

To:	Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
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In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Southern District of California on the following: X Patents or Trademarks:

DOCKET NO.	DATE FILED	US District Court Southern District of California
3:22-cv-00412-LL-KSC	3/29/22	San Diego, CA
PLAINTIFF		DEFENDANT
Samesurf, Inc.		Intuit, Inc.
PATENT OR TRADEMARK NO.	PATENT OR TRADEMARK NO.	PATENT OR TRADEMARK NO.
1. 9,483,448	6.	11.
2. 9,185,145	7.	12.
3. 8,527,591	8.	13.
4.	9.	14.
5.	10.	15.

In the above-entitled case, the following patents(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY	
	<u> </u> Amendment <u> </u> Answer <u> </u> Cross Bill <u> </u> Other Pleading	
PATENT OR TRADEMARK NO.	PATENT OR TRADEMARK NO.	PATENT OR TRADEMARK NO.
1.	6.	11.
2.	7.	12.
3.	8.	13.
4.	9.	14.
5.	10.	15.

In the above-entitled case, the following decision has been rendered or judgment issued:

DECISION/JUDGMENT

CLERK	(BY) DEPUTY CLERK	DATE
John Morrill		



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.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/951,789	11/10/2015	9185145	13PIRNAZ20070	4298

61618 7590 10/21/2015
Jafari Law Group, Inc.
120 Vantis, Suite 430
Aliso Viejo, CA 92656

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

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 208 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 Data Management (ODM) at (571)-272-4200.

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

Actual Worlds, Inc., Los Angeles, CA
Kambiz David Pirnazar, Los Angeles, 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.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax **(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)

61618 7590 08/14/2015
Jafari Law Group, Inc.
120 Vantis, Suite 430
Aliso Viejo, CA 92656

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 facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/951,789	07/26/2013	Kambiz David Pirnazar	13PIRNAZ20070	4298

TITLE OF INVENTION: METHOD AND APPARATUS FOR THE IMPLEMENTATION OF A REAL-TIME, SHARABLE BROWSING EXPERIENCE ON A GUEST DEVICE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$480	\$0	\$0	\$480	11/16/2015

EXAMINER	ART UNIT	CLASS-SUBCLASS
CHANG, JUNGWON	2454	709-205000

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/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form 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 **Jafari Law Group, Inc.**

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 has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE
SAMESURF, INC.

(B) RESIDENCE: (CITY and STATE OR COUNTRY)
345 NORTH MAPLE DRIVE, SUITE 120
BEVERLY HILLS, CALIFORNIA 90210

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☒ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

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

- ☐ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☒ The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number **503851** (enclose an extra copy of this form).

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 /Saul Acherman/

Date 10/02/2015

Typed or printed name Saul Acherman

Registration No. 72898

Electronic Patent Application Fee Transmittal				
Application Number:		13951789		
Filing Date:		26-Jul-2013		
Title of Invention:		METHOD AND APPARATUS FOR THE IMPLEMENTATION OF A REAL-TIME, SHARABLE BROWSING EXPERIENCE ON A GUEST DEVICE		
First Named Inventor/Applicant Name:		Kambiz David Pirnazar		
Filer:		Saul Acherman		
Attorney Docket Number:		13PIRNAZ20070		
Filed as Small Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Utility Appl Issue Fee	2501	1	480	480

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				480

Electronic Acknowledgement Receipt	
EFS ID:	23710852
Application Number:	13951789
International Application Number:	
Confirmation Number:	4298
Title of Invention:	METHOD AND APPARATUS FOR THE IMPLEMENTATION OF A REAL-TIME, SHARABLE BROWSING EXPERIENCE ON A GUEST DEVICE
First Named Inventor/Applicant Name:	Kambiz David Pirnazar
Customer Number:	61618
Filer:	Saul Acherman
Filer Authorized By:	
Attorney Docket Number:	13PIRNAZ20070
Receipt Date:	06-OCT-2015
Filing Date:	26-JUL-2013
Time Stamp:	19:33:23
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$480
RAM confirmation Number	5790
Deposit Account	503851
Authorized User	JAFARI, DAVID
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees) Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)	

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)					
Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)					
Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)					
File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Issue Fee Payment (PTO-85B)	IssuanceFeeTransmittal_100215.pdf	365058 7491f61c0aa67e1db01ae31471facfa9890fb eb4	no	1
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	31051 1671a8b9c5d87abc7f8501de44400297047 d079d	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			396109		
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.					



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

61618 7590 08/14/2015
Jafari Law Group, Inc.
120 Vantis, Suite 430
Aliso Viejo, CA 92656

EXAMINER

CHANG, JUNGWON

ART UNIT

PAPER NUMBER

2454

DATE MAILED: 08/14/2015

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/951,789	07/26/2013	Kambiz David Pirnazar	13PIRNAZ20070	4298

TITLE OF INVENTION: METHOD AND APPARATUS FOR THE IMPLEMENTATION OF A REAL-TIME, SHARABLE BROWSING EXPERIENCE
ON A GUEST DEVICE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$480	\$0	\$0	\$480	11/16/2015

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 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity 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 and an extra copy of the form should be submitted. 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: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax **(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)

61618 7590 08/14/2015
Jafari Law Group, Inc.
120 Vantis, Suite 430
Aliso Viejo, CA 92656

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 facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/951,789	07/26/2013	Kambiz David Pirnazar	13PIRNAZ20070	4298

TITLE OF INVENTION: METHOD AND APPARATUS FOR THE IMPLEMENTATION OF A REAL-TIME, SHARABLE BROWSING EXPERIENCE ON A GUEST DEVICE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$480	\$0	\$0	\$480	11/16/2015

