method of publishing user created multimedia content on one or more publication virtual spaces.

[0013] FIG. 2 illustrates a system for publishing user created multimedia content on one or more publication virtual spaces.

[0014] FIG. 3 exemplarily illustrates the publishing of multimedia content on one or more publication virtual spaces using the client application on the mobile device.

[0015] FIG. 4 illustrates an exemplary flowchart of the process of publishing the user created multimedia content on one or more publication virtual spaces.

[0016] FIG. 5 illustrates an exemplary flowchart of the transfer of multimedia content to the publishing service in the form of electronic mail attachments.

DETAILED DESCRIPTION OF THE INVENTION

[0017] FIG. 1 illustrates a method of publishing user created multimedia content on one or more publication virtual spaces 205. The method disclosed herein provides 101 a client application 202 on a mobile device of a user 201. The user 201 may register on a website of a publishing service 204 prior to using the client application 202. The user 201 may also register on the publication virtual spaces 205 by creating a user profile at the publication virtual spaces 205. The user 201 creates 102 multimedia content by using the client application 202. The client application 202 provides a graphical user interface 202a to the user 201 to record and transfer the user created multimedia content to the publishing service 204. The user created multimedia content may be an audio file, a video file, an image file, a text file, or any combination thereof.

[0018] The method disclosed herein further provides 103 the publishing service 204 comprising a front end service 204b and a back end service 204c. The client application 202 interacts with the publishing service 204 to determine the preferred websites or publication virtual spaces 205 of the user 201 for publishing the user created multimedia content. The user 201 may select one or more publication virtual spaces 205 using the client application 202, as a preferred destination for publishing the user created multimedia content. The client application 202 communicates the user publishing information including the user preferences of the publication virtual spaces 205 to the front end service 204b. In one embodiment, the publication virtual spaces 205 may be selected on the website of the publishing service 204. The method disclosed herein provides a protocol for synchronizing 104 user publishing information between the client

application 202 and the publishing service 204. The user publishing information includes user preferences of the publication virtual spaces 205. The user created multimedia content is received by the front end service 204b of the publishing service 204 from the client application 202 and then transferred 105 to the back end service 204c of the publishing service 204.

[0019] The user created multimedia content is transferred using the internet or intranet capabilities of the mobile device over a network. Exemplarily, the network is a wireless network. Depending on the hardware processing and memory capabilities of the mobile device, the client application 202 may transfer the user created multimedia content to the publishing service 204 as a single multimedia file or as multiple data segments. The user created multimedia content may also be transferred as electronic mail attachments. The user created multimedia content may be reviewed prior to transferring the multimedia content to the publishing service 204. Moreover, in remote locations where there is limited or absence of network connectivity, the multimedia content may be prerecorded and stored on the mobile device, and later transferred to the publishing service 204 when the network connectivity is established.

[0020] The network 203 may be a wireless network, a cellular network, a telephony network, the internet or intranet. In one implementation of the invention, the client application 202 uses the telephony network to access the internet and transfers the user created multimedia content to the front end service 204b. In another implementation of the invention, the front end service 204b may be accessible via a toll free number. The user 201 calls the toll free number and records voice messages at the front end service 204b. These voice messages serve as the multimedia content that needs to be published.

[0021] The back end service 204c creates 106 a multimedia object from the transferred multimedia content. The back end service 204c may splice the multimedia object with targeted advertisements based on a user profile stored in the database 204a of the publishing service 204. Also, when the user 201 is using the client application 202 targeted advertisements may be displayed to the user 201 on the client application 202. Targeted advertisements are selected from the database 204a provided in the publishing service 204. Targeted advertisements are selected using information from at least one of a user profile, time, day, and date metrics, advertisement campaigns, preferences of viewers of the published multimedia content, and the type of publication virtual spaces 205.

[0022] If the multimedia object comprises video and audio content, the targeted advertisements are spliced with the visual part of the user created multimedia content. In case of a slide show with only video content, the advertisements may be inserted at the beginning and the end of the video message. If the user created multimedia content comprises only an audio content, the targeted advertisements may be displayed as images or streaming video on the publication virtual spaces 205 while the user created audio content is being played. The advertisements may be inserted in the beginning and the end of a multimedia message to maintain the flow and continuity of the message. In a voice-only message, a static visual component such as an image may be attached to the message. This visual component may also be included as a slide show if there are multiple advertisements to be displayed. Also, advertisements may be displayed to

the user **201** on the mobile device, while the user **201** is using the client application **202** for recording and publishing the multimedia content.

[0023] The multimedia object is then transferred **107** from the back end service **204c** to the front end service **204b**. The multimedia object is published **108** by the front end service **204b** according to the user preferences on one or more publication virtual spaces **205** via the network **203**. The user preferences may comprise authentication credentials, transaction identification, a list of publication virtual spaces **205**, global positioning system geographical codes, area code for the phone number of the mobile device, file format of the user created multimedia content, and a compression rate of the multimedia content. The user **201** stores these preferences during registration with the publishing service **204**. The publishing service **204** may also collect viewing information each time the multimedia object is viewed on the publication virtual spaces **205**. The viewing information is used to generate advertising statistics. The multimedia object may be published by a single input action of the user **201**. Depending on the interface provided by the mobile device, the single input action of the user **201** may be a click or touch of a button provided on the graphical user interface **202a** of the mobile device, a voice command, or a turn of a scroll wheel on the mobile device.

[0024] In one embodiment where the mobile device of the user **201** has limited memory and processing capabilities, the user created multimedia content may be streamed as data segments from the mobile device to the publishing service **204**. The data segments are individually tagged with segment identifiers by the client application **202** and transferred **105** from the mobile device to the back end service **204c** of the publishing service **204** via the front end service **204b**. The data segments are transferred from the mobile device to the publishing service **204** via the network **203**. The segment identifiers comprise transaction identifiers, sequence numbers, timestamps, etc. The back end service **204c** of the publishing service **204** reassembles the data segments in a predetermined sequence using the segment identifiers to create **106** the multimedia object. The multimedia object is an aggregation of the reassembled data segments. The back end service **204c** may then splice the multimedia object with targeted advertisements based on the user profile. The multimedia object is then transferred **107** from the back end service **204c** to the front end service **204b** and published **108** by the front end service **204b** on one or more publication virtual spaces **205** according to user preferences.

[0025] FIG. 2 illustrates a system for publishing user created multimedia content on one or more publication virtual spaces **205**. The disclosed system comprises a client application **202** on the mobile device and a publishing service **204**. The client application **202** enables the user **201** of the mobile device to record and transfer the user created multimedia content to the publishing service **204**. The user **201** may register on a website of the publishing service **204** prior to using the client application **202**. The user **201** may create an account comprising the user profile and login information of the publication virtual spaces **205** configured on the mobile device of the user **201**. The client application **202** comprises a graphical user interface **202a** (GUI), a segmentation module **202b**, an advertising module **202c**, a publication virtual space list module **202d**, and a user authentication module **202e**.

[0026] When the user **201** starts the client application **202** on the mobile device, the user **201** may be authenticated by the user authentication module **202e**. The GUI **202a** presents a simple user interface to the user **201** to start the publishing process. On a single click or touch of a record button provided on the GUI **202a**, the user **201** may start recording the multimedia content immediately. A media recorder available on the mobile device is used to record the multimedia content. The media recorder may be one of a video recorder, an audio recorder, etc. The user **201** may optionally choose the medium for recording the multimedia content. For example, the user **201** may want to send a voice message, or a voice message accompanied by photographs. The client application **202** enables the user **201** to record video messages, audio messages, picture messages etc., by selecting the options provided by the GUI **202a**. If the recorded message has a video component, the main screen may also display the content being recorded. When the record button is pressed, the media recorder begins recording the message.

[0027] The user **201** may also configure multiple publication locations of the publication virtual spaces **205** on the mobile device using the publication virtual space list module **202d**. The publication virtual space list module **202d** enlists the publication virtual spaces preferred by the user **201** for publishing the user created multimedia content. The publication virtual spaces **205** may be third party social networking websites, blog sites, video blog sites, social book marking websites, shopping websites, merchandising websites, and a plurality of websites that publishes user created multimedia contents. In one embodiment of the invention, the publication virtual spaces **205** may be meta-destinations. The meta-destinations are logical groupings of destinations selected by a user **201**. The meta-destinations enable the user **201** to create logical groups of publishers and save the groups of publishers for future use. Moreover, the user **201** may set other users of any system as destinations also. Furthermore, the users may set arbitrary emails and phone numbers as a destination. When the destination is an electronic mail or a phone number, a link via electronic mail, short message service (SMS), or multimedia message service (MMS) is provided in order to view the multimedia content.

[0028] Before the recording begins, the user **201** may change the default publication location, and select the publication virtual spaces **205** for the user created multimedia content on the mobile device. The user **201** may also change the quality of the media before recording the message. For example, if compression is available, the user **201** may change the compression rate, and also change both the transfer speed and message quality. The client application **202** may have default settings, but the user **201** may also set preferences on the mobile device. The preferences set by the user **201** may be authentication credentials, transaction identification, list of publication virtual spaces **205**, global positioning system geographical codes, area code for the phone number of the mobile device, file format of the user created multimedia content, and compression rate for the user created multimedia content. These user preferences are transferred to the publishing service **204**.

[0029] The GUI **202a** of the client application **202** also provides additional buttons to control the playback of the recorded message. The user **201** may stop the recording, review the message and decide whether to record again. By a single click or touch of the post button provided by the

GUI **202a**, the recorded message is sent for publication. If a user **201** does not wish to review the recorded message, the user **201** may directly publish the recorded message by clicking the post button. On clicking the post button, the content is published. The click or touch of the post button is the single user input action required to publish the user created multimedia content on one or more publication virtual spaces **205** simultaneously.

[0030] The user **201** may also review the recording and rerecord the message. The user **201** may review the recording by clicking a view option provided in the menu of the GUI **202a**. In one embodiment of the invention the user **201** may publish prerecorded and stored multimedia messages. When there is limited or no connectivity existing between the mobile device and the publishing service **204**, the user **201** may record and store the multimedia messages on the mobile device. The user **201** may select the prerecorded and stored messages and transmit these messages in bulk when the user **201** regains connectivity with the publishing service **204**. The prerecorded and stored messages may not be transmitted in real time to the publishing service **204**.

[0031] In one embodiment of the invention, a voice recognition option may also be provided by the client application **202**. When the user **201** starts the client application **202**, the recording begins on voice activation. When the user **201** begins to speak, the recording automatically begins. If there is a video message involved, the user **201** may have the video recorder ready once the recording process has begun by voice activation. Once the user **201** stops speaking for a sufficiently long period of time, it is assumed that the user **201** has stopped recording, even if there is a video component being recorded. The client application **202** will recognize that the recording has stopped, and deletes the last recorded silent segment from the final message.

[0032] In another embodiment of the invention, the client application **202** has the option to start recording immediately as the client application **202** starts. The message is recorded until the user **201** presses the stop button to finish the recording process. When the stop button is pressed, the recording stops, and the recorded message is immediately published on one or more of the publication virtual spaces **205** configured by the user **201**. In this embodiment of the invention, the user **201** may not be allowed to review the multimedia message before publishing the message. The user **201** may however be given the opportunity to change options of the client application **202** before the recording is activated by voice. For example, the user **201** may change the locations of the publication virtual spaces **205**, choose compression rates, or add an option to review the recorded multimedia content before publishing the multimedia content. Optional advertisements may also be displayed to the user **201** on the mobile device after the user **201** has published the user created multimedia content by pressing the post button on the mobile device. The advertising module **202c** of the client application **202** displays advertisements targeted to the user **201** on the mobile device.

[0033] After the multimedia content is recorded by the media recorder, the client application **202** may transfer the user created multimedia content to the publishing service **204** as a single multimedia file or as multiple data segments. The client application **202** may also transfer the user created multimedia content as electronic mail attachments. In the case of limited memory and processing capabilities of the mobile device, the client application **202** partitions the user

created multimedia content into data segments using the segmentation module **202b**. The segmentation module **202b** generates segment identifiers and tags the data segments with the segment identifiers. The segment identifiers may be one or more of transaction identifiers, sequence numbers, and timestamps. The segment identifiers are used later by the back end service **204c** of the publishing service **204** to reassemble the data segments in a predetermined sequence to create a multimedia object. The tagged data segments are then transferred from the client application **202** to the publishing service **204** via the network **203**. The network **203** may be a wireless network, a cellular network, or the internet.

[0034] The publishing service **204** comprises a database **204a**, the front end service **204b**, a back end service **204c**, and a user authentication module **204g**. The database **204a** of the publishing service **204** comprises user profiles, user preferences, advertisement profiles, advertisements, and user created multimedia content. The user created multimedia content in the form of a single multimedia file, data segments, or electronic mail attachments is received by the front end service **204b** of the publishing service **204**. The front end service **204b** transfers the user created multimedia content to the back end service **204c** of the publishing service **204**. The front end service **204b** provides an application interface for the client application **202** to access the functionalities provided by the back end service **204c**. Since the back end service **204c** has diverse functions, the front end service **204b** also acts as an aggregator of the functionalities of the back end service **204c**. The front end service **204b** acts as a layer of abstraction that hides the implementation details of the publishing service **204**. This abstraction layer ensures that any modifications of either the client application **202** or the back end service **204c** are independent of each other.

[0035] The back end service **204c** of the publishing service **204** comprises a data reassembler **204d**, an advertisement selection tool **204e**, and an advertisement splicer **204f**. The back end service **204c** is provided with credentials for user authentication, the user profile, and the user created multimedia content. The user authentication module **204g** authenticates the user **201** of the client application **202**. If the back end service **204c** receives the user created multimedia content in the form of data segments, the data reassembler **204d** reassembles the data segments in a predetermined sequence using the segment identifiers. The back end service **204c** creates a multimedia object from the user created multimedia content. The multimedia object may therefore be a single multimedia file, an aggregation of the reassembled data segments, or a single multimedia file comprising the electronic mail attachments.

[0036] Based on user consent, targeted advertisements may also be spliced with the multimedia object. Targeted advertisements based on the user profile may be selected from the database **204a** of the publishing service **204** by the advertisement selection tool **204e**. The advertisement selection tool **204e** of the back end service **204c** selects advertisements from the database **204a** based on the user profile **201**, time, day, and date metrics, advertisement campaigns, preferences of viewers of the published multimedia content, and the type of publication virtual spaces **205**. The selected advertisements are then spliced with the multimedia object by the advertisement splicer **204f** of the back end service **204c**. The inclusion of advertisements is targeted according

to the profile provided by the user **201** during registration with the publishing service **204**. In addition to the user profile, information collected from the user **201** based on the user's **201** patterns of usage of the publishing service **204** is also taken into consideration for targeting advertisements.