EXAMINER	ART UNIT	CLASS-SUBCLASS
CHANG, JUNGWON	2454	709-205000

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/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form 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, 1 _____
- (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. 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 has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(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 ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

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

- ☐ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☐ The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

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 _____

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.
13/951,789	07/26/2013	Kambiz David Pirnazar	13PIRNAZ20070	4298
61618	7590	08/14/2015		
Jafari Law Group, Inc. 120 Vantis, Suite 430 Aliso Viejo, CA 92656			EXAMINER CHANG, JUNGWON	
			ART UNIT 2454	PAPER NUMBER
DATE MAILED: 08/14/2015				

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 12 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); (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. 13/951,789	Applicant(s) PIRNAZAR, KAMBIZ DAVID	
	Examiner Jungwon Chang	Art Unit 2454	AIA (First Inventor to File) 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 amendment filed on 7/20/2015.
☐ 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 1,3 and 5-20, renumbered as 1-18. 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)	5. ☐ Examiner's Amendment/Comment
2. ☒ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date <u>5/14/2015, 7/20/2015</u>	6. ☐ Examiner's Statement of Reasons for Allowance
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	7. ☐ Other _____
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____	

/Jungwon Chang/ Primary Examiner, Art Unit 2454	
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41 Mobile Malware Attacks and Defense
[Ken Dunham](#)

October 2008 Mobile Malware Attacks and Defense

Publisher: Syngress Publishing

 Full text available: [The ACM Learning Center](#), [ePub](#) (5.12 MB), [PDF](#) (11.49 MB)

Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 111, Downloads (Overall): 410, Citation Count: 5

Malware has gone mobile, and the security landscape is changing quickly with emerging attacks on cell phones, PDAs, and other mobile devices. This first book on the growing threat covers a wide range of malware targeting operating systems like Symbian ...

Keywords: Applied, Computer Science, Computers, Handheld Computing, Macintosh, Security, Viruses

42 Understanding online social network usage from a network perspective
[Fabian Schneider](#), [Anja Feldmann](#), [Balachander Krishnamurthy](#), [Walter Willinger](#)

 November 2009 **IMC '09:** Proceedings of the 9th ACM SIGCOMM conference on Internet measurement conference

Publisher: ACM [Request Permissions](#)

 Full text available: [PDF](#) (645.72 KB)

Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 170, Downloads (Overall): 2661, Citation Count:

Online Social Networks (OSNs) have already attracted more than half a billion users. However, our understanding which OSN features attract and keep the attention of these users is poor. Studies thus far have relied on surveys interviews of OSN ...

Keywords: clickstream analysis, feature popularity, http, network measurement, online social networks, session characteristics, user interactions

43 No Code Required: Giving Users Tools to Transform the Web
[Allen Cypher](#), [Mira Dontcheva](#), [Tessa Lau](#), [Jeffrey Nichols](#)

April 2010 No Code Required: Giving Users Tools to Transform the Web

Publisher: Morgan Kaufmann Publishers Inc.

 Full text available: [The ACM Learning Center](#), [ePub](#) (9.73 MB), [PDF](#) (37.85 MB)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 163, Downloads (Overall): 695, Citation Count: 8

Revolutionary tools are emerging from research labs that enable all computer users to customize and automate their use of the Web without learning how to program. No Code Required takes cutting edge material from academic and industry leaders ...

44 How to Cheat at Administering Office Communications Server 2007
[Anthony Pitzzecker](#)

January 2008 How to Cheat at Administering Office Communications Server 2007

Publisher: Syngress Publishing

 Full text available: [The ACM Learning Center](#), [PDF](#) (26.15 MB)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 7, Downloads (Overall): 66, Citation Count: 0

The perfect reference for the multitasked admin tasked with mastering a major new product release. Communicator 2007 is a unified communications client (UCC) that provides users with the means to use voice, video, email, instant messaging ...

Keywords: Networking, Windows

45 [Networked Graphics: Building Networked Games and Virtual Environments](#)[Anthony Steed](#), [Manuel Fradinho Oliveira](#)

November 2009 Networked Graphics: Building Networked Games and Virtual Environments

Publisher: Morgan Kaufmann Publishers Inc.Full text available:  [The ACM Learning Center](#) ,  [ePub](#) (12.88 MB),  [PDF](#) (13.40 MB)**Bibliometrics:** Downloads (6 Weeks): 7, Downloads (12 Months): 55, Downloads (Overall): 282, Citation Count: 9

This broad-ranging book equips programmers and designers with a thorough grounding in the techniques used to create truly network-enabled computer graphics and games. Written for graphics/game/VE developers and students, it assumes no prior knowledge ...

Keywords: Computer Animation, Computer Graphics, Computer Science, Computers, Game Programming, Interactive & Multimedia, Networking, Video & Electronic, Virtual Reality

46 [P2P Networking and Applications](#)[John Buford](#), [Heather Yu](#), [Eng Keong Lua](#)

December 2008 P2P Networking and Applications

Publisher: Morgan Kaufmann Publishers Inc.Full text available:  [The ACM Learning Center](#) ,  [ePub](#) (5.07 MB),  [PDF](#) (20.63 MB)**Bibliometrics:** Downloads (6 Weeks): 8, Downloads (12 Months): 70, Downloads (Overall): 345, Citation Count: 29

Peer-to-Peer (P2P) networks enable users to directly share digital content (such as audio, video, and text files) as well as real-time data (such as telephony traffic) with other users without depending on a central server. Although originally popularized ...