[0037] The back end service **204c** then transfers the multimedia object to the front end service **204b**. The front end service **204b** associates the multimedia object with the user preferences and publishes the multimedia object on one or more publication virtual spaces **205** via the network **203**. The multimedia object is transferred with the user authentication credentials to the publication virtual spaces **205**. The user **201** is authenticated before publishing the user created multimedia content on the chosen publication virtual spaces **205**. The publication virtual spaces **205** may be third party social networking websites, blog sites, video blog sites, social book marking websites, shopping websites, merchandising websites, and a plurality of websites that publishes user created multimedia contents. Targeted advertisements, if included, will also be viewed on the publication virtual spaces **205**. The publishing service **204** collects viewing information each time the multimedia object is viewed on the publication virtual spaces **205**. This viewing information is used to generate advertising statistics. The user created multimedia content may be published as one of a pod cast, a video cast, a photo cast, a text cast, a voice blog, a photo blog, a text blog, and a combination thereof.

[0038] Each of the publication virtual spaces **205** may require the user **201** to create an account prior to publishing user created multimedia content on that publication virtual space **205** by the user **201**. The user **201** first creates an account on a desired publication virtual space. The user **201** provides login information comprising a username and a password. The account is created for the user **201** by the publication virtual space **205** and is confirmed. After the user **201** creates an account with the publication virtual space **205**, the user **201** registers on a website of the publishing service **204**. While registering on the website of the publishing service **204**, the user **201** provides the login information of the publication virtual space to the publishing service **204**. The login information enables the publishing service **204** to access the multiple publication virtual spaces **205** configured by the user **201** on the mobile device. The user **201** may also provide additional publication virtual spaces **205** at a later time. A plurality of publication virtual spaces **205** may be indicated by the user **201** to the publishing service **204** or one default publication virtual space may be used for publishing the user created multimedia content. The publishing service **204** logs on to the publication virtual space of choice on the user's **201** behalf and publishes the user created multimedia content. The publishing service **204** graphically adds a media player to the publication virtual space allowing viewers to access the multimedia object without having to install additional software.

[0039] New publication virtual spaces **205** may be added by the user **201** through the client application **202** or on the website of the publishing service **204**. The list of virtual publication spaces **205** displayed on the client application **202** is dynamically updated and synchronized with the latest list residing on the publishing service **204**. In addition, the publishing service **204** interacts with different publication virtual spaces **205** to obtain user publishing information from the publication virtual spaces **205**. This user publishing

information is displayed on the client application **202**, so that the user **201** can publish the multimedia content on the relevant pages of the publication virtual spaces **205**. The user publishing information of the publication virtual spaces **205**, for example, may be, but not limited to, the information of albums in the user's flickr account, of Yahoo Inc., where the user **201** publishes pictures, or the information of an online auction of eBay®, where the user **201** wants to publish a multimedia content, etc. The user publishing information is obtained by the publishing service **204** via a dynamic protocol exchange between the publishing service **204** and the multiple publication virtual spaces **205**. The resulting list with the information of the publication virtual spaces **205** is provided to the client application **201** for selection or display purposes.

[0040] FIG. 3 exemplarily illustrates the publishing of multimedia content on one or more publication virtual spaces **205** using the client application **202** on the mobile device. The 'enter screen' as illustrated on the graphical user interface (GUI) **202a** of the client application **202** provides options for the selection of the medium for the multimedia content to be created. The user **201** may create photos, text content, video content, audio content, or any combination thereof. The user **201** selects the preferred publication websites or publication virtual spaces **205** using an 'add publishers' menu option provided on the 'enter screen'. The publication virtual spaces **205** are selected from a dynamic list of active publishers for a given user **201**. The list of active publishers may be configured by the user **201** on the website of the publishing service **204** or by using the 'add publishers' menu option in the client application **202**.

[0041] After selection of the medium of the multimedia content, the user **201** starts recording the multimedia content. As illustrated in the 'image capture screen' of FIG. 3, the user **201** exemplarily captures an image and saves the image. The user **201** then selects the publication virtual spaces **205** configured on the client application **202** using the 'photo publishing screen' illustrated in FIG. 3. The menu option provided on the 'photo publishing screen' enables the user **201** to edit the captured image or edit the posting of the captured image. For example, the user **201** may view, clear, geo tag, or add comments to the captured image.

[0042] On click or touch of the 'post button' illustrated on the 'photo publishing screen', the user **201** publishes the captured image on one or more of the publication virtual spaces **205** configured on the mobile device. The user **201** publishes the created multimedia content on the selected publication virtual spaces **205**, for example, shopping websites such as eBay®, or publishes audio content and video content on radio and television websites. The publishing of the user created multimedia content on the eBay® website is illustrated on the 'eBay® selection screen' of FIG. 3. After publishing the user created multimedia content, the user **201** may receive targeted advertisements. For example, the targeted advertisements may be displayed on the 'advertisement' screen of the mobile device.

[0043] FIG. 4 illustrates an exemplary flowchart of the process of publishing the user created multimedia content on one or more publication virtual spaces **205**. The user **201** creates multimedia content using the client application **202** provided on the user's **201** mobile device. Prior to using the client application **202**, the user **201** registers on the publication virtual spaces **205** and the website of the publishing service **204**. The user created multimedia content may be

one of text, audio, video, image, picture, and a combination thereof. The user **201** utilizes the media recorder **202b** of the mobile device and begins to record **401** the multimedia content by clicking the record button of the graphical user interface **202a**. The time duration of the recording need not be specified by the user **201** prior to recording of the multimedia content. The multimedia content may be transferred to the publishing service **204** as a single multimedia file, data segments, or as electronic mail attachments, depending on the memory and processing capabilities of the mobile device of the user **201**.

[0044] If the mobile device is not able to store **403** the user created multimedia content in a single multimedia file, the client application **202** partitions the recorded media contents into data segments using the segmentation module **202b**. Segment identifiers such as transaction identifier, timestamp, sequence number, etc. are created **402** by the segmentation module **202b** and are tagged to each data segment. In case of an audio recording, the audio content is partitioned into audio data segments. In case of a video recording, the video content and the associated audio content are partitioned into video and audio data segments, respectively. The segment identifiers are used for reassembling the data segments in a predetermined sequence to create a multimedia object by the back end service **204c**. Furthermore, in the case of a video recording, the segment identifiers are used to synchronize the video data segments and the associated audio data segments during the reassembling of the data segments. The data segments are streamed in real time to the publishing service **204**, while the recording of the media content is in progress. The asynchronous real time streaming of the data segments ensures that the most of the recorded media content is available at the publishing service **204** even before the recording is completed, thereby reducing the time taken for transferring the recorded media content from the mobile device to the publishing service **204**.

[0045] Consider an example, where the user **201** desires to publish a multimedia object comprising two or more media contents. These media contents may be a combination of streaming and non-streaming type of media contents. For example, the first media content of the non-streaming type may be a collection of image files and second media content of the streaming type may be an audio file. The user **201** may desire to publish a slideshow created by these images with the accompanying audio content. The client application **202** transfers the first and the second media contents to the publishing service **204**. The publishing service **204** intelligently creates a slideshow with accompanying audio from the still images and the audio file received from the client application **202**. The publishing service **204** converts the non streaming type image content to streaming type video content by determining the display duration and the transition period of each image depending on the length of the audio stream.

[0046] The client application **202** continually verifies for the completion of the recording of the media contents. In one embodiment of the invention, the completion of the recording of the media content may be signaled to the client application **202** when the user **201** clicks the stop button or the post button on the graphical user interface **202a**. In another embodiment of the invention, when an audio or video content is being recorded, the client application **202** may recognize a sufficiently long period of time when there is no audio input. The client application **202** intelligently

understands that the recording is completed and the media content is ready for further publishing. After the completion of the recording of the media content, the user **201** may click the post button **301a** to publish the recorded media content. The client application **202** then signals the publishing service **204** that the streamed media content is ready to be published.

[0047] If the user **201** is not satisfied **405** with the created multimedia object, the user **201** may review or delete **406** the multimedia object and start recording again. Otherwise, the user **201** transfers the multimedia object for publishing to a publication space selected by the user **201**. Additional information such as the list of the user preferences of the publication virtual spaces **205**, authentication identification, user preferences, default settings, manually entered geographical codes, and auction identifiers for eBay® and other shopping websites are selected **407** and transferred along with the user created multimedia content to the publishing service **204**. A remote method call **408** such as extensible markup language-remote procedure call (XML-RPC) may be initiated by the client application **202** to transfer the user created multimedia content along with the additional information to the publishing service **204**. The transfer to the publishing service **204** takes place using wireless technology, for example, global system for mobile communications, code division multiple access technology, wireless fidelity, or worldwide interoperability for microwave access.

[0048] If the user created multimedia content is streamed **404** as data segments to the publishing service **204**, the back end service **204c** of the publishing service **204** aggregates **404** the data segments into a multimedia object to reproduce the originally recorded multimedia content. The data segments are reassembled in the back end service **204c** of the publishing service **204** using the segment identifiers tagged to the data segments. As illustrated in FIG. 4, the back end service **204c** aggregates the data segments into a multimedia object. The multimedia object may therefore be a single multimedia file of the user created multimedia content, the aggregation of the data segments, or a single multimedia file comprising the electronic mail attachments. Based on user consent provided in the user profile stored in the database **204a** of the publishing service **204**, targeted advertisements may be spliced **409** with the multimedia object created by the back end service **204c**.

[0049] The multimedia object is transferred to the front end service **204b** of the publishing service **204** from the back end service **204c**. The front end service **204b** associates the multimedia object with the user preferences stored in the database **204a**, authenticates **410** the user **201** for a particular publication virtual space and then publishes **411** the multimedia object on the selected publication virtual spaces **205**. The user **201** is authenticated for particular publication virtual spaces **205** using the authentication details stored in the database **204a** of the publishing service **204**. Each time the multimedia file created by the user **201** is viewed, a message is sent back to the back end service **204c**. This enables the back end service **204c** to keep track of the number of viewers for a particular targeted advertisement if advertisements were spliced with the multimedia object.

[0050] FIG. 5 illustrates an exemplary flowchart of the transfer of multimedia content to the publishing service **204** in the form of electronic mail attachments. As illustrated in FIG. 5, the user created multimedia content considered is one of a picture, an audio, a video, and text file. The user **201**

captures images **502a**, records audio **502b** or video content **502c**, and text **502d** on the mobile device **501** using the media recorder **202b** present in the mobile device **501**. The media recorder may be an image capturing tool such as a camera for capturing images, or may be an audio or video recorder for recording the audio or video content respectively. The user **201** records the media contents using client application **202**. After the recording is complete, the client transfers the recorded media content as electronic mail attachments **503** to the publishing service **204** using an electronic mail client available on the mobile device **501**. The publishing service **204** may identify the user **201** by the user's **201** electronic mail address that was provided by the user **201** to the publishing service **204**.

[0051] In one embodiment illustrated in FIG. 5, the user **201** may send multimedia content through more than one electronic mail attachment to the publishing service **204**. Based on the preferences of the user **201**, the publishing service **204** may aggregate the contents of the multiple electronic mail attachments, and creates a multimedia object **504**. For example, the user **201** may use several images and an audio clip to publish a slideshow with accompanying audio. These images and the audio clip may be sent to the publishing service **204** as multiple attachments in a single electronic mail message or as an attachment in multiple electronic mail messages. In case of the attachments sent over multiple electronic mail messages, the publishing service **204** may identify that the received contents are part of single multimedia content from the subject of the electronic mail messages. For example, the subject of the electronic mail message may contain 'Media content part 1 of n', where '1' is the index of the current file that is sent as an attachment, and 'n' is the total number of files that the combined multimedia content may comprise. Upon receiving the 'n' number of files, the publishing service **204** may aggregate these files, create the final slideshow with accompanying audio, and publish the slideshow one or more publication virtual spaces **205** as desired by the user **201**. Based on user consent, targeted advertisements may be spliced with the created multimedia object **505**. The multimedia object is then published **506** on one or more of the publication virtual spaces **205** configured by the user **201**. The steps of aggregating the transmitted multimedia content **504**, splicing advertisements with the multimedia object, and publishing the multimedia object **506** on one or more publication virtual spaces **205** simultaneously is described in the detailed description of FIG. 1.

[0052] A user **201** may use the disclosed invention for publishing user created multimedia content using a mobile device in different scenarios. The user **201** may share the multimedia contents with others by publishing the multimedia contents on one or more publication virtual spaces **205**. Consider an example of a user **201**, Jim, on a vacation who wants to share his experience with family members and friends. Jim may be on a vacation on a remote island where there is no internet connectivity. Jim uses his mobile phone to capture images and video during the vacation and stores it on his mobile device. He may also record a voice message describing his experience and the locations where the images were captured. The voice message and the images are stored on his mobile device. On reaching another place where internet connectivity is available, Jim may use the publishing service **204** to publish an audio accompanied slide show of the captured images. The slideshow may be

published on Jim's personal blog site. Jim's family members and his friends may be able to view the slideshow on Jim's blog site and share his vacation experience, while Jim is continuing on with his vacation.

[0053] As another exemplary illustration, consider an investigative reporter, Samantha, working for a prominent newspaper in New York City. Each day, she moves around the city chasing leads, interviewing people, and tracking down her next big story. Her tools of choice are a notepad, a tape recorder, a camera, and a laptop. It is difficult for her to juggle the notepad and the tape recorder at the same time. It is also difficult for her to use the camera to capture pictures of an eminent personality amidst a huge crowd or who is boarding a vehicle. When she is working on a story with an associate writer, she needs to download the pictures and type her notes on the laptop and send it to the associate writer. Samantha learns about the publishing service **204** that allows her to publish pictures, videos, and audio from a mobile device to the internet with one click or touch of a button, and decides to give it a try. Soon, Samantha moves around the city with a smart phone that has replaced the notepad, the tape recorder and the camera. When she needs to take notes or remember important dates and facts about a story, she records her notes as an audio stream on her smart phone. The audio content is published and immediately available on her private blog that may be accessed by the newspaper editor and her associates in the news office. When she needs to review her notes, she logs into her blog site on her smart phone. She can see the video and the pictures that were captured and listen to the notes that she had recorded for herself. When she is collaborating with an associate on a story, they may see each other's progress in real time. Since sharing information with the associate over emails may be inconvenient, Samantha records her progress on the story in the voice format and publishes. The associate may access the information from Samantha's blog site, thereby saving considerable time.

[0054] Consider another example of a user **201** of the invention, Alex, who is an avid war game miniature collector and history buff. He is active in attending the numerous war gaming conventions and traveling to various historic locations to visualize the history he enjoys reading about. Alex has configured a couple of destination aliases for his account which allow him to send any media he generates to multiple blogs, or media repositories. His destination list includes the following aliases.

[0055] For war game miniatures: flickr (Miniature Album), blogger.com (WarGamer2000, a blog about development and maintenance of miniatures).

[0056] For history: picasa (History Album), blogger.com (HistoryNut, a blog about his thoughts and travels related to history).

[0057] Using this invention Alex is able to select a destination alias and transfer his photos or videos to multiple media sites with only a few selections from his mobile. In addition to the pre-defined list of destinations and aliases, Alex is able to include additional destinations such as email, and SMS to his post which are not added to his saved destination list. During one war gaming convention, Alex comes across a re-enactment of some historic civil war battle which he captures with his mobile handheld and posts via his miniatures alias. At the end of the day, he decides he would have really liked to send it to his history blog as well. Alex could have done this when initially creating the post, but did

not think of it. So, he logs onto the web portion of the invention and logs into his account to find his most recent posts. From there he directs the application to also publish the post to his history blog and picasa History album.

[0058] Consider another example where the method and system of this invention is used in voice blogging. Radio and TV Talk Show programs commonly ask for voicemails and emails as a part of their material. With this invention, these viewers and listeners may now send messages to Radio or TV personality website directly. Users may send comments, pictures, even news coverage and send it directly to the programs or the host's website. Sometimes electronic mail may not be capable of communicating the full message. It may not convey the mood, the emotion, or the full personality of the sender.

[0059] Most people also usually listen to the radio in the car where the use of email is impractical. It is also very difficult to get through to a radio station by phone. A listener may now send their voice blog and thought to the website for everyone to see by just clicking on the voice capture media button on the graphical user interface **202a** of the client application **202**. With this invention, the radio staff may access these posts at any time and pick the ones they want to air and save it for later without ever needing to erase anything. They may also share more posts with their audience without the usual time constraints, and a larger audience may get their message across.

[0060] Television talk shows often employ the same tactics as radio shows, more often using email. Electronic mail may be very limiting for a television program especially when visual media may be used. This promotes more interaction between the show and the audience, and members may feel more certain their post will be noticed. Television programs such as talk shows, news programs, even reality television shows may use the invention to invite their audience to give feedback and comments. News programs may also use this invention in a number of ways. Firstly, similar to radio and talk show programs, news programs may take comments from the audience and add to the discussion or promote greater dialogue in a forum-style context on its website among audience members. They may also take polls more easily as well as receive coverage from people at ground zero for news worthy events that would otherwise be missed.

[0061] Exemplarily, the disclosed invention may be implemented in technologies that are pervasive, flexible, and capable enough of accomplishing the desired tasks of the disclosed invention. The electronic mobile device may be a ubiquitous mobile phone. The use of personal digital assistants (PDAs) without telephony support is also fairly widespread. The client application **202** may be deployed on such devices with limited or no telephony support. These mobile devices may support Java of Sun Microsystems Inc., more specifically Java 2 Micro Edition (J2ME™), Windows Mobile .Net Compact Framework of Microsoft, Inc., Symbian™, Linux framework. Exemplarily, the client application **202** may be implemented on the J2ME platform. These environments provide functionalities in the libraries to create the GUI **202a** and perform all the required functions of the method and system disclosed herein. Other advantages of these frameworks are portability across mobile devices that run on different operating systems. The client application **202** may be rendered independent of the operating system of the mobile device. One of the transport mecha-

nisms to achieve the connectivity between the publishing service **204** and the client application **202** is the wireless internet. While most PDAs have an inbuilt wireless network card for the internet connectivity, the mobile phones may transfer data to the publishing service **204** over the telephony network at near broadband speeds. Some of the mobile phones equipped with both wireless network and telephony data capabilities may use either of the two to communicate with the publishing service **204**. The transport protocol that is used between the client application **202** and the publishing service **204** may be hypertext transfer protocol (HTTP) or extensible markup language-remote procedure calls (XML-RPC). The back end **204c** service may be developed in Java.

[0062] It will be readily apparent that the various methods and algorithms described herein may be implemented in a computer readable medium appropriately programmed for general purpose computers and computing devices. Typically a processor, for e.g., one or more microprocessors will receive instructions from a memory or like device, and execute those instructions, thereby performing one or more processes defined by those instructions. Further, programs that implement such methods and algorithms may be stored and transmitted using a variety of media, for e.g., computer readable media in a number of manners. In one embodiment, hard-wired circuitry or custom hardware may be used in place of, or in combination with, software instructions for implementation of the processes of various embodiments. Thus, embodiments are not limited to any specific combination of hardware and software. A "processor" means any one or more microprocessors, Central Processing Unit (CPU) devices, computing devices, microcontrollers, digital signal processors, or like devices. The term "computer-readable medium" refers to any medium that participates in providing data, for example instructions that may be read by a computer, a processor or a like device. Such a medium may take many forms, including but not limited to, non-volatile media, volatile media, and transmission media. Non-volatile media include, for example, optical or magnetic disks and other persistent memory volatile media include Dynamic Random Access Memory (DRAM), which typically constitutes the main memory. Transmission media include coaxial cables, copper wire and fiber optics, including the wires that comprise a system bus coupled to the processor. Transmission media may include or convey acoustic waves, light waves and electromagnetic emissions, such as those generated during Radio Frequency (RF) and Infrared (IR) data communications. Common forms of computer-readable media include, for example, a floppy disk, a flexible disk, hard disk, magnetic tape, any other magnetic medium, a Compact Disc-Read Only Memory (CD-ROM), Digital Versatile Disc (DVD), any other optical medium, punch cards, paper tape, any other physical medium with patterns of holes, a Random Access Memory (RAM), a Programmable Read Only Memory (PROM), an Erasable Programmable Read Only Memory (EPROM), an Electrically Erasable Programmable Read Only Memory (EEPROM), a flash memory, any other memory chip or cartridge, a carrier wave as described hereinafter, or any other medium from which a computer can read. In general, the computer-readable programs may be implemented in any programming language. Some examples of languages that can be used include C, C++, C#, or JAVA. The software programs may be stored on or in one or more mediums as an object code. A computer

program product comprising computer executable instructions embodied in a computer-readable medium comprises computer parsable codes for the implementation of the processes of various embodiments.

[0063] Where databases are described, such as the database 204a of the publishing service 204, it will be understood by one of ordinary skill in the art that (i) alternative database structures to those described may be readily employed, and (ii) other memory structures besides databases may be readily employed. Any illustrations or descriptions of any sample databases presented herein are illustrative arrangements for stored representations of information. Any number of other arrangements may be employed besides those suggested by, e.g., tables illustrated in drawings or elsewhere. Similarly, any illustrated entries of the databases represent exemplary information only; one of ordinary skill in the art will understand that the number and content of the entries can be different from those described herein. Further, despite any depiction of the databases as tables, other formats including relational databases, object-based models and/or distributed databases could be used to store and manipulate the data types described herein. Likewise, object methods or behaviors of a database can be used to implement various processes, such as the described herein. In addition, the databases may, in a known manner, be stored locally or remotely from a device that accesses data in such a database.

[0064] The present invention can be configured to work in a network environment including a computer that is in communication, via a communications network, with one or more devices. The computer may communicate with the devices directly or indirectly, via a wired or wireless medium such as the Internet, Local Area Network (LAN), Wide Area Network (WAN) or Ethernet, Token Ring, or via any appropriate communications means or combination of communications means. Each of the devices may comprise computers, such as those based on the Intel® processors that are adapted to communicate with the computer. Any number and type of machines may be in communication with the computer.

[0065] The foregoing examples have been provided merely for the purpose of explanation and are in no way to be construed as limiting of the present method and system disclosed herein. While the invention has been described with reference to various embodiments, it is understood that the words, which have been used herein, are words of description and illustration, rather than words of limitation. Further, although the invention has been described herein with reference to particular means, materials and embodiments, the invention is not intended to be limited to the particulars disclosed herein; rather, the invention extends to all functionally equivalent structures, methods and uses, such as are within the scope of the appended claims. Those skilled in the art, having the benefit of the teachings of this specification, may effect numerous modifications thereto and changes may be made without departing from the scope and spirit of the invention in its aspects.

I claim:

1. A method of publishing multimedia content created by a user of a mobile device on one or more publication virtual spaces simultaneously, comprising the steps of:

providing a client application on said mobile device of said user;

creating said multimedia content by the user using said client application;

providing a publishing service, wherein said publishing service comprises a front end service and a back end service;

synchronizing user publishing information between the client application and the publishing service using a protocol, wherein said user publishing information includes user preferences of said publication virtual spaces;

transferring said user created multimedia content from said mobile device to said back end service via said front end service, wherein said step of transferring the user created multimedia content is performed by the client application;

creating a multimedia object from said transferred multimedia content using the back end service;

transferring said multimedia object from the back end service to the front end service; and

publishing the multimedia object by the front end service on one or more of the publication virtual spaces simultaneously;

whereby the user created multimedia content is published on one or more of the publication virtual spaces by the publishing service.

2. The method of claim 1, wherein the multimedia object is spliced with targeted advertisements by the back end service based on profile of the user.

3. The method of claim 1, wherein the back end service sends targeted advertisements to the client application.

4. The method of claim 1, wherein the user created multimedia content is one of an audio file, a video file, an image file, a text file, and any combination thereof.

5. The method of claim 1, wherein the user created multimedia content is published using one of internet and intranet capabilities of the mobile device via a wireless network.

6. The method of claim 1, wherein the user created multimedia content is prerecorded multimedia content and published at a future point in time.

7. The method of claim 1, wherein the user created multimedia content is reviewed by the user prior to transferring the user created multimedia content to the back end service via the front end service.

8. The method of claim 1, wherein the user created multimedia content is transferred to the front end service as electronic mail attachments.

9. The method of claim 1, wherein the user created multimedia content is transferred to the front end service as data segments created by the client application.

10. The method of claim 9, wherein each of said data segments are tagged with segment identifiers.

11. The method of claim 10, wherein said tagged data segments are reassembled in a predetermined sequence using said segment identifiers by the back end service to create the multimedia object.

12. The method of claim 1, wherein said step of publishing the multimedia object is performed by a single input action of the user.

13. The method of claim 12, wherein said single input action of the user comprises one of a click and a touch of a button provided on a graphical user interface of the mobile device, one of a voice command, and a turn of a scroll wheel on the mobile device.

14. The method of claim 1, wherein said step of publishing the multimedia object includes one of pod casting, video casting, photo casting, text casting, voice blogging, photo blogging, text blogging, and a combination thereof.

15. The method of claim 1, wherein the publication virtual spaces are one or more of third party social networking websites, blog sites, video blog sites, social book marking websites, shopping websites, merchandising websites, and a plurality of websites that publish user created multimedia contents.

16. The method of claim 1, wherein the publication virtual spaces are configured by the user and said configuration is stored on the mobile device.

17. The method of claim 16, wherein the configuration of the publication virtual spaces are dynamically retrieved from the back end service by the client application.

18. The method of claim 1, wherein the user creates an account with the publishing service, wherein said publishing service account comprises login information of the user for the publication virtual spaces.

19. The method of claim 18, wherein said publishing service account comprises a user profile utilized for targeting advertisements.

20. The method of claim 1, wherein the publishing service generates advertising statistics based on viewing information of the multimedia object, wherein said viewing information is collected each time the multimedia object is viewed on the publication virtual spaces.

21. A system for publishing multimedia content created by a user of a mobile device on one or more publication virtual spaces simultaneously, comprising:

a client application on said mobile device for creating said multimedia content and selecting one or more of said publication virtual spaces by said user;

a publishing service for publishing a multimedia object on one or more of said selected publication virtual spaces, comprising:

a front end service for receiving said user created multimedia content and a list of the selected publication virtual spaces from said client application on the mobile device via a network, and publishing said multimedia object on the selected publication virtual spaces via said network; and

a back end service for creating the multimedia object from the user created multimedia content.

22. The system of claim 21, wherein the user created multimedia content is transferred from the client application to said back end service via said front end service as one of a single multimedia file, data segments, and one of a single and multiple multimedia files comprising electronic mail attachments.

23. The system of claim 21, wherein the client application comprises a graphical user interface for creating and transferring the user created multimedia content to said publishing service.

24. The system of claim 21, wherein the client application comprises a segmentation module, wherein said segmentation module partitions the user created multimedia content into data segments.

25. The system of claim 24, wherein said data segments are tagged with segment identifiers using the segmentation module.

26. The system of claim 25, wherein said tagged data segments are reassembled in a predetermined sequence by a data reassembler using said segment identifiers to create the multimedia object.

27. The system of claim 21, wherein the client application comprises an advertising module for displaying advertisements to the user on the mobile device.

28. The system of claim 21, wherein the client application comprises a publication virtual space list module for enlisting the publication virtual spaces for publishing of the user created multimedia content.

29. The system of claim 21, wherein the client application comprises a first user authentication module for authenticating the user to publish the user created multimedia content.

30. The system of claim 21, wherein the client application uses a media recorder for recording the multimedia content on the mobile device.

31. The system of claim 21, wherein said publishing service further comprises a database for storing user profiles, user preferences, advertisement profiles, advertisements, and user created multimedia content.

32. The system of claim 21, wherein said publishing service further comprises a second user authentication module for authenticating the user on the publishing service.

33. The system of claim 21, wherein said back end service comprises an advertisement selection tool for selecting targeted advertisements to be spliced with the multimedia object.

34. The system of claim 21, wherein said back end service comprises an advertisement splicer for splicing targeted advertisements with the multimedia object.

35. The system of claim 34, wherein said advertising splicer further sends targeted advertisements to the client application.

36. A computer program product comprising computer executable instructions embodied in a computer-readable medium, wherein said computer program product comprises:

a first computer parsable program code for creating multimedia content by a user;

a second computer parsable program code for synchronizing user publishing information between a client application on a mobile device and a publishing service using a protocol, wherein said user publishing information includes user preferences of publication virtual spaces;

a third computer parsable program code for transferring said user created multimedia content from said client application to a back end service via a front end service of said publishing service;

a fourth computer parsable program code for creating a multimedia object from said transferred multimedia content in said back end service;

a fifth computer parsable program code for transferring said multimedia object from the back end service to said front end service; and

a sixth computer parsable program code for publishing the multimedia object by the front end service on one or more of said publication virtual spaces simultaneously.

* * * * *

Electronic Acknowledgement Receipt

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Application Number:	17542373
International Application Number:	
Confirmation Number:	1760
Title of Invention:	Automatic Multimedia Upload For Publishing Data And Multimedia Content
First Named Inventor/Applicant Name:	Gurvinder Singh
Customer Number:	64188
Filer:	Ashok Tankha
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Application Type:	Utility under 35 USC 111(a)

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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	CellSpin_04Con18_transmittal_letter.pdf	81259	no	2
			ebda2c7a5199ab01f1c3e3e18de4b03c0da30ef2		

Warnings:

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2	Amendment/Request for Reconsideration-After Non-Final Rejection	Cellspin_04Con18_Response_0 9_January_2023.pdf	2289043	no	37
			d41c081aec91c281000d1393d93b1f322e5 5fecf		
Warnings:					
Information:					
3	Miscellaneous Incoming Letter	Exhibit_A.pdf	1283480	no	25
			79de7d853fd62022eb63419f6d85f4c0e55 d3571		
Warnings:					
Information:					
4	Miscellaneous Incoming Letter	Exhibit_B.pdf	4367746	no	16
			32903740c811753aa0a6335252fef6b52dd d87e8		
Warnings:					
Information:					
Total Files Size (in bytes):			8021528		
This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.					

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re. application of:

Gurvinder Singh

Application No.: 17/542,373

Filed: 12/04/2021

Applicant: CellSpin Soft Inc.