Keywords: Networking

47 [Listening comprehension of English second language with mobile devices](#)[Mahieddine Djoudi](#)June 2006 **Journal of Mobile Multimedia** , Volume 2 Issue 2**Publisher:** Rinton Press, Incorporated**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count:

The use of the mobile devices in language learning has been developed at very high speed these last years. Thus, we are witnessing many research and development projects, methodologies, and scientific publications. However, the interest in research related ...

Keywords: english second language, listening comprehension, mobile devices, mobile learning, podcasting, portable MP3 player

48 [Fragment, tag, enrich, and send: Enhancing social sharing of video](#) [Pablo Cesar](#), [Dick C. A. Buterman](#), [Jack Jansen](#), [David Geerts](#), [Hendrik Knoche](#), [William Seager](#)August 2009 **Transactions on Multimedia Computing, Communications, and Applications (TOMM)** , Volume 5 Issue 3**Publisher:** ACM  [Request Permissions](#)Full text available:  [PDF](#) (8.85 MB)**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 67, Downloads (Overall): 872, Citation Count: 22

The migration of media consumption to personal computers retains distributed social viewing, but only via nonsocial, strictly personal interfaces. This article presents an architecture, and implementation for media sharing that allows for enhanced social ...

Keywords: Asynchronous media sharing, differentiated content enrichment, secondary screens

49 [CROSSFIRE: an IDE for operational training](#)[Jim Goodwin](#), [Richard Jones](#), [Garry Morissette](#)March 2007 **SpringSim '07: Proceedings of the 2007 spring simulation multiconference - Volume 3** , Volume 3**Publisher:** Society for Computer Simulation InternationalFull text available:  [PDF](#) (579.61 KB)**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 4, Downloads (Overall): 51, Citation Count:

We consider operational-level training to be targeted at decision makers; increasing the cognitive readiness of commanders, directors, or staff members in a military or civil organization. Operational-level training is very different from tactical training. ...

Keywords: cognitive readiness, integrated development environment, intelligent agents, operational training

50 [RCB: a simple and practical framework for real-time collaborative browsing](#)[Chuan Yue](#), [Zi Chu](#), [Haining Wang](#)June 2009 **USENIX'09: Proceedings of the 2009 conference on USENIX Annual technical conference****Publisher:** USENIX Association

Full text available:  [Publisher Site](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 1

Existing co-browsing solutions must use either a specific collaborative platform, a modified Web server, or a dedicated proxy to coordinate the browsing activities between Web users. In addition, these solutions usually require co-browsing participants ...

51 [Model-driven design and deployment of service-enabled web applications](#)

 [Ioana Manolescu, Marco Brambilla, Stefano Ceri, Sara Comai, Piero Fraternali](#)

August 2005 **Transactions on Internet Technology (TOIT)**, Volume 5 Issue 3

Publisher: ACM  [Request Permissions](#)

Full text available:  [PDF](#) (3.07 MB)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 59, Downloads (Overall): 3843, Citation Count: 43

Significant effort is currently invested in application integration, enabling business processes of different companies to interact and form complex multiparty processes. Web service standards, based on WSDL (Web Service Definition Language), have been ...

Keywords: UML, Web application, Web services, WebML, modeling

52 [Virtualization for Security: Including Sandboxing, Disaster Recovery, High Availability, Forensic Analysis, and Honeypotting](#)

 [John Hoopes](#)

December 2008 Virtualization for Security: Including Sandboxing, Disaster Recovery, High Availability, Forensic Analysis and Honeypotting

Publisher: Syngress Publishing

Full text available:  [The ACM Learning Center](#),  [ePub](#) (3.42 MB),  [PDF](#) (9.92 MB)

Bibliometrics: Downloads (6 Weeks): 21, Downloads (12 Months): 108, Downloads (Overall): 499, Citation Count: 2

One of the biggest buzzwords in the IT industry for the past few years, virtualization has matured into a practical requirement for many best-practice business scenarios, becoming an invaluable tool for security professionals at companies of every size. ...

Keywords: Applied, Business Software, Computer Science, Computers, Information Management, Security

53 [Frontmatter \(TOC, Miscellaneous material\)](#)

 [ACM SIGSOFT Software Engineering Notes staff](#)

November 2006 **SIGSOFT Software Engineering Notes**, Volume 31 Issue 6

Publisher: ACM

Full text available:  [PDF](#) (1.25 MB)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 31, Downloads (Overall): 1018, Citation Count:

54 [ALPS \(A Language for Process Specification\) - A definition language for hypertext trails](#)

 [Bruce Thomas](#)

December 2000 **Information Services and Use**, Volume 20 Issue 4

Publisher: IOS Press

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count:

This paper proposes using ALPS to specify a new hypertext trail to an existing hypertext document. In Vannevar Bush's first hypertext system "Memex", Bush envisioned "Memex" as having the ability for a user to define a trail in ...

55 [Proceedings of the Second International Workshop on Persistence and Java](#)

 [Malcolm Atkinson, Mick Jordan](#)

December 1997 Proceedings of the Second International Workshop on Persistence and Java

Publisher: Sun Microsystems, Inc.

Full text available:  [PDF](#) (1.23 MB)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 5, Downloads (Overall): 309, Citation Count: 2

These proceedings record the Second International Workshop on Persistence and Java, that was held in Half

<http://dl.acm.org/results.cfm?query=%28%22join%22%20and%20%22synchronization%22%20and%20%22browsing%22%20and%20%22interaction...> 3/5

Moon Bay in the San Francisco Bay Area, in August 1997. The focus of the workshop series is the relationship between the Java platform and longterm ...