Title: Automatic Multimedia Upload
For Publishing Data And Multimedia
Content

Examiner: Nooristany, Sulaiman

Art Unit: 2415

Atty. Docket no.: CellSpin_04Con18

Mail Stop Amendment

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

TRANSMITTAL LETTER

1. Attachments: We are transmitting herewith the attached papers for the above identified patent application:

- **Response to non-final office action (37 pages).**
- **E-terminal disclaimer.**
- **Exhibits.**

2. Fees: \$170

3. Certificate Of Transmission Under 37 § CFR 1.8: The undersigned hereby certifies that this Transmittal Letter and the papers as described in paragraph 1 hereinabove, are being electronically transmitted to the United States Patent and Trademark Office **via the USPTO electronic filing system** on this **09th day of January 09 2032.**

Respectfully submitted,

Date: January 09, 2023

/ash tankha/
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Response to non-final office action

Examiner Nooristany:

In response to the non-final office action mailed October 13, 2022, please see the
Remarks that begin on page 2 of this response.

Remarks

The pending claims

Claims 1-19 are currently pending. Reconsideration and allowance of the pending claims is respectfully requested.

Summary of the Office Action

Double Patenting

Claims 1-19 are provisionally rejected on the ground of nonstatutory double patenting as being unpatentable over claims of Parent Application(s) No. 12333303, 13740214, 14172913, 14273546, 14503401, 14576202, 15659637, 16532507. Although the claims at issue are identical, they are not patentably distinct from each other because they are same variants of each other.

Claim Rejections 35 U.S.C. 112

Claims 1-19 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. More specifically, the applicant fails to sufficiently point out or describe display a mobile advertisement inside the mobile software application & touch-based advertisement targeted to a user.

Specification Objection

The disclosure is objected to because of the following informalities: Examiner has reviewed the specification of this application under examination and could not find

support for the additional limitations as claimed "display a mobile advertisement inside the mobile software application" & touch-based advertisement targeted to a user. Appropriate correction is required.

Claim Rejections - 35 USC § 112

Claims 1-19 are rejected under 112, second paragraph as being indefinite for failing to particularly point and distinctly claim the subject matter which applicant regards as the invention.

Claim Rejections 35 U.S.C. 103

Claim 1-3, 5-7 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Hunter US 20040005915 in view of Pietruszka US 20070226778.

Claim 4 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Hunter US 20040005915 in view of Pietruszka US 20070226778 further in view of Risbood US 20070111748.

Claims 8-19 are related to claims 1-7 and are rejected for similar reasons as stated above.

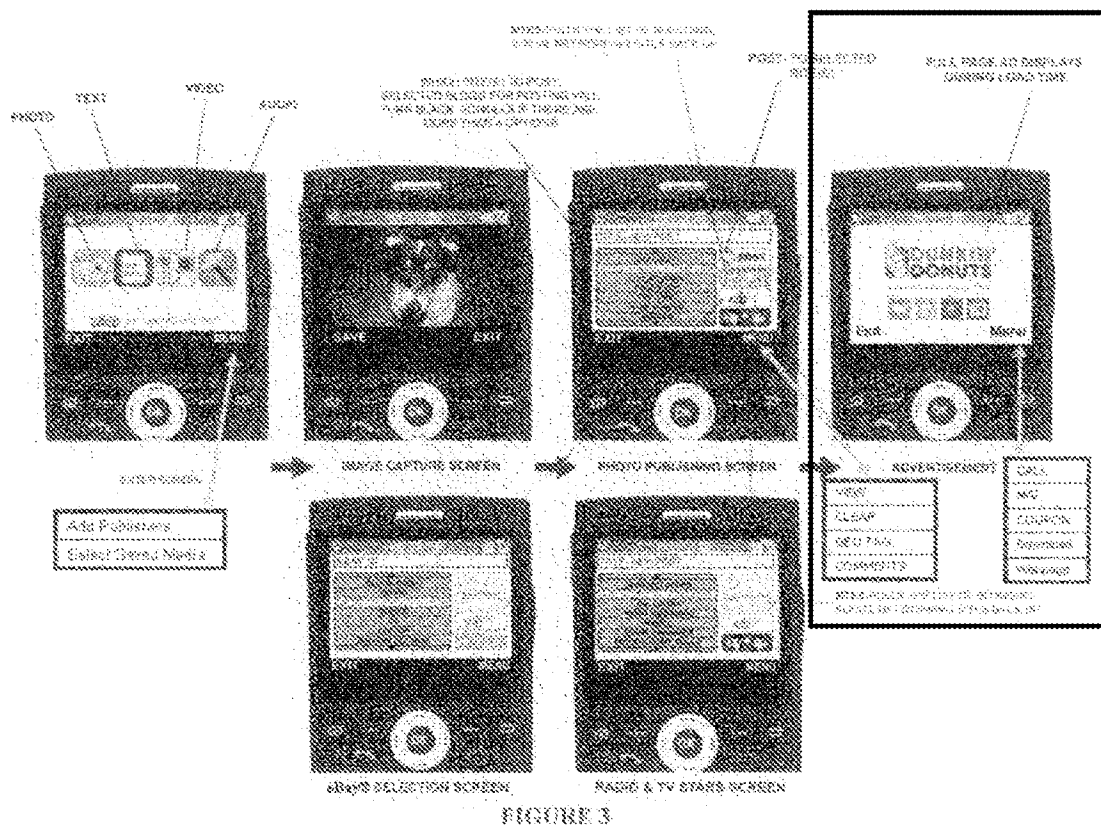
Support for claim limitations

Support for the limitations: "*display a mobile advertisement inside the mobile software application*", and "*a mobile software application advertising software module, wherein the mobile software application advertising software module selects advertisements based on the user profile and sends the selected advertisements to the mobile software application*" in claim 1 is found in:

- (a) Point No. 2 of "*CROSS REFERENCE TO RELATED APPLICATIONS*" in the originally filed application, which states as follows: "*The following patent*

application is incorporated herein in its entirety: US Non-provisional patent application serial number 11/901,802, titled “Online Publishing of Multimedia Content”, filed on September 19, 2007 in the United States Patent and Trademark Office.” USPTO Publication No. 2008/0103906 A1 is the published application of US Non-provisional patent application serial number 11/901,802. US Non-provisional patent application serial number 11/901,802 is attached to this response as **Exhibit A** and USPTO Publication No. 2008/0103906 A1 is attached to this response as **Exhibit B**; see also link: <https://patentimages.storage.googleapis.com/1f/06/a0/32f9a69fbef2a6/US20080103906A.pdf>.”

(b) **FIG. 3 of Exhibit B** (reproduced below) Elements **407** and **410**



(c) Paragraph [0021] of **Exhibit B**, which states: “The back end service 204 c may splice the multimedia object with targeted advertisements based on a user profile stored in the database 204 a of the publishing service 204. Also, when the

user 201 is using the client application 202 targeted advertisements may be displayed to the user 201 on the client application 202.”

- (d) FIG. 2, Element 202c, and Paragraph [0032] of Exhibit B, which states: “*a mobile software application advertising software module, wherein the mobile software application advertising software module selects advertisements based on the user profile and sends the selected advertisements to the mobile software application*”.
- (e) In Zenon Environmental Inc v. United States Filter Corporation., Nos. 06-1266, - 1267 (Fed. Cir. Nov. 7, 2007), the United States Court of Appeals for the Federal Circuit held that incorporation by reference “*provides a method for integrating material from various documents into a host document . . . by citing such material in a manner that makes clear that the material is effectively part of the host document as if it were explicitly contained therein.*” Cook Biotech Inc. v. Acell, Inc., 460 F.3d 1365, 1376 (Fed. Cir. 2006) (quoting Advanced Display Sys., Inc. v. Kent State Univ., 212 F.3d 1272, 1282 (Fed. Cir. 2000))”.
- (f) Furthermore, in Paice LLC v. Ford Motor Co., 2018 WL 651366 (Fed. Cir. Feb. 1, 2018), Paice’s U.S. Patent No. 7,237,634 (“the ‘634 patent”) claimed priority to U.S. patent application no. 09/264,817 (“the ‘817 application”). A U.S. Patent no. 5,343,970 was incorporated into the ‘817 application: with the following paragraph: “*This application discloses a number of improvements over and enhancements to the hybrid vehicles disclosed in the inventor’s U.S. Pat. No. 5,343,970 (“the ‘970 patent”), which is incorporated herein by this reference. Where differences are not mentioned, it is to be understood that the specifics of the vehicle design shown in the ‘970 patent are applicable to the vehicles shown herein as well.*”

The Federal Circuit noted that the first sentence above broadly and unambiguously states that ‘970 patent is, without qualification, incorporated into the ‘817 application. The Federal Circuit held that the second sentence has no bearing on the

extent of incorporation, and merely states that the features disclosed by ‘970 patent apply to vehicles described as the invention in the ‘817 application, except if the specification mentions otherwise. Citing *Modine Mfg. Co. v. U.S. Int’l Trade Comm’n*, 75 F.3d 1545 (Fed. Cir. 1996), the Federal Circuit stated that “[t]he applicability of a document’s disclosed features and the incorporation of the document itself are distinct concepts, and one does not imply the other.” In summary, the Federal Circuit held that the ‘970 patent is incorporated into the ‘817 patent in its entirety.

In view of the above two Federal circuit decisions, applicant submits that the ‘802 application (application no. 11/901,802, Exhibit A) is incorporated by reference in its entirety in the ‘373 application (application no. 17/542,373).

(g) Furthermore, 37 CFR 1.57 (pre-PLT) – Incorporation by Reference, which is applicable to applications filed before December 18, 2013, provides:

a) Subject to the conditions and requirements of this paragraph, if all or a portion of the specification or drawing(s) is inadvertently omitted from an application, but the application contains a claim under §1.78 for the benefit of a prior-filed provisional, non-provisional, or international application, that was present on the filing date of the application, and the inadvertently omitted portion of the specification or drawing(s) is completely contained in the prior-filed application, the claim under §1.78 shall also be considered an incorporation by reference of the prior-filed application as to the inadvertently omitted portion of the specification or drawing(s).

(1) The application must be amended to include the inadvertently omitted portion of the specification or drawing(s) within any time period set by the Office, but in no case later than the close of prosecution as defined by § 1.114(b), or abandonment of the application, whichever occurs earlier. The applicant is also required to:

- (i) Supply a copy of the prior-filed application, except where the prior-filed application is an application filed under 35 U.S.C. 111;
- (ii) Supply an English language translation of any prior-filed application that is in a language other than English; and
- (iii) Identify where the inadvertently omitted portion of the specification or drawings can be found in the prior-filed application.

Applicant submits that the requirements under 37 CFR 1.57(a) were fulfilled by pending application no. 17/542,373 ('373 application), when the '373 application was filed.

At the time of filing, the '373 application recited on page 2, item 2 of the application that the prior filed application no. 11/901,802 ('802 application, Exhibit A) is incorporated in its entirety in the '373 application.

The '802 application (Exhibit A) was pending, and not abandoned, at the time of filing of the '373 application.

37 CFR 1.57(a)(1)(i) and 37 CFR 1.57(a)(1)(ii) are not applicable to the '802 application (Exhibit A), and since the '802 application (Exhibit A) was incorporated by reference in its entirety in the '373 application, 37 CFR 1.57(a)(1)(iii) is satisfied.

- (h) Enclosed: (a) Copy of pages 1 and 2 of the specification of pending application no. 17/542,373 ('373 application).

Support for claim 6 is found in paragraph [0042] of Exhibit B.

The office action states: “**Claims 1-19 are provisionally rejected on the ground of nonstatutory double patenting as being unpatentable over claims of Parent Application(s) No. 12333303, 13740214, 14172913, 14273546, 14503401, 14576202, 15659637, 16532507. Although the claims at issue are identical, they are not patentably distinct from each other because they are same variants of each other.**”

In response to the above rejection, applicant has timely filed a terminal disclaimer to overcome the double patenting rejection. Applicant therefore respectfully requests that the nonstatutory double patenting rejection be reconsidered and withdrawn.

The office action further states: “**Claims 1-19 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. More specifically, the applicant fails to sufficiently point out or describe display a mobile advertisement inside the mobile software application & touch-based advertisement targeted to a user.**”

In response to the above rejection, applicant submits that in pages 3-7 of this response, applicant has provided arguments to show that the limitations: “*display a mobile advertisement inside the mobile software application*”, and “*a mobile software application advertising software module, wherein the mobile software application advertising software module selects advertisements based on the user profile and sends the selected advertisements to the mobile software application*” are supported in the specification of the current application, because of **incorporation in its entirety** of US non-provisional patent application serial number 11/901,802, titled “Online Publishing of Multimedia Content”, filed on September 19, 2007 in the United States Patent and Trademark Office” into the current application. Therefore, claims 1-19 fully comply with the written description requirement.

Applicant therefore respectfully requests that the rejection of claims 1-19 under 35 U.S.C. 112, first paragraph be reconsidered and withdrawn.

The office action further states: **“The disclosure is objected to because of the following informalities: Examiner has reviewed the specification of this application under examination and could not find support for the additional limitations as claimed “display a mobile advertisement inside the mobile software application” & touch-based advertisement targeted to a user. Appropriate correction is required.”**

In response to the above objection, applicant submits that in pages 3-7 of this response, applicant has provided arguments to show that the limitations: *“display a mobile advertisement inside the mobile software application”*, and *“a mobile software application advertising software module, wherein the mobile software application advertising software module selects advertisements based on the user profile and sends the selected advertisements to the mobile software application”* are supported in the specification of the current application, because of *incorporation in its entirety* of US non-provisional patent application serial number 11/901,802, titled *“Online Publishing of Multimedia Content”*, filed on September 19, 2007 in the United States Patent and Trademark Office” into the current application. Therefore, the above limitations are fully supported in the current specification.

Applicant therefore respectfully requests that the objection to the specification be reconsidered and withdrawn.

The office action further states: **“Claims 1-19 are rejected under 35 USC 112, second paragraph as being indefinite for failing to particularly point and distinctly claim the subject matter which applicant regards as the invention.”**

Applicant disagrees with the above rejection and presents the following arguments. In pages 3-7 of this response, applicant has provided arguments to show that the limitations: *“display a mobile advertisement inside the mobile software application”*,

and “a mobile software application advertising software module, wherein the mobile software application advertising software module selects advertisements based on the user profile and sends the selected advertisements to the mobile software application” are supported in the specification of the current application, because of **incorporation in its entirety** of US non-provisional patent application serial number 11/901,802, titled “Online Publishing of Multimedia Content”, filed on September 19, 2007 in the United States Patent and Trademark Office” into the current application. Therefore, claims 1-19 particularly point and distinctly claim the subject matter which applicant regards as the invention.

Applicant, therefore respectfully requests that the rejection of claims 1-19 under 35 U.S.C 112, second paragraph be reconsidered and withdrawn.

The office action further states: “**Claims 1-14 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Hunter US 20040005915 in view of Pietruszka US 20070226778. Claims 8-19 are related to claims 1-7 and are rejected for similar reasons**”.

Argument 1

In response to the above rejection, applicant submits that Hunter, in view of Pietruszka does not teach or suggest the following limitations in claim 1:

“a mobile software application for a Bluetooth enabled cellular phone, wherein the mobile software application is embodied as executable program instructions that, when executed by a processor of the Bluetooth enabled cellular phone, configured to:

display a mobile advertisement inside the mobile software application;”

“a mobile software application advertising software module, wherein the mobile software application advertising software module selects advertisements based on the user profile and sends the selected advertisements to the mobile software application;”

“use Hypertext Transfer Protocol to transfer the received new-data along with a user authentication credential to a remote server over a cellular data network;”

“a user authentication software module, wherein the user authentication software module processes the user authentication credential received from the mobile software application;”

“said mobile software application for the Bluetooth enabled cellular phone configured to listen for an event notification, sent from the Bluetooth enabled data capture device, over the established paired Bluetooth connection, wherein the event notification corresponds to the acquired new-data and comprises sending a signal from the Bluetooth enabled data capture device to the Bluetooth enabled cellular phone;”

Claim 1 discloses a mobile software application for a Bluetooth enabled cellular phone. The mobile software application is embodied as executable program instructions that, when executed by a processor of the Bluetooth enabled cellular phone, configured to display a mobile advertisement inside the mobile software application.

Claim 1 also discloses a mobile software application advertising software module. The mobile software application advertising software module selects advertisements based on the user profile and sends the selected advertisements to the mobile software application.

Claim 1 also discloses that the mobile software application uses Hypertext Transfer Protocol to transfer the received new-data along with a user authentication credential to a remote server over a cellular data network.

Claim 1 also discloses a user authentication software module. The user authentication software module processes the user authentication credential received from the mobile software application.

Hunter and Pietruszka, singly or in combination, do not teach or suggest the above limitations in claim 1.

By way of explanation, applicant submits that in pages 3-7 of this response, applicant has provided arguments to show that the limitations: “*display a mobile advertisement inside the mobile software application*”, and “*a mobile software application advertising software module, wherein the mobile software application advertising software module selects advertisements based on the user profile and sends the selected advertisements to the mobile software application*” are supported in the specification of the current application, because of **incorporation in its entirety** of US non-provisional patent application serial number 11/901,802, titled “*Online Publishing of Multimedia Content*”, filed on September 19, 2007 in the United States Patent and Trademark Office” into the current application.

The office action on page 8 states that Paragraph [0025] and FIG. 1, Element 20 of Hunter teach the above limitations in claim 1. Applicant respectfully disagrees and submits the following arguments. FIG. 1, Element 20 of Hunter is a communication device. Furthermore, there is no teaching or suggestion in Paragraph [0025] of Hunter of a mobile software application for a Bluetooth enabled cellular phone, where the mobile software application is embodied as executable program instructions that, when executed by a processor of the Bluetooth enabled cellular phone, configured to display a mobile advertisement inside the mobile software application. Furthermore, there is no teaching or suggestion in Paragraph [0025] of Hunter of a mobile software application advertising

software module, where the mobile software application advertising software module selects advertisements based on the user profile and sends the selected advertisements to the mobile software application.

Therefore, Hunter and Pietruszka, singly or in combination, do not teach or suggest the following limitations in claim 1:

“a mobile software application for a Bluetooth enabled cellular phone, wherein the mobile software application is embodied as executable program instructions that, when executed by a processor of the Bluetooth enabled cellular phone, configured to:

display a mobile advertisement inside the mobile software application;”

“a mobile software application advertising software module, wherein the mobile software application advertising software module selects advertisements based on the user profile and sends the selected advertisements to the mobile software application;”

Argument 2

Furthermore, applicant submits that the following limitations in claim 1 are also not taught or suggested by Hunter, in view of Pietruszka:

“use Hypertext Transfer Protocol to transfer the received new-data along with a user authentication credential to a remote server over a cellular data network;”

“a user authentication software module, wherein the user authentication software module processes the user authentication credential received from the mobile software application;”

By way of explanation, paragraph [0037] of Pietruszka discloses cryptographically authenticating a short-range wireless device. In contrast, applicant's claim 1 recites transferring and processing of a user authentication credential. The user authentication credential is for a website user and NOT for short-range wireless device.

Therefore, applicant submits that "*Cryptographic authentication of a wireless device*" in Pietruszka is not the same as "*transferring and processing of a user authentication credential*" as recited in applicant's claim 1.

To illustrate the point with an example, a *Facebook or YouTube website* "user authentication credential" is completely different from a cryptographic authentication being performed between and by *two devices* such as a camera and a mobile phone.

Note: See extract of paragraph [0037] of Pietruszka:

[0037] A device that wishes to communicate only with a trusted device can cryptographically authenticate the identity of the other device. Trusted devices may also encrypt data exchanged over a wireless medium as an added security. The encryption can however be turned off and passkeys can be stored on the device's file system rather than the Bluetooth component or chip itself. Since the Bluetooth address can be permanent, a pairing can be preserved even if the Bluetooth name is changed. Either device in a pairing relationship may delete the pairing between the devices. Devices may require pairing or may prompt the user before it allows a remote device to utilize any or all or some of its services.

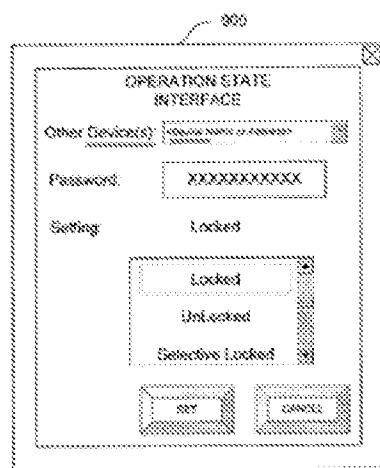


FIG. 9A

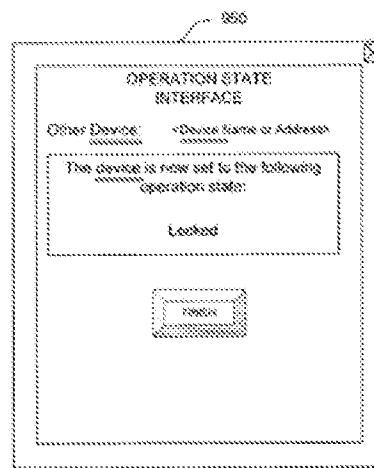


FIG. 9B

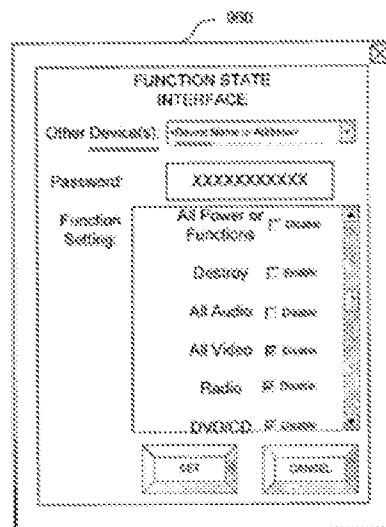


FIG. 9C

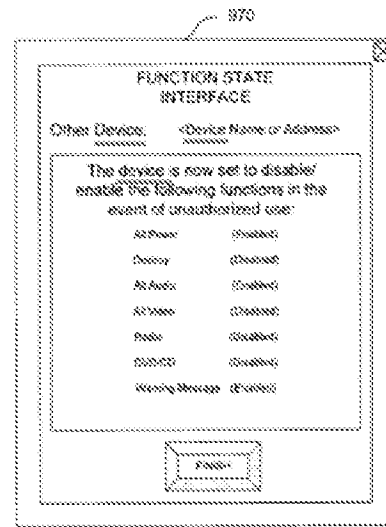


FIG. 9D

- **Pietruszka [0037] is talking about cryptographically authenticating a short-range wireless device. Our Claim is about transferring and processing of website “user” authentication credentials!**
- **Pietruszka [Fig 9A – 9D] make it clear that the authentication is for the Device and NOT for a website user**

Cryptographic authentication of a wireless device



Website user authentication credentials

Furthermore, neither Hunter nor Pietruszka teach or suggest the use of HTTP to transfer the new-data and the user authentication credential to the website. Therefore, even if Hunter and Pietruszka are combined as suggested in the office action, the combination will not teach or suggest the following limitations in claim 1:

“use Hypertext Transfer Protocol to transfer the received new-data along with a user authentication credential to a remote server over a cellular data network;”

“a user authentication software module, wherein the user authentication software module processes the user authentication credential received from the mobile software application;”

Therefore, the following limitations in claim 1 are also not taught or suggested by Hunter, in view of Pietruszka:

“a mobile software application for a Bluetooth enabled cellular phone, wherein the mobile software application is embodied as executable program instructions

that, when executed by a processor of the Bluetooth enabled cellular phone, configured to:

display a mobile advertisement inside the mobile software application;”

“a mobile software application advertising software module, wherein the mobile software application advertising software module selects advertisements based on the user profile and sends the selected advertisements to the mobile software application;”

“use Hypertext Transfer Protocol to transfer the received new-data along with a user authentication credential to a remote server over a cellular data network;”

“a user authentication software module, wherein the user authentication software module processes the user authentication credential received from the mobile software application;”

Argument 3

Furthermore, applicant submits that the following limitations in claim 1 are also not taught or suggested by Hunter, in view of Pietruszka:

“said mobile software application for the Bluetooth enabled cellular phone configured to listen for an event notification, sent from the Bluetooth enabled data capture device, over the established paired Bluetooth connection, wherein the event notification corresponds to the acquired new-data and comprises sending a signal from the Bluetooth enabled data capture device to the Bluetooth enabled cellular phone;”

The office action on page 6 states that paragraph [0013] of Hunter teaches the above limitation in claim 1.

Applicant respectfully *disagrees* and submits the following arguments:

Hunter [0013]

[0013] In accordance with a fourth aspect of the invention, there is provided method of capturing and communicating images, comprising the steps of: programming a camera and a communications device to recognize a trigger event; one of the camera and the communications device recognising occurrence of the trigger event, and communicating with the other of the camera and the communications device by a wireless link therebetween; transferring images between the camera and the communications device over the wireless link; and transferring said images from the communications device on to a data network through a data network interface.

Recognizing $\neq$ Sending

In fact, it is the opposite of *sending*.

The image is a screenshot of the Oxford English Dictionary entry for the verb 'recognize'. It includes the phonetic transcription /ˈrɛkəg.nɪz/, the part of speech 'verb', and the gerund or present participle 'recognizing'. Two definitions are provided: 1. 'identify (someone or something) from having encountered them before; know again.' with the example 'I recognized her when her wig fell off.' 2. 'acknowledge the existence, validity, or legality of.' with the example 'the defense is recognized in Mexican law'. Below the definitions is a 'Similar' section with a row of buttons: 'acknowledge', 'accept', 'admit', 'concede', 'allow', 'grant', and 'confess'. The 'accept' button is highlighted with a dashed border. At the bottom, it says 'Definitions from Oxford Languages'.

rec·og·nize
/ˈrɛkəg.nɪz/
verb
gerund or present participle: recognizing

1. identify (someone or something) from having encountered them before; know again.
"I recognized her when her wig fell off"

2. acknowledge the existence, validity, or legality of.
"the defense is recognized in Mexican law"

Similar: acknowledge accept admit concede allow grant confess

Definitions from Oxford Languages

(a) In **Hunter** paragraph [0013], the Camera is ***recognizing* a trigger event**. In applicant's claim 1, the Camera is **Sending** an event notification.

(b) Recognizing an event trigger (Hunter) is not same as Sending an event notification in applicant's claim 1.

(c) **Recognize is not the same as Sending**

(d) In Hunter paragraph [0013], the Camera is recognizing a trigger event sent by the phone and then the camera is acquiring the image.

(e) In applicant's claim 1, the Camera is Sending an event notification, for the image that has already been acquired.

(f) In Hunter paragraph [0013], the "event trigger" is to acquire an image.

(g) In applicant's claim 1, the "event notification" corresponds to the image that has already been acquired.

(h) Receiving an Event trigger to acquire an image is not same as sending an event notification for the image already acquired.

Note: See extract of office action reproduced below and applicant's response:

wherein detecting and receiving new-data acquired in the Bluetooth enabled data capture device comprises: said mobile software application for the Bluetooth enabled cellular phone configured to listen for an event notification (**Hunter: programming a camera and a communications device to recognize a trigger event; one of the camera and the communications device recognizing occurrence of the trigger event, and communicating with the other of the camera and the communications device by a wireless link therebetween [0013]**),

sent from the Bluetooth enabled data capture device, over the established paired Bluetooth connection, wherein the event notification corresponds to the acquired new-data and

Therefore, even if Hunter and Pietruszka are combined as suggested in the office action, the combination will not teach or suggest the following limitations in claim 1:

“said mobile software application for the Bluetooth enabled cellular phone configured to listen for an event notification, sent from the Bluetooth enabled data capture device, over the established paired Bluetooth connection, wherein the event notification corresponds to the acquired new-data and comprises sending a signal from the Bluetooth enabled data capture device to the Bluetooth enabled cellular phone;”

Argument 4

Furthermore, Hunter does not teach establishment of a paired Bluetooth connection. Applicant provides the following arguments to illustrate this.

Establishment of non-paired connection (Hunter)

versus

Establishment of paired Bluetooth connection (Applicant)

The office action on page 6 states that Hunter teaches the step of acquiring new-data after establishing the paired Bluetooth connection between the Bluetooth enabled data capture device and the Bluetooth enabled cellular phone. Applicant respectfully disagrees and presents the following arguments.

Hunter prior art does NOT teach pairing or paired connection. There is NO disclosure or recitation of the word pair, pairing, or paired in the Hunter specification.

Argument 5

Furthermore, applicant submits that there is no phone call trigger event in applicant's invention. By way of arguments:

Receiving or making Phone call trigger event (Hunter)

versus

NO such Phone call trigger event (Applicant)

The office action on page 6 states that Hunter teaches the step of acquiring new-data after establishing the paired Bluetooth connection between the Bluetooth enabled data capture device and the Bluetooth enabled cellular phone. Applicant respectfully disagrees and presents the following arguments.