56 [Adaptive collaboration in an ever-changing environment](#)

Jingliao Yu, Y. V. Ramana Reddy, Shufen Liu, ZhiLin Yao, Vilevanand Bharadwaj, Sumitra Reddy, Srinivas Kankanaha

April 2008 **Multiagent and Grid Systems**, Volume 4 Issue 2

Publisher: IOS Press

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count:

Traditional collaboration systems are typically bundled with a set of tools with pre-specified static workflow and usage patterns. They are found to be inflexible and incompetent for today's heterogeneous and ever-changing collaboration contexts and ...

Keywords: CSCW, collaboration, context, ontology, semantics, workflow

57 [DejaView: a personal virtual computer recorder](#)

Oren Laadan, Ricardo A. Baratto, Dan B. Phung, Shava Porter, Jason Nieh

October 2007 **SOSP '07: Proceedings of twenty-first ACM SIGOPS symposium on Operating systems principles**

Publisher: ACM [Request Permissions](#)

Full text available: [Mo3](#) (199926:50 MIN), [Mo4](#) (2762533:30 MIN), [PDF](#) (534.51 KB)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 36, Downloads (Overall): 876, Citation Count: 21

As users interact with the world and their peers through their computers, it is becoming important to archive and later search the information that they have viewed. We present DejaView, a personal virtual computer recorder that provides a complete ...

Keywords: desktop search, virtualization

Also published in:

October 2007 **SIGOPS Operating Systems Review** Volume 41 Issue 6

58 [Process modeling in Web applications](#)

Marco Brambilla, Stefano Ceri, Piero Fraternali, Ioana Manolescu

October 2006 **Transactions on Software Engineering and Methodology (TOSEM)**, Volume 15 Issue 4

Publisher: ACM [Request Permissions](#)

Full text available: [PDF](#) (1.17 MB)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 127, Downloads (Overall): 6320, Citation Count:

While Web applications evolve towards ubiquitous, enterprise-wide or multienterprise information systems, they face new requirements, such as the capability of managing complex processes spanning multiple users and organizations, by interconnecting software ...

Keywords: Web applications, Web engineering, conceptual modeling, workflows

59 [Cisco Router and Switch Forensics: Investigating and Analyzing Malicious Network Activity](#)

Dahe Liu

May 2009 Cisco Router and Switch Forensics: Investigating and Analyzing Malicious Network Activity

Publisher: Syngress Publishing

Full text available: [The ACM Learning Center](#), [ePub](#) (11.55 MB), [PDF](#) (46.55 MB)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 84, Downloads (Overall): 388, Citation Count: 1

Cisco IOS (the software that runs the vast majority of Cisco routers and all Cisco network switches) is the dominant routing platform on the Internet and corporate networks. This widespread distribution, as well as its architectural deficiencies, makes ...

Keywords: Networking, Security

60 [Network and System Security](#)

John R. Vacca

March 2010 Network and System Security

Publisher: Syngress Publishing

Full text available: [The ACM Learning Center](#), [ePub](#) (6.85 MB), [PDF](#) (14.49 MB)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 182, Downloads (Overall): 248, Citation Count: 0

<http://dl.acm.org/results.cfm?query=%28%22join%22%20and%20%22synchronization%22%20and%20%22browsing%22%20and%20%22interaction...> 4/5

Network and System Security provides focused coverage of network and system security technologies. Explores practical solutions to a wide range of network and systems security issues. Chapters are authored by leading experts in the field and address ...

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Patent US20110289157 - Method and Apparatus for the ...
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Nov 24, 2011 - sending a request to join the synchronized browsing session to the ...
the synchronization server related to a shared web browsing interaction ...

Kambiz David Pimazar - Patent Database - Justia
patents.justia.com/inventor/kambiz-david-pimazar [▾](#)

... for joining a synchronized browsing session administered by a synchronization ...
synchronization server, and performing the shared web browsing interaction ...

[PDF] Method and Apparatus for the Implementation of a Real ...
<https://patentimages.storage.googleapis.com/pdfs/US20110289157.pdf> [▾](#)

by KD Pimazar - 2010 - Cited by 1 - Related articles

browsing session, sending a request to join the synchronized, browsing session to ...
browsing interaction performed by a host device from a syn. (51) fil- Cl-

The Implementation Of A Real-time, Sharable Browsing ...
www.freshpatents.com/-dt20131121ptan20130311664.php [▾](#)

Nov 21, 2013 - ... a method for joining a synchronized browsing session administered
by ... a shared web browsing interaction performed by a host device from ...

[PDF] Prof. Dr.-Ing. Klaus Meißner PD Dr.-Ing. habil ... - Qucosa
www.qucosa.de/fileadmin/data/qucosa/.../GeNeMe2007_171-185.pdf [▾](#)

by S Pietschmann - Related articles

The Session Management and Synchronization components are responsible ... via the
server are processed according to the co-browsing interaction protocol. ... A participant
joining a co-browsing session has to receive not only the pages.

Join and capture - ACM Digital Library
dl.acm.org/citation.cfm?id=502367 [Association for Computing Machinery ▾](#)

by DR Olsen Jr - 2001 - Cited by 34 - Related articles

Nov 11, 2001 - Join and capture: a model for nomadic interaction ... XWeb's
SUBSCRIBE mechanism allows multiple interactive clients to synchronize with each
other. SESSION: Papers: Tangible support for collaboration The M-Links system
incorporates modal browsing interaction and addresses a number of ...