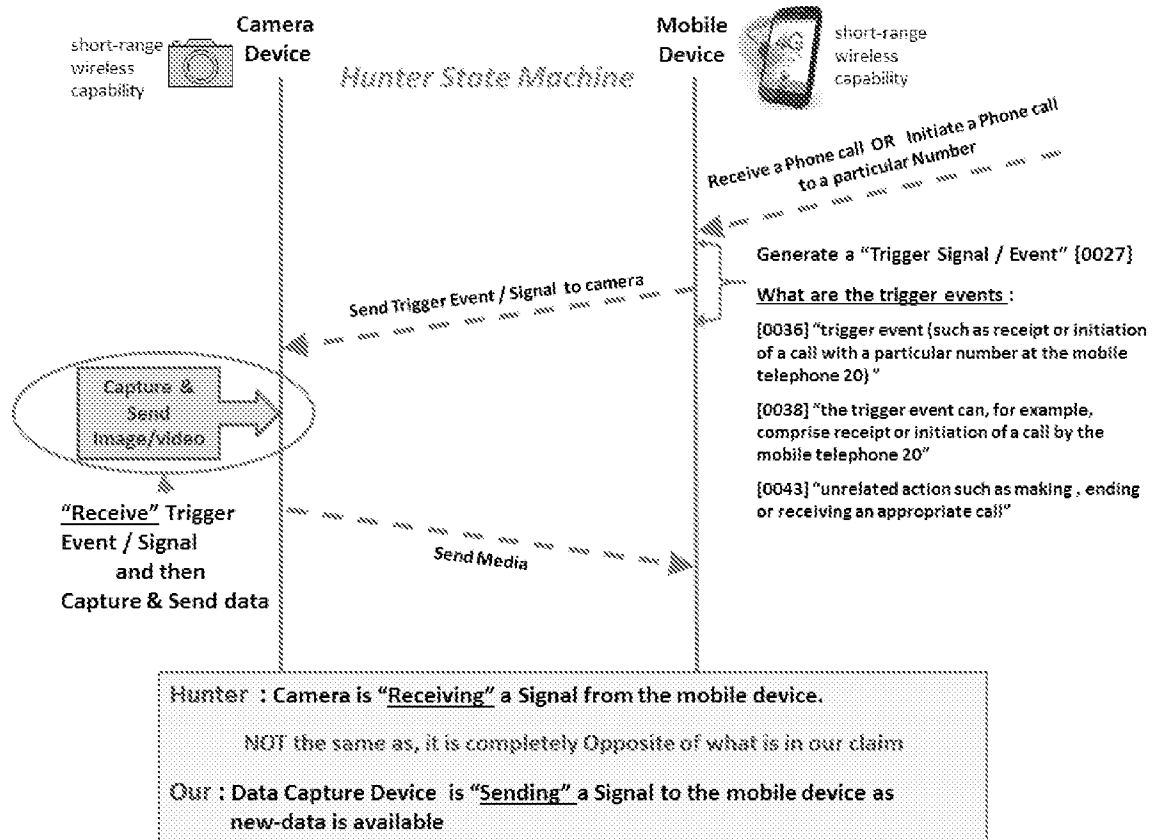
The sequence of events in Hunter is as follows:

- (i) Mobile device generates a trigger event or signal in response to a phone call received by the mobile device or a phone call made by the mobile device.
- (ii) Sends the trigger event or signal from the mobile device to the data capture device.
- (iii) Only after receipt of the trigger event or signal from the mobile device, the data capture device acquires new-data and transmits the same to the mobile device for onward transfer to a website or web service.

Firstly, in Hunter, there is NO pairing of the mobile device by the data capture device. Next, there is NO cryptographic authentication of the mobile device by the data capture device. Next, in Hunter, receipt of a phone call or an outgoing phone call is required for the mobile device to generate a trigger event or signal to be sent to the data capture device.

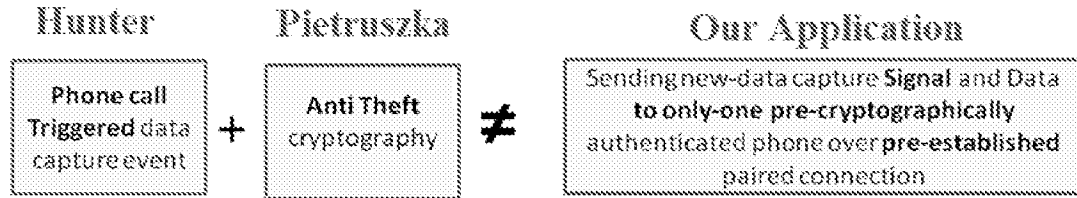
Next, in Hunter, the data capture device acquires new-data only after it receives the trigger event or signal from the mobile device. This is in direct contrast to applicant's disclosure where a data capture device acquires new-data after a paired Bluetooth wireless connection is established with a cellular phone (without any phone call trigger event from the cellular phone to the data capture device).

Next, in Hunter, the phone call trigger event is sent from the mobile device to the data capture device. This is in direct contrast to applicant's disclosure, where, after acquiring the new-data, the data capture device sends a notification signal to the mobile device informing the mobile device that it has acquired the new-data.



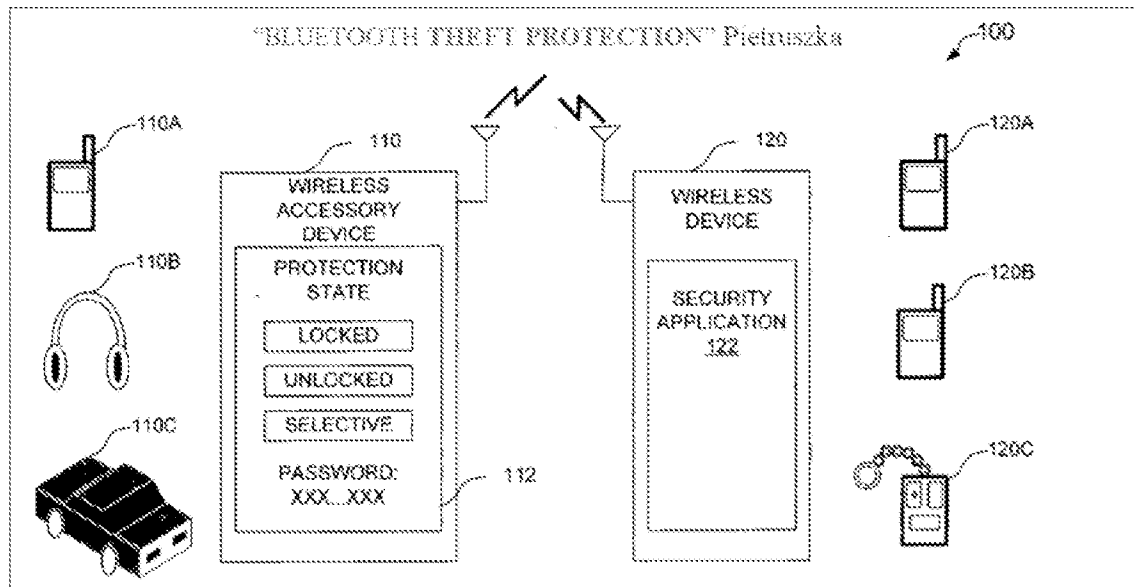
Argument 6

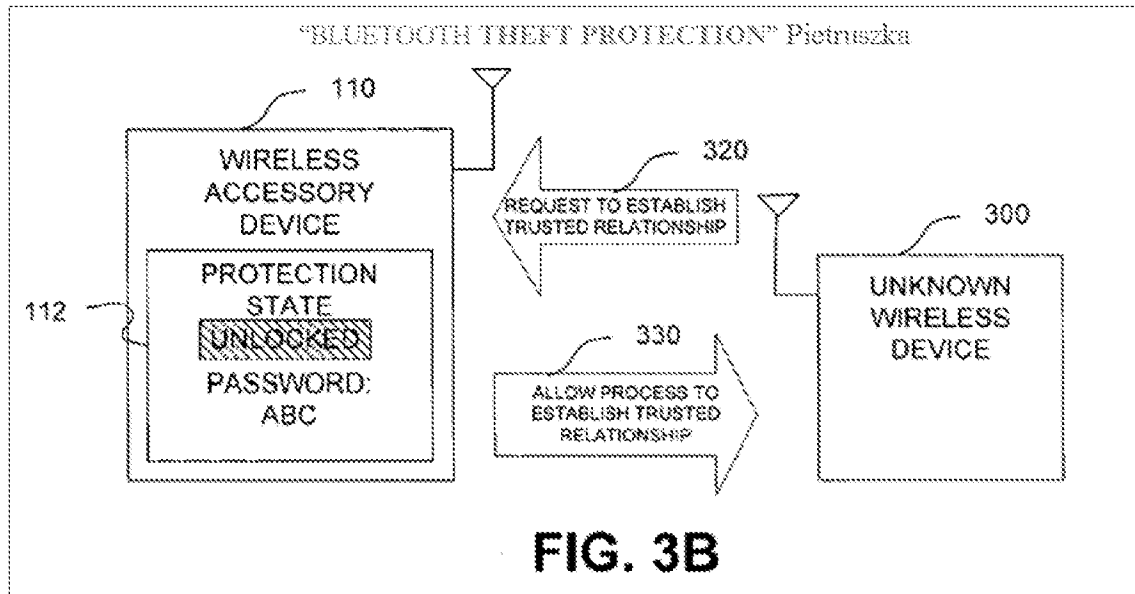
Furthermore, there is no motivation to combine (i) Phone call triggered data capture event of Hunter with (ii) the Anti-Theft Pietruszka teaching.



Anti-theft setting-based control of cryptographic pairing between devices in Pietruszka is not relevant in applicant's scenario. By way of arguments:

**Anti-Theft Pietruszka Setting based control of cryptographic pairing
between devices is NOT relevant in applicant's scenario**





Pietruszka (“BLUETOOTH THEFT PROTECTION”) discloses, inter alia, the following:

- (a) User pre-selects whether or not a wireless communications device is allowed to establish a cryptographic pairing with a remote device.
- (b) Control whether the wireless communications device is able to establish a cryptographic pairing with a remote device according to the pre-set operational state; see Pietruszka claim 1, and Paragraph [0005].

Pietruszka teaches inter alia a setting-based control of cryptographic pairing between devices and it is not applicable in applicant’s scenario. Applicant is NOT using a setting-based control for cryptographic pairing between devices.

Applicant is not implementing any anti-theft technology. Applicant is not interested in a car or a key fob, or someone else hacking the car to steal it or the car accessories.

Pietruszka teaches inter alia an anti-theft technology and is not applicable in applicant's scenario. Applicant is NOT using pre-set operational state based cryptographic pairing for anti-theft purposes for car or car accessories.

Furthermore, in Pietruszka, car or a key fob is "NOT a data capture device" and does not send any data through the mobile phone to the internet.

In Pietruszka there is NO data capture device. Car or a key fob device described in Pietruszka is used as a theft control device. The car or a key fob device is NOT capturing any data for transfer through the mobile device.

Furthermore, in Pietruszka, NO new-data is acquired for sending to the mobile phone after establishing the paired Bluetooth wireless connection. Pietruszka's invention pertains primarily to theft protection based on pre-set operational state of the device in its proximity.

Furthermore, there is NO motivation to combine an anti-theft system disclosed in Pietruszka with Hunter to capture data and send data to a website using a cellphone.

Argument 7

Furthermore, applicant submits that the following limitation in claim 1 is also not taught or suggested by Hunter, in view of Pietruszka:

"wherein the event notification corresponds to the acquired new-data and comprises sending a signal from the Bluetooth enabled data capture device to the Bluetooth enabled cellular phone;"

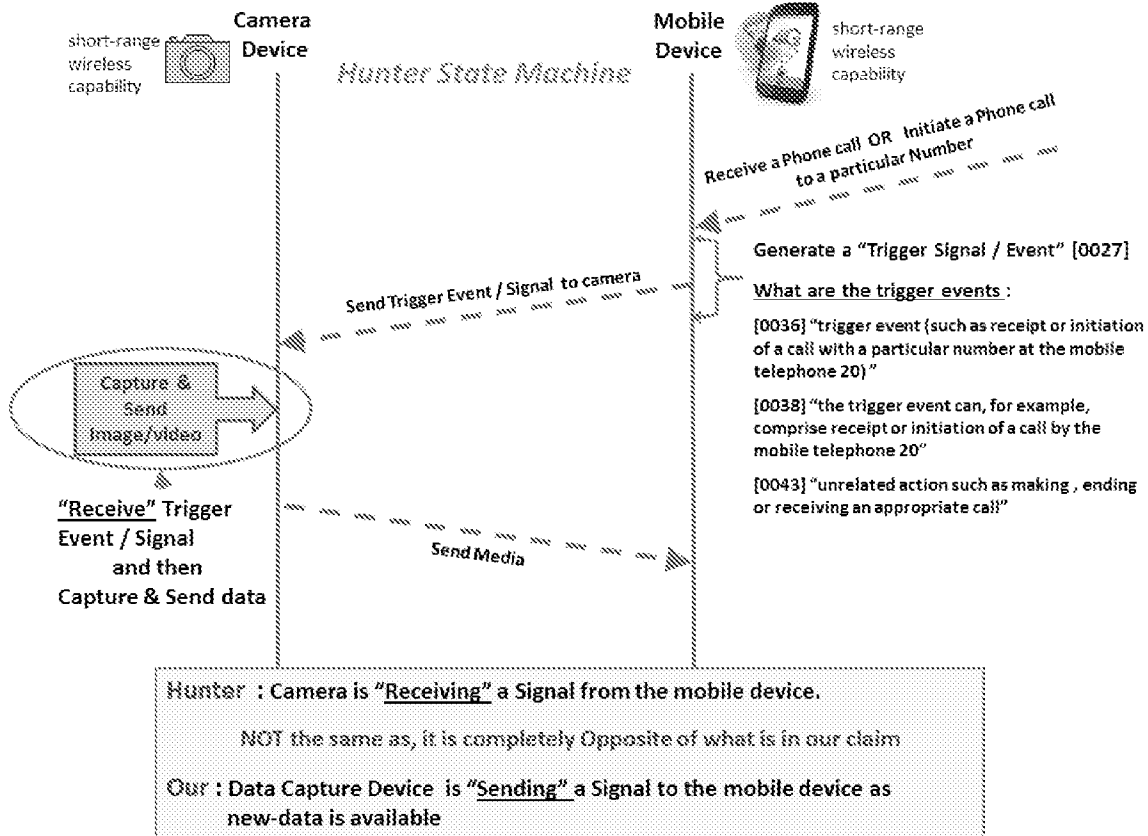
By way of explanation, applicant submits the following arguments:

In claim 1, applicant discloses that after establishing the paired Bluetooth connection between the Bluetooth enabled data capture device and the cryptographically authenticated Bluetooth enabled cellular phone, and after acquiring new-data, the Bluetooth enabled data capture device sends the event notification and the acquired new-data to the cryptographically authenticated Bluetooth enabled cellular phone.

The office action on page 7 states that paragraph [0013] of Hunter teaches: “receiving an event notification by the cryptographically authenticated Bluetooth enabled cellular phone”. Applicant respectfully disagrees and presents the following arguments.

Paragraph [0013] of Hunter states as follows: “programming a camera and a communications device to recognize a trigger event; one of the camera and the communications device recognizing occurrence of the trigger event, and communicating with the other of the camera and the communications device by a wireless link therebetween; transferring images between the camera and the communications device over the wireless link; and transferring said images from the communications device on to a data network through a data network interface.”

Hunter state machine is again reproduced below to explain paragraph [0013]:



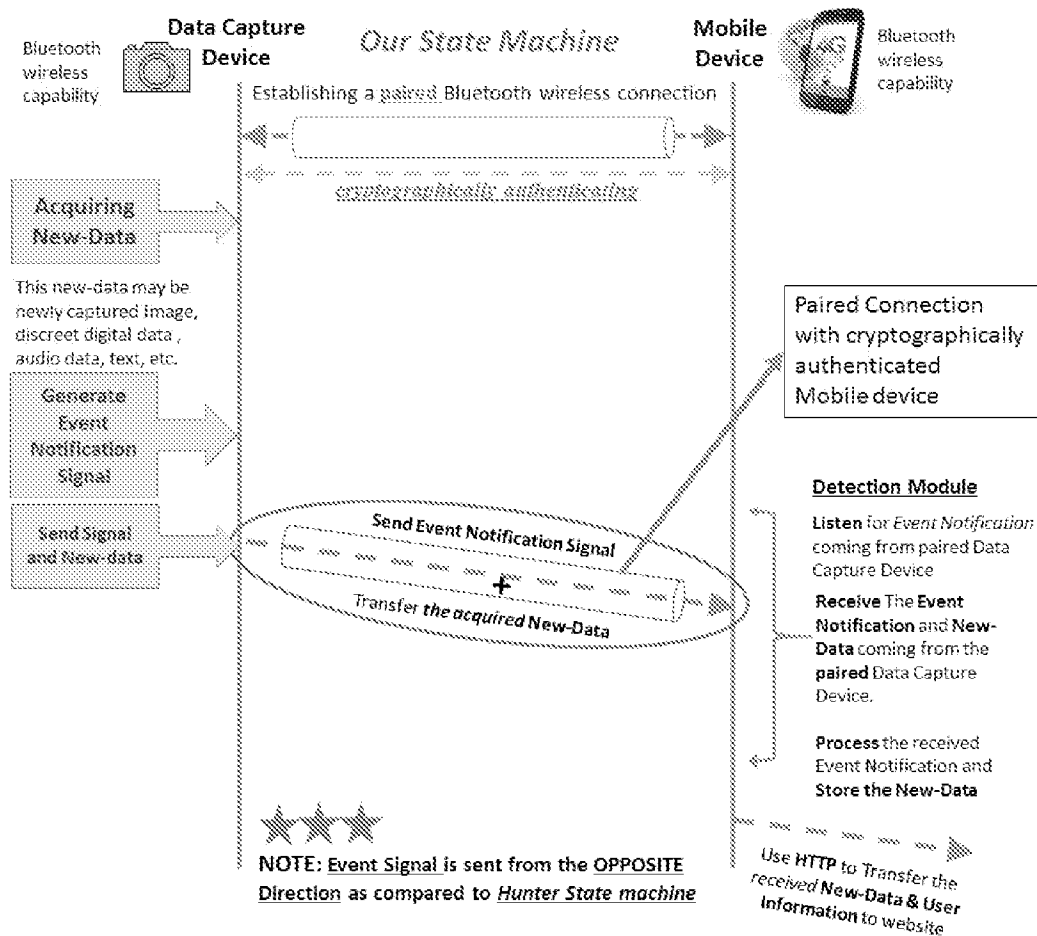
First, in Hunter, there is NO cryptographic authentication of the mobile device by the data capture device before the signal is sent or the data is sent. Next, in Hunter, receipt of a phone call or an outgoing phone call is required for the mobile device to generate a trigger event or signal to be sent to the data capture device.

Next, in Hunter, the data capture device acquires new-data only after it receives the trigger event or signal from the mobile device. This is in direct contrast to applicant's disclosure where a Bluetooth enabled data capture device acquires new-data after a Bluetooth connection is established with a cellular phone (without any phone call trigger event from the Bluetooth enabled cellular phone to the Bluetooth enabled data capture device).

Next, in Hunter, the phone call trigger event is sent from the mobile device to the data capture device. An event signal is sent in the opposite direction when compared to

the applicants claims. The direction of the event signal is in direct contrast to applicant's disclosure, where, after acquiring the new-data, the data capture device sends a notification signal to the mobile device informing the mobile device that it has acquired the new-data.

In contrast, applicant's state machine is shown below.



Therefore, it is clear that the trigger notification in Hunter is not the same as the event notification in applicant's disclosure. Furthermore, in Hunter, receipt of a phone call or an outgoing phone call is required for the mobile device to generate the trigger event to be sent to the camera. Furthermore, in Hunter, the camera acquires new-data

only after it receives the trigger event or signal from the mobile device. This is in direct contrast to applicant's disclosure where the Bluetooth enabled data capture device acquires new-data immediately after the paired Bluetooth connection is established (without any phone call trigger event from the mobile device). Furthermore, in Hunter, the trigger event or signal is sent from the mobile device to the camera, and image capture occurs after receiving the trigger event. This is in direct contrast to applicant's disclosure, where, after acquiring the new-data, the Bluetooth enabled data capture device sends the notification signal to the Bluetooth enabled mobile device informing the Bluetooth enabled mobile device that it has acquired the new-data.

Therefore, applicant submits that the following limitation in claim 1 is also not taught or suggested by Hunter, in view of Pietruszka:

“wherein the event notification corresponds to the acquired new-data and comprises sending a signal from the Bluetooth enabled data capture device to the Bluetooth enabled cellular phone;”

Argument 8

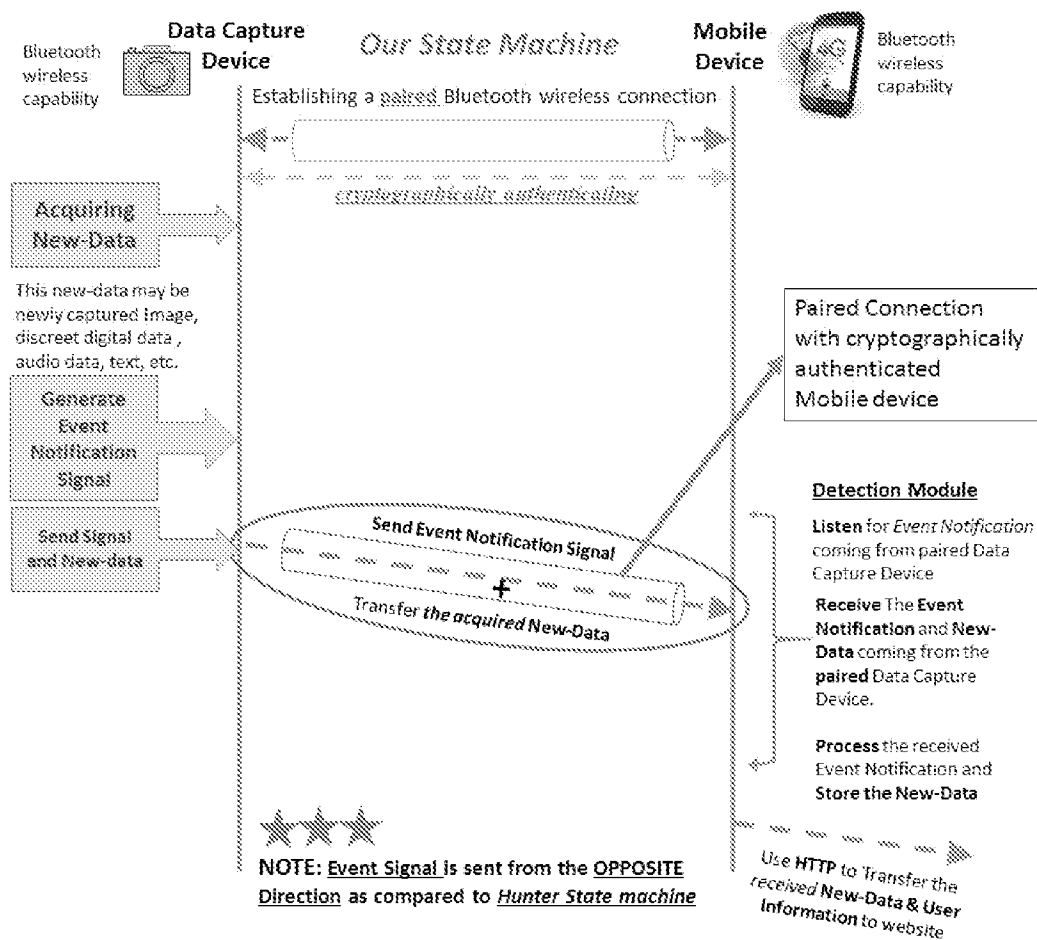
Furthermore, the phone call Trigger event in Hunter (see paragraphs [0036], [0038], [0043]) is over a NON paired connection. By way of explanation:

As illustrated before, in Hunter, there is no cryptographic authentication of the mobile device by the camera. Furthermore, in Hunter, receipt of a phone call or an outgoing phone call is required for the mobile device to generate the trigger event or signal to be sent to the camera. Furthermore, in Hunter, the camera acquires the new-data only after it receives the trigger event or signal from the mobile device. This is in direct contrast to applicant's disclosure where the data capture device acquires the new-data immediately after a paired Bluetooth connection is established, without any phone call trigger event from the Bluetooth enabled mobile device. Furthermore, in Hunter, the phone call trigger event or signal is sent from the mobile device to the camera. This is in

direct contrast to applicant's disclosure, where, after acquiring the new-data, the data capture device sends the notification signal and the acquired new-data to the mobile device.

Summary

Applicant's state machine



	Claim Feature	Harter	Pietruszka	Applicant
1	Pairing for new-data transfer.	<u>NO</u> mention of pairing. Pairing is <u>NOT</u> established. <u>Teaching away</u> from establishing permanent connection.	<u>NO</u> Invention is about <u>selecting or preventing, and controlling</u> pairing between devices. Not for new-data transfer.	<u>YES</u> Pairing is established to transfer the acquired new-data.
2	Cryptographically authenticate the identity of Mobile Device	<u>NO</u>	<u>YES</u> <u>Only if wireless communication device is unlocked for pairing.</u>	<u>YES</u> The Mobile device is cryptographically authenticated by the data capture device for future data transfer. <u>NOT based on pre-selection of activation and deactivation for pairing.</u>
3	Sending new data capture Event Notification Signal	<u>NO</u> <u>Trigger Event Signal is sent from the mobile device to the camera device, which is opposite to applicant's invention.</u>	<u>NO</u> There is no data capture event signal sent to the mobile phone. There is No data capture device.	<u>YES</u> Event Notification signal is sent <u>from data capture device to cellular phone after acquiring new-data</u>
4	<u>Send data and selected advertisements</u> to the mobile device over a <u>pre-established</u> connection	<u>NO</u>	<u>NO</u> <u>There is no data or advertisements to transfer.</u>	<u>YES</u> <u>Data and selected advertisements sent over Paired wireless connection</u>
4	HTTP based transfer	<u>NO</u> HTTP is <u>NOT</u> used	<u>NO</u> <u>There is no data or advertisements to transfer.</u>	<u>YES</u> HTTP is used as a data transport protocol
5	Is <u>Timing</u> of Data Acquisition after Pairing devices	<u>NO</u>	<u>NO</u>	<u>YES</u> <u>After</u> pairing is established
6	Data transfer between two devices happens <u>over what type of wireless link?</u>	<u>NON-Paired</u> wireless connection	<u>No data or advertisements to transfer.</u>	<u>Data and selected advertisements over Paired wireless connection</u>

In view of the arguments presented above, the following limitations in claim 1 are not taught or suggested by Hunter, in view of Pietruszka:

“a mobile software application for a Bluetooth enabled cellular phone, wherein the mobile software application is embodied as executable program instructions that, when executed by a processor of the Bluetooth enabled cellular phone, configured to:

display a mobile advertisement inside the mobile software application;”

“a mobile software application advertising software module, wherein the mobile software application advertising software module selects advertisements based on the user profile and sends the selected advertisements to the mobile software application;”

“use Hypertext Transfer Protocol to transfer the received new-data along with a user authentication credential to a remote server over a cellular data network;”

“a user authentication software module, wherein the user authentication software module processes the user authentication credential received from the mobile software application;”

“said mobile software application for the Bluetooth enabled cellular phone configured to listen for an event notification, sent from the Bluetooth enabled data capture device, over the established paired Bluetooth connection, wherein the event notification corresponds to the acquired new-data and comprises sending a signal from the Bluetooth enabled data capture device to the Bluetooth enabled cellular phone;”

Claim 1 is therefore non-obvious over Hunter, in view of Pietruszka. Applicant therefore respectfully requests that the rejection of claim 1 under pre-AIA 35 U.S.C. 103(a) be reconsidered and withdrawn.

Argument 9

Claim 8 is analogous to claim 1. Since claim 1 is non-obvious over Hunter, in view of Pietruszka, applicant respectfully submits claim 8 is also non-obvious over Hunter, in view of Pietruszka. Applicant therefore respectfully requests that the rejection of claim 8 under pre-AIA 35 U.S.C. 103(a) be reconsidered and withdrawn.

Furthermore, claim 14 is analogous to claim 1. In addition, the following limitation in claim 14 is not taught or suggested by Hunter, in view of Pietruszka:

“said mobile software application for the Bluetooth enabled cellular phone configured to poll the Bluetooth enabled data capture device for new-data, over the established paired Bluetooth connection, wherein polling comprises sending a request to the Bluetooth enabled data capture device to check if the acquired new-data is available for transfer;”

In claim 14, the Bluetooth enabled cellular phone sends a polling request to the Bluetooth enabled data capture device, over an established paired Bluetooth connection, to detect new-data for transfer from the paired Bluetooth connection to the paired and cryptographically authenticated Bluetooth enabled cellular phone.

As illustrated before, in Hunter, receipt of a phone call or an outgoing phone call is required for the mobile device to generate the trigger event or signal to be sent to the camera. Furthermore, in Hunter, the camera acquires the new-data only after it receives the trigger event or signal from the mobile device. In contrast, in applicant’s disclosure, the polling request from the mobile phone to the camera is for detecting already acquired new data.

In view of argument presented above, applicant submits that Hunter, in view of Pietruszka does not teach or suggest the following limitation in claim 14:

“said mobile software application for the Bluetooth enabled cellular phone configured to poll the Bluetooth enabled data capture device for new-data, over the established paired Bluetooth connection, wherein polling comprises sending a request to the Bluetooth enabled data capture device to check if the acquired new-data is available for transfer;”

Therefore, claim 14 is non-obvious over Hunter, in view of Pietruszka. Applicant therefore respectfully requests that the rejection of claim 14 under pre-AIA 35 U.S.C. 103(a) be reconsidered and withdrawn.

Argument 10

Claims 2-3 and 5-7 are dependent on claim 1. Claims 9-13 are dependent on claim 8. Claims 15-19 are dependent on claim 14. Since claims 1, 8 and 14 are non-obvious over Hunter, in view of Pietruszka, claims 2-3, 5-7, 9-13 and 15-19 are also non-obvious over Hunter, in view of Pietruszka. Applicant therefore respectfully requests that the rejection of claims 2-3, 5-7, 9-13 and 15-19 under pre-AIA 35 U.S.C. 103(a) be reconsidered and withdrawn.