Download PDF - Springer
link.springer.com/10.1007%2F978-3-5... [Springer Science+Business Media ▾](#)

A couple of analysis sessions were performed by end-users under group psychotherapy
and educa- prior to joining an existing session. The Session ... scenarios are
considered: results' browsing, interaction replay and online monitoring ... CATMA
synchronized-navigation bar (at the bottom of the tool, on Fig. 4) adapts.

[PDF] A Storytelling Atlas: Facilitating Browsing Interaction ...
dspace.library.uu.nl/bitstream/handle/1874/21785/c5.pdf [▾](#)

by T Aditya Kurniawan Muhammad - 2007 - Cited by 9 - Related articles

Dec 21, 2006 - navigation and interaction schemes through the browsing session (see
e.g., Ivory convergence of interpretants as a result of joint work (MacEachren
The handling of a request and synchronization: when one user plots, ...

Emotion and website design
https://www.interaction-design.org/.../emotion_and_website_design.html [▾](#)

by D Cyr - 2013 - Cited by 4 - Related articles

Join our community and advance Your In addition, the high immediacy website
featured an interactive review session during which the user is praised and ...

US Patent # 9,069,851. Client application integrating web ...
patents.com/us-9069851.html [▾](#)

8/9/2015

"join "synchronization "browsing interaction "session - Google Search

Ossi Kauranen, Architecture for a Session Initiation Protocol Based Presence ... 4226,
Proceedings of 7th Joint Modular Languages Conference, JMLC 2006, Sep. across
the realtime communications and browsing interaction modalities. ... with a local
clock, which typically is synchronized with a remote master clock ...

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Patent US20090319672 - Method and Apparatus for ...
www.google.com/uy/patents/US20090319672

Mar 18, 2009 - ... a session comprising browsing interaction associated with a session presenting ... only very limited, pre-defined synchronization of the availability of TV and ... The device could join the network, check its coordination attributes ... and controls could be provided for later re-joining the sessions based on ...

[PDF] MOBILE COLLABORATION FOR YOUNG CHILDREN
hcil2.cs.umd.edu/trs/2009-34/2009-34.pdf ▾

by JA Falls - 2009 - Cited by 7 - Related articles

Figure 4.2 – Summary of video coding scheme: joint and individual codes. ... different interfaces while still accessing shared, synchronized session data, however ... displays [142, 145], enabling a staged collaborative browsing interaction.

From desktop to phonetop
mickeybet.com/==gN2MjMwUTPkid2PiZ2Yu42bpRXY0i2Yvcmcv5SbjF... ▾

The M-Links system incorporates modal browsing interaction and addresses a number of ... SESSION: Papers. Tangible support for collaboration ... XWeb's SUBSCRIBE mechanism allows multiple interactive clients to synchronize with each other. We define the concept of Join as the mechanism for acquiring access to .

[PDF] Models and operators for extension of active multimedia ...
www.teses.usp.br/teses/disponiveis/55/.../Tese_DiogoSantana_revisada.pdf

by DS Martins - Cited by 1 - Related articles

Jan 30, 2014 - 4.4 Python implementation of the intersection join algorithm ... stage. Multimedia information is abstracted as sessions which synchronize the several ... Browsing interaction events in recordings of small group

[PDF] WEBIST 2014 Volume 2.pdf
<https://files.ifi.uzh.ch/.../WEBIST%202014%20Volu...> ▾ University of Zurich ▾

WEBIST had a new kind of session, named The European Project Space (EPS). ... Hypermodal - Dynamic Media Synchronization and Coordination between WebRTC ... throughout Europe have already been developed by the Berlin-based joint venture Hubject. ... User browsing, interaction and generally behaviour.

[PDF] Icon - The CHISEL Group, University of Victoria, BC
<https://chiselgroup.files.wordpress.com/2012/07/maind.pdf> ▾

by ME Hernandez - 2009 - Cited by 1 - Related articles

3.1 Searching and Browsing Interaction by Baeza-Yates and Ribeiro-Neto ... as session, query, term, and user; thirdly, I provide a comparative analysis of the ... consecutively the queries degenerative join disease, degenerative arthritis, and di- ... I also asked the participants if they found the synchronization between the ...

Patent US20120159356 - Enhanced World Wide Web ...
www.google.com/gt/patents/US20120159356

As such, browsing sessions undertaken by the first user in the first browser may be ... at the first browser with the browsing interaction received at the first browser, ... propagated to, and/or be synchronized with one or both of the other devices, ... can be enhanced or natively developed to join such a session/conference, ...

[PDF] The Handbook of Task Analysis for Human ... - Index of
<https://cent.felk.cvut.cz/.../Lawrence%...> ▾ Czech Technical University in Prague ▾

interviewed immediately after the session using a post-task walk-through. In this walk-through, ... or discussion, active collaboration, or the synchronization of actions. ... in contrast, at 12:00 she joins her friends for lunch. At the ... simply counts the occurrence of these during a typical (shopping and browsing) interaction.

CHI-papers.jig - College of Computing - Georgia Institute of ...
www.cc.gatech.edu/ ... Georgia Institute of Technology College of Computing ▾

A two-session controlled experiment has been conducted to evaluate the MB and to
France Fanny Chevalier Microsoft Research - INRIA Joint Centre, Orsay, ... presence
and activity: graphics are synchronized to participants' speech to aid in CHI user
interfaces browsing interaction design interaction techniques ...

Clique - Parente's Mindtrove

static.mindtrove.info/clique/parente-clique.pdf

sonification system for communicating arm position and joint motion to people lacking ...
debugging sessions (Finlayson and Mellish, 2005; Vickers and Alty, 1995). channel,
and lip synchronization improves speech intelligibility. Both the email and calendar
scripts use the same Linked Browsing interaction pattern.

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www.cs.cmu.edu/~rcm/papers/.../thesis.pdf [Carnegie Mellon University](#) [▼](#)
by RC Miller - 2002 - Cited by 79 - Related articles

Jan 10, 1997 - 4.9 MERGE (T) converts a quadtree node into a leaf if its children are all
..... the browser shell, which integrates a command prompt into the web browsing
interaction The pattern pane is also synchronized with the library pane, in the
Use only patterns to highlight all the courses meeting in WeH 5409 ...

[PDF] A Computerized Referee by Eugenio Omodeo, Domenico ...

www.multimedialibrary.com/articles/referee.pdf [▼](#)
by OSM Schaerf - 2006 - Cited by 3 - Related articles

A 1988 meeting on problem representation at Carnegie-Mellon University with the
programmer needs to specify the "join points" where the aspects are to be applied, in
..... allocated to a particular task they must synchronize their actions. The
browsing interaction paradigm, where users analyze Web pages one at a

ijhcs2001 - Ace Recommendation Platform - 1

www.learningace.com/doc/5619571/.../ijhcs2001 [▼](#)

If a user did this, they were forced to use standard Web browsing interaction (e.g.
such as &&going to the Middle School for a virtual Parent-Teacher meeting". in
different spaces, along with tools that help visitors "nd and join interest-based 1
Adaptive Scene Synchronization for Virtual and Mixed Reality Environments ...

[PDF] download - 23rd International Conference on Information ...

isd2014.foi.hr/docs/ISD2014_Proceedings.pdf [▼](#)

Over the course of 3 days, 15 sessions were held, covering a range The talk will
discuss the challenges in creating and performing a joint OSD synchronization,
security control, topology control, condition monitoring, information non-transactional
aspect is the browsing interaction that consumers engage in as ...

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cooperate, as the barriers are multiple and complex, that only joint forces can realize
..... Table 4: Browsing interaction types performed by users periodic
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ASME DC | Proceedings | IDETC/CIE2008 | Volume 3: 28th ...
[proceedings.asmedigitalcollection.asme.org/volume.aspx?volumeid=15127](#)
The Role of Mereotopology and SWRL Rules to Represent Joint Topology Information
... to achieve name correspondences during collaborative modeling sessions in
replicated with the damped system, a process of phase synchronization is
developed Intuition-Based Browsing Interaction Towards Emotional Design.

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Politics and Government Week (2012-12-06) | VerticalNews
www.verticalnews.com/premium_newsletters/Politics.../2012-12-06.html ▾
 Dec 6, 2012 - The Ad Council - USDA, HHS and Ad Council Join Food Network Star Protocol Sessions in Data Networks" in Patent Application Approval Process ... Ltd. - "Method and System for Synchronization in Communication System" in of Task Scripts from Web Browsing Interaction History", for Approval

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 Blue Book A specification for multi-session CDs which was announced by Sony, Philips Composite video A video signal where brightness, chrominance and sync geographical location, or of joining debates with IRC users that might be in gation, browsing, interaction, stimulation of sensory channels and non-.

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pcconsumerelectronics.blogspot.com/2012_12_01_archive.html ▾
 Dec 31, 2012 - ... distributed management of massive data, and browsing interaction that CARTES 2012 also held 120 conference sessions with almost 1,600 attendees.

..... time synchronization and bandwidth reservation, are essential for video . . .
Joining the AVnu Alliance fits very well in our history and strategy of ...

Visual aesthetics in human-computer interaction and ... - 推酷

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Mar 23, 2012 - "Most advanced, yet acceptable": typicality and novelty as joint predictors of as users' judgement changes within a session and over successive encounters or phonogram, the synchronization of the Work in timed-relation with a Your use of and browsing interaction-Design.org is at your own risk.

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BIB DATA SHEET

CONFIRMATION NO. 4298

SERIAL NUMBER 13/951,789	FILING or 371(c) DATE 07/26/2013 RULE	CLASS 709	GROUP ART UNIT 2454	ATTORNEY DOCKET NO. 13PIRNAZ20070	
APPLICANTS Actual Worlds, Inc., Los Angeles, CA INVENTORS Kambiz David Pirnazar, Los Angeles, CA; ** CONTINUING DATA ***** This application is a CON of 12/783,743 05/20/2010 PAT 8527591 ** FOREIGN APPLICATIONS ***** ** IF REQUIRED, FOREIGN FILING LICENSE GRANTED *** SMALL ENTITY ** 08/09/2013					
Foreign Priority claimed ☐ Yes ☒ No 35 USC 119(a-d) conditions met ☐ Yes ☒ No Verified and Acknowledged <u>/JUNGWON CHANG/</u> Examiner's Signature		☐ Met after Allowance Initials	STATE OR COUNTRY CA	SHEETS DRAWINGS 20	TOTAL CLAIMS 20 18 INDEPENDENT CLAIMS 2
ADDRESS Jafari Law Group, Inc. 120 Vantis, Suite 430 Aliso Viejo, CA 92656 UNITED STATES					
TITLE METHOD AND APPARATUS FOR THE IMPLEMENTATION OF A REAL-TIME, SHARABLE BROWSING EXPERIENCE ON A GUEST DEVICE					
FILING FEE RECEIVED 730	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:		☐ All Fees ☐ 1.16 Fees (Filing) ☐ 1.17 Fees (Processing Ext. of time) ☐ 1.18 Fees (Issue) ☐ Other _____ ☐ Credit		