The office action further states: **“Claim 4 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Hunter US 20040005915 in view of Pietruszka US 20070226778 further in view of Risbood US 20070111748.”**

In an earlier part of this response, arguments were presented to illustrate that Hunter, in view of Pietruszka does not teach or suggest the following limitations in claim 1:

“a mobile software application for a Bluetooth enabled cellular phone, wherein the mobile software application is embodied as executable program instructions that, when executed by a processor of the Bluetooth enabled cellular phone, configured to:

display a mobile advertisement inside the mobile software application;”

“a mobile software application advertising software module, wherein the mobile software application advertising software module selects advertisements based on the user profile and sends the selected advertisements to the mobile software application;”

“use Hypertext Transfer Protocol to transfer the received new-data along with a user authentication credential to a remote server over a cellular data network;”

“a user authentication software module, wherein the user authentication software module processes the user authentication credential received from the mobile software application;”

“said mobile software application for the Bluetooth enabled cellular phone configured to listen for an event notification, sent from the Bluetooth enabled data capture device, over the established paired Bluetooth connection, wherein the event notification corresponds to the acquired new-data and comprises sending a signal from the Bluetooth enabled data capture device to the Bluetooth enabled cellular phone;”

Risbood does not remedy the deficiencies in a combination of Hunter and Pietruszka. Therefore, Hunter, in view of Pietruszka, further in view of Risbood, does not teach or suggest the following limitations in claim 1:

“a mobile software application for a Bluetooth enabled cellular phone, wherein the mobile software application is embodied as executable program instructions that, when executed by a processor of the Bluetooth enabled cellular phone, configured to:

display a mobile advertisement inside the mobile software application;”

“a mobile software application advertising software module, wherein the mobile software application advertising software module selects advertisements based on the user profile and sends the selected advertisements to the mobile software application;”

“use Hypertext Transfer Protocol to transfer the received new-data along with a user authentication credential to a remote server over a cellular data network;”

“a user authentication software module, wherein the user authentication software module processes the user authentication credential received from the mobile software application;”

“said mobile software application for the Bluetooth enabled cellular phone configured to listen for an event notification, sent from the Bluetooth enabled data capture device, over the established paired Bluetooth connection, wherein the event notification corresponds to the acquired new-data and comprises sending a signal from the Bluetooth enabled data capture device to the Bluetooth enabled cellular phone;”

Therefore, even if Hunter, Pietruszka and Risbood are combined as suggested in the office action, the combination will not teach or suggest the above limitations in claim 1. Claim 1 is therefore non-obvious over Hunter, in view of Pietruszka, further in view of Risbood. Applicant therefore respectfully requests that the rejection of claim 1 under pre-AIA 35 U.S.C. 103(a) be reconsidered and withdrawn.

Claim 4 is dependent on claim 1. Since claim 1 is non-obvious over Hunter, in view of Pietruszka, further in view of Risbood, claim 4 is also non-obvious over Hunter, in view of Pietruszka, further in view of Risbood. Applicant therefore respectfully requests that the rejection of claim 4 under pre-AIA 35 U.S.C. 103(a) be reconsidered and withdrawn.

Conclusion

Applicant respectfully requests that a timely Notice of Allowance be issued in this case. In the interest of compact prosecution, if the prosecution of the application can be advanced, applicant requests Examiner Nooristany to call the undersigned with the proposed amendment.

Respectfully submitted,

Date: January 09, 2023

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/542,373	12/04/2021	Gurvinder Singh	CellSpin_04Con18	1760
64188	7590	10/13/2022	EXAMINER	
ASHOK TANKHA			NOORISTANY, SULAIMAN	
36 GREENLEIGH DRIVE			ART UNIT	PAPER NUMBER
SEWELL, NJ 08080			2415	
			NOTIFICATION DATE	DELIVERY MODE
			10/13/2022	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):

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docketing1@ipprocurement.com
docketing@ipprocurement.com

a Notice of Pre-AIA or AIA Status

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

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the “right to exclude” granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory double patenting rejection is appropriate where the claims at issue are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the reference application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement. A terminal disclaimer must be signed in compliance with 37 CFR 1.321(b).

The USPTO internet Web site contains terminal disclaimer forms which may be used. Please visit <http://www.uspto.gov/forms/>. The filing date of the application will determine what

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form should be used. A web-based eTerminal Disclaimer may be filled out completely online using web-screens. An eTerminal Disclaimer that meets all requirements is auto-processed and approved immediately upon submission. For more information about eTerminal Disclaimers, refer to <http://www.uspto.gov/patents/process/file/efs/guidance/eTD-info-I.jsp>.

1. **Claims 1-19** are provisionally rejected on the ground of nonstatutory double patenting as being unpatentable over claims of Parent Application(s) No. **12333303, 13740214, 14172913, 14273546, 14503401, 14576202, 15659637, 16532507**. Although the claims at issue are identical, they are not patentably distinct from each other because they are same variants of each other.

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 1-19 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. More specifically, the applicant fails to sufficiently point out or describe **display a mobile advertisement inside the mobile software application & touch-based advertisement targeted to a user.**

The specification of this application under examination does not contain subject matter to implement limitations, as cited in the following claims.

It is not apparent how “display a mobile advertisement inside the mobile software application” as recited in claim 1 & touch-based advertisement targeted to a user as recited in claim 6, is determined.

Examiner has reviewed the specification of this application under examination (and OCR whole document) and could not find support for the additional limitations as claimed.

Specification Objection

The disclosure is objected to because of the following informalities: Examiner has reviewed the specification of this application under examination and could not find support for the additional limitations as claimed “display a mobile advertisement inside the mobile software application” & touch-based advertisement targeted to a user. Appropriate correction is required.

Claim Rejections - 35 USC § 112

The following is a quotation of 35 U.S.C. 112(b):

(b) CONCLUSION. —The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the inventor or a joint inventor regards as the invention.

The following is a quotation of 35 U.S.C. 112 (pre-AIA), second paragraph:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-19 are rejected under 112, second paragraph as being indefinite for failing to particularly point and distinctly claim the subject matter which applicant regards as the invention

In claim 1, the terms “display a mobile advertisement inside the mobile software application” & touch-based advertisement targeted to a user are not clear what these are in reference to. Also, the description of the present application fails to provide a clear and complete description on the invention as well as the above terms. However, the claims will be given a broad reasonable interpretation for the purposes of examination as best understood.

Claims 2-19 is rejected for similar reasons as stated for claim 1.

Claim Rejections - 35 USC § 103

In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any correction of the statutory basis for the rejection will not be considered a new ground of rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

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, 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.

Claim 1-3, 5-7 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Hunter US 20040005915 in view of Pietruszka US 20070226778.

1. A system, comprising:

a mobile software application for a Bluetooth enabled cellular phone, wherein the mobile software application is embodied as executable program instructions that, when executed by a processor of the Bluetooth enabled cellular phone (**Hunter fig. 1, unit 10**), configured to:

detect and receive new-data acquired in a Bluetooth enabled data capture device, wherein the new-data is data acquired by the Bluetooth enabled data capture device after establishing a paired Bluetooth connection between the Bluetooth enabled data capture device and the Bluetooth enabled cellular phone (**Hunter: [0017-0027, 0036-0037] After the data link is established, the camera 10 can transmit (via the wireless communication link 16), in response to a trigger event, video or still image data representative of images stored in or being captured thereby, either continuously or periodically, for receipt by the mobile telephone [0038]),**

wherein establishing the Bluetooth paired connection comprises the Bluetooth enabled data capture device *[[cryptographically]]* authenticating an identity of the Bluetooth enabled cellular phone,

wherein detecting and receiving new-data acquired in the Bluetooth enabled data capture device comprises: said mobile software application for the Bluetooth enabled cellular phone configured to listen for an event notification (**Hunter: programming a camera and a communications device to recognize a trigger event; one of the camera and the communications device recognizing occurrence of the trigger event, and communicating with the other of the camera and the communications device by a wireless link therebetween [0013]),**

sent from the Bluetooth enabled data capture device, over the established paired Bluetooth connection, wherein the event notification corresponds to the acquired new-data and

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comprises sending a signal from the Bluetooth enabled data capture device to the Bluetooth enabled cellular phone notification (**Hunter: when the mobile telephone is switched on, it may transmit a signal for receipt and acknowledgement by the camera 10 to establish a data link between the two units. Alternatively, the camera 10 may periodically transmit a signal which is received and acknowledged by the mobile telephone 20 to establish a data link between the two units when it is switched on and/or comes within a predetermined distance of the camera 10 [0017-0027, 0036-0037]); and**

said mobile software application for the Bluetooth enabled cellular phone configured to receive, from the Bluetooth enabled data capture device, the event notification and the acquired new-data over the established paired Bluetooth connection (**Hunter: programming a camera and a communications device to recognize a trigger event; one of the camera and the communications device recognizing occurrence of the trigger event, and communicating with the other of the camera and the communications device by a wireless link therebetween [0013]);**

store the received new-data in a memory of the Bluetooth enabled cellular phone (**Hunter: After the data link is established, the camera 10 can transmit (via the wireless communication link 16), in response to a trigger event, video or still image data representative of images stored in or being captured thereby, either continuously or periodically, for receipt by the mobile telephone [0038]);**

use Hypertext Transfer Protocol to transfer the received new-data along with a user authentication credential to a remote server over a cellular data network (**Hunter: transferring said images from the communications device on to a data network through a data network interface [0013, 0035, 0041]); and**

display a mobile advertisement inside the mobile software application (**Hunter: [0025]**);
an online data publishing web service, the online data publishing web service comprising:
said remote server configured with a network internet connection to communicate with the
mobile software application (**Hunter: fig. 1 unit 20**);

a user authentication software module, wherein the user authentication software module
processes the user authentication credential received from the mobile software application
(**Hunter: The wireless link may be pre-existing, or may be set up only on the initiation of
the call [0017-0027, 0036-0037, 0039-0040]**);

a database, wherein the database stores a user profile; and a mobile software application
advertising software module, wherein the mobile software application advertising software
module selects advertisements based on the user profile and sends the selected advertisements to
the mobile software application (**Hunter: fig. 1 unit 20**);

said online data publishing web service configured to receive the new-data and the user
authentication credential from the Bluetooth enabled cellular phone via the Hypertext Transfer
Protocol; and said online data publishing web service configured to process the received user
authentication credential and the new-data (**Hunter: fig. 1 unit 20**).

Hunter merely discloses the term *cryptographically* authenticating

Pietruszka further teaches cryptographically authenticating (**Pietruszka: [0037]**); store
the user authentication credential in the second memory device (Pietruszka fig. 9A-9D) and
provide a touch based graphical user interface for the received new-data (Pietruszka [0099-
0110]) in order to communicate only with a trusted device can cryptographically authenticate the
identity of the other device.

Thus, it would have been obvious to one skill in the art to include the above recited limitation into Hunter's in order to communicate only with a trusted device can cryptographically authenticate the identity of the other device [0037], as taught by Pietruszka.

2. The system of claim 1, wherein the user authentication credential is stored in the memory of the Bluetooth enabled cellular phone, and wherein the user authentication credential is used by the remote server to authenticate a user (**Hunter: [0025], Pietruszka: [0037]**).

3. The system of claim 1, wherein the remote server is further configured to store the new-data (**Hunter: [0013, 0025, 0038] fig. 1, unit 20**).

5. The system of claim 1, wherein the mobile software application provides a touch-based GUI for the received new-data (**Hunter: [0013, 0025] fig. 1, unit 20**).

6. The system of claim 1, wherein the mobile software application provides a touch-based advertisement targeted to a user (**Hunter: [0013, 0025] fig. 1, unit 20**).

7. The system of claim 1, wherein the mobile advertisement is based on the user profile (**Hunter: [0013, 0025] fig. 1, unit 20**)

Claim 4 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Hunter US 20040005915 in view of Pietruszka US 20070226778 further in view of Risbood US 20070111748

4. The system of claim 1, wherein the mobile software application is further configured to use the Hypertext Transfer Protocol to send a user preference to the remote server over the cellular data network, and *[[wherein the user preference comprise global positioning system information]]* (**Hunter: [0031]**)

Risbood further teaches wherein the user preference comprise global positioning system information (**Risbood: fig. 3, unit 340-350 [0027]**) in order to connect directly to the resident server using the well-known HTTP or TCP/IP protocols, and with conventional authentication and encryption can upload the data

Thus, it would have been obvious to one skill in the art to include the above recited limitation into Hunter's invention in order to connect directly to the resident server using the well-known HTTP or TCP/IP protocols, and with conventional authentication and encryption can upload the data [0027], as taught by Risboot.

Regarding claims 8-19 the independent claim and each dependent claim are related to the same limitation set for hereinabove in claims 1-7, where the difference used and the wordings of the claims were interchanged within the claim itself or some of the claims were presented as a combination of two or more previously presented limitations. This change does not affect the limitation of the above treated claims. Adding these phrases to the claims and interchanging the wording did not introduce new limitations to these claims. Therefore, these claims were rejected for similar reasons as stated above

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sulaiman Nooristany whose telephone number is 571-270-1929. The examiner can normally be reached on Monday thru Friday: 8:30am to 5:00pm (EST). If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeff Rutkowski can be reached on 571-270-1215. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. 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. 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.

/SULAIMAN NOORISTANY/

Primary Examiner, Art Unit 2415

<i>Notice of References Cited</i>	Application/Control No. 17/542,373		Applicant(s)/Patent Under Reexamination Singh et al.	
	Examiner SULAIMAN NOORISTANY		Art Unit 2415	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-20040005915-A1	01-2004	Hunter, Andrew Arthur	H04M1/72412	455/575.1
*	B	US-20070226778-A1	09-2007	Pietruszka; Jorg	H04L63/104	726/2
*	C	US-20070111748-A1	05-2007	Risbood; Pankaj	H04W24/06	455/423
	D					
	E					
	F					
	G					
	H					
	I					
	J					
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

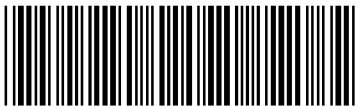
*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

<i>Index of Claims</i> 	Application/Control No. 17/542,373	Applicant(s)/Patent Under Reexamination Singh et al.
	Examiner SULAIMAN NOORISTANY	Art Unit 2415

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

CLAIMS										
☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47										
CLAIM		DATE								
Final	Original	10/06/2022								
	1	✓								
	2	✓								
	3	✓								
	4	✓								
	5	✓								
	6	✓								
	7	✓								
	8	✓								
	9	✓								
	10	✓								
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<i>Search Notes</i> 	Application/Control No. 17/542,373	Applicant(s)/Patent Under Reexamination Singh et al.
	Examiner SULAIMAN NOORISTANY	Art Unit 2415

CPC - Searched*		
Symbol	Date	Examiner
h04w8/24,H06f17/00	10/06/2022	SN

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	Date	Examiner
Tech Search, Google, Inventor Search, US PGPUB, USPAT, FPRS, JPO, DERWENT	10/06/2022	SN

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner

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Bibliographic Data

Application No: 17/542,373

Foreign Priority claimed: ☐ Yes ☒ No

35 USC 119 (a-d) conditions met: ☐ Yes ☒ No

☐ Met After Allowance

Verified and Acknowledged:

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NOORISTANY/

Examiner's Signature

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Title:

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FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
12/04/2021	370	2415	CellSpin_04Con18
RULE			

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CONTINUING DATA

This application is a CON of 16532507 08/06/2019 PAT 11234121

16532507 is a CON of 15659637 07/26/2017 PAT 10425806

15659637 is a CON of 14576202 12/19/2014 PAT 9749847

14576202 is a CON of 14503401 10/01/2014ABN

14503401 is a CON of 14273546 05/09/2014 PAT 8862757

14273546 is a CON of 14172913 02/05/2014 PAT 8798539

14172913 is a CON of 13740214 01/13/2013 PAT 8700790

13740214 is a CON of 12333303 12/11/2008 PAT 8392591

12333303 has PRO of 61017202 12/28/2007

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

12/15/2021

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