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
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L28	48	((syn\$9 synchron\$9) near8 (session\$5 link\$4 connection\$5)) and (join\$5 near8 (syn\$9 synchron\$9) with invit\$5)	US- PGPUB; USPAT	OR	OFF	2015/08/09 23:42
L29	22	28 and @ad<"20100520"	US- PGPUB; USPAT	OR	OFF	2015/08/09 23:42
L30	7165	H04L65/1069.CPC.	US- PGPUB; USPAT	OR	OFF	2015/08/09 23:47

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Index of Claims 	Application/Control No. 13951789	Applicant(s)/Patent Under Reexamination PIRNAZAR, KAMBIZ DAVID
	Examiner JUNGWON CHANG	Art Unit 2454

✓	Rejected
=	Allowed

-	Cancelled
÷	Restricted

N	Non-Elected
I	Interference

A	Appeal
O	Objected

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CLAIM		DATE							
Final	Original	04/18/2015	08/09/2015						
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	2	✓	-						
2	3	✓	=						
	4	✓	-						
3	5	✓	=						
4	6	✓	=						
7	7	✓	=						
8	8	✓	=						
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10	12	✓	=						
11	13	✓	=						
12	14	✓	=						
13	15	✓	=						
14	16	✓	=						
15	17	✓	=						
16	18	✓	=						
17	19	✓	=						
18	20	✓	=						

Issue Classification 	Application/Control No. 13951789	Applicant(s)/Patent Under Reexamination PIRNAZAR, KAMBIZ DAVID	
	Examiner JUNGWON CHANG	Art Unit 2454	

CPC					
Symbol				Type	Version
H04L	65	/	1069	F	2013-01-01
H04L	51	/	32	I	2013-01-01
H04L	51	/	046	I	2013-01-01
H04L	65	/	403	I	2013-01-01
G06F	17	/	30873	I	2013-01-01
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CPC Combination Sets						
Symbol			Type	Set	Ranking	Version
		/				
		/				

NONE		Total Claims Allowed:	
		18	
(Assistant Examiner)	(Date)		
/JUNGWON CHANG/ Primary Examiner.Art Unit 2454	08/09/2015	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	5A

Issue Classification 	Application/Control No. 13951789	Applicant(s)/Patent Under Reexamination PIRNAZAR, KAMBIZ DAVID
	Examiner JUNGWON CHANG	Art Unit 2454

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1	15	17												
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2	3	17	19												
	4	18	20												
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10	12														
11	13														
12	14														
13	15														
14	16														

NONE		Total Claims Allowed:	
		18	
(Assistant Examiner)	(Date)		
/JUNGWON CHANG/ Primary Examiner.Art Unit 2454	08/09/2015	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	5A

Search Notes 	Application/Control No. 13951789	Applicant(s)/Patent Under Reexamination PIRNAZAR, KAMBIZ DAVID
	Examiner JUNGWON CHANG	Art Unit 2454

CPC- SEARCHED		
Symbol	Date	Examiner
H04L 65/1069	4/18/2015	JWC
G06F 17/30873	4/18/2015	JWC
H04L 51/32	8/9/2015	JWC
H04L 51/046	8/9/2015	JWC
H04L 65/403	8/9/2015	JWC

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
709	205, 203	4/18/2015	JWC
715	733	4/18/2015	JWC
709	205	8/9/2015	JWC
715	753	8/9/2015	JWC

SEARCH NOTES		
Search Notes	Date	Examiner
East search report attached	4/18/2015	JWC
Inventor name searched	4/18/2015	JWC
East Google AC search report attachedM	8/9/2015	JWC
Inventor name searched	8/9/2015	JWC

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner
H04L	51/32; 51/046; 65/403	8/9/2015	JWC
709	204-206	8/9/2015	JWC

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INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner
715	753	8/9/2015	JWC

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Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (01-10)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	13951789
	Filing Date	2013-07-26
	First Named Inventor	Kambiz David Pirnazar
	Art Unit	2454
	Examiner Name	CHANG, JUNGWON
	Attorney Docket Number	13PIRNAZ20070

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13951789
	Filing Date		2013-07-26
	First Named Inventor	Kambiz David Pirnazar	
	Art Unit	2454	
	Examiner Name	CHANG, JUNGWON	
	Attorney Docket Number	13PIRNAZ20070	

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EXAMINER SIGNATURE

Examiner Signature	/Jungwon Chang/	Date Considered	08/09/2015
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13951789
	Filing Date		2013-07-26
	First Named Inventor	Kambiz David Pirnazar	
	Art Unit	2454	
	Examiner Name	CHANG, JUNGWON	
	Attorney Docket Number	13PIRNAZ20070	

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Saul Acherman/	Date (YYYY-MM-DD)	2010-05-14
Name/Print	Saul Acherman	Registration Number	72898

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	First Named Inventor	Kambiz David Pirnazar
	Art Unit	2454
	Examiner Name	CHANG, JUNGWON
	Attorney Docket Number	13PIRNAZ20070

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OR

☒ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☐ A certification statement is not submitted herewith.

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Name/Print	Saul Acherman	Registration Number	72898

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In this paper we present the idea of detachable learning environments, i.e. web pages, containing a few lessons or whole courses, not requiring a synchronous Internet connection to be browsed, edited or to interact with them. We discuss their use in ...

Keywords: Tiddlywiki, digital television, e-learning, live notebook, science teaching**2** [IRI-h: a Java-based distance education system architecture and performance](#)[E. Maity, H. Abdel-Wahab, C. Wild, C. M. Overstreet, A. Gupta, A. Abdel-Hamid, S. Ghanem, A. Gonzalez, X. Zhu](#)March 2001 **Journal on Educational Resources in Computing (JERIC)**, Volume 1 Issue 1es**Publisher:** ACM [Request Permissions](#)Full text available: [PDF](#) (125.76 KB)**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 11, Downloads (Overall): 824, Citation Count: 3

We used our Original Interactive Remote Instruction (IRI) system to teach scores of university classes over the past years at sites up to 300 km apart. While this system is a prototype, its use in real classes allows us to deal with crucial issues in ...

Keywords: Java, heterogeneity, platform independence**3** [Transaction reordering](#)[Gang Luo, Jeffrey F. Naughton, Curt J. Ellmann, Michael W. Watzke](#)January 2010 **Data & Knowledge Engineering**, Volume 69 Issue 1**Publisher:** Elsevier Science Publishers B. V.**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 1

Traditional workload management methods mainly focus on the current system status while information about the interaction between queued and running transactions is largely ignored. This paper proposes using transaction reordering, a workload management ...

Keywords: Continuous data loading, Data warehousing, Synchronized scans, Transaction reordering, Workload management**4** [Managing Information Security](#)[John R. Vacca](#)March 2010 **Managing Information Security****Publisher:** Syngress PublishingFull text available: [The ACM Learning Center](#), [ePub](#) (2.45 MB), [PDF](#) (11.25 MB)**Bibliometrics:** Downloads (6 Weeks): 26, Downloads (12 Months): 132, Downloads (Overall): 171, Citation Count: 1

Managing Information Security offers focused coverage of how to protect mission critical systems, how to deploy security management systems, IT security, ID Management, intrusion detection and prevention systems,

computer forensics, network forensics, ...

- 5 [Fast SOA: The way to use native XML technology to achieve Service Oriented Architecture governance, scalability, and performance](#)
[Frank Cohen](#)

November 2006 Fast SOA: The way to use native XML technology to achieve Service Oriented Architecture governance, scalability, and performance

Publisher: Morgan Kaufmann Publishers Inc.

Full text available:  [The ACM Learning Center](#) /  [PDF](#) (3.79 MB)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 66, Downloads (Overall): 455, Citation Count: 3

Without the right controls to govern SOA development, the right set of tools to build SOA, and the right support exciting new protocols and patterns, your SOA efforts can result in software that delivers only 1.5 transactions per second (TPS) on expensive ...

Keywords: Business Software, Database Management, World Wide Web

- 6 [Wi-Wave: urban furniture for browsing internet contents in public spaces](#)
[Elsa Rubegni, Jevon Brunk, Maurizio Caporali, Erik Gronvall, Andrea Alessandrini, Antonio Rizzo](#)

January 2008 **ECCE '08: Proceedings of the 15th European conference on Cognitive ergonomics: the ergonomics of cool interaction**

Publisher: ACM

Full text available:  [PDF](#) (357.53 KB)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 12, Downloads (Overall): 185, Citation Count: 1

Motivation -- The socio-technical challenges created by Tangible User Interfaces with regards to invasiveness, privacy, visibility, control, etc. have been pointed out by several authors, but this case study focuses on two, more basic socio-technical ...

Keywords: ambient device, audio, gesture interface, human factors theory, interaction design, podcast, radio, ubiquitous computing, ultrasonic sensors, universal access, urban furniture

- 7 [Botnets: The Killer Web Applications](#)
[Craig Schiller, Jim Binkley](#)

February 2007 Botnets: The Killer Web Applications

Publisher: Syngress Publishing

Full text available:  [The ACM Learning Center](#) /  [PDF](#) (5.84 MB)

Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 99, Downloads (Overall): 479, Citation Count: 5

The book begins with real world cases of botnet attacks to underscore the need for action. Next the book will explain botnet fundamentals using real world examples. These chapters will cover what they are, how they operate, and the environment and technology ...

Keywords: Computer Science, Security

- 8 [Consistency Control for Synchronous and Asynchronous Collaboration Based on Shared Objects and Activities](#)

[Ji'Boen Vogel, Kirgen Vogel, Werner Geyer, Li-Te Cheng, Michael Muller](#)

December 2004 **Computer Supported Cooperative Work**, Volume 13 Issue 5-6

Publisher: Kluwer Academic Publishers

Full text available:  [Publisher Site](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 7

We describe a new collaborative technology that bridges the gap between ad hoc collaboration in email and more formal collaboration in structured shared workspaces. Our approach is based on the notion of object-centric sharing where users collaborate ...

Keywords: ActivityExplorer, activity-centric collaboration, consistency control, object-centric sharing, peer-to-peer replication, synchronous and asynchronous collaboration

- 9 [An infrastructure for extending applications' user experiences across multiple personal devices](#)
[Jeffrey S. Pierce, Jeffrey Nichols](#)

October 2008 **UIST '08: Proceedings of the 21st annual ACM symposium on User interface software and technology**

Publisher: ACM  [Request Permissions](#)

Full text available:  PDF (886.71 KB)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 41, Downloads (Overall): 847, Citation Count: 17

Users increasingly interact with a heterogeneous collection of computing devices. The applications that users employ on those devices, however, still largely provide user experiences that assume the use of a single computer. This failure is due in part ...

Keywords: application development, infrastructure, multi-device services, multi-device user experiences

10 Distributed, intelligent, interactive visualization and exploration of time-oriented clinical data and their abstractions

Yuval Shahar, Dina Goren-Bar, David Boaz, Gil Tahan

October 2006 **Artificial Intelligence in Medicine**, Volume 38 Issue 2

Publisher: Elsevier Science Publishers Ltd.

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 2

Objectives: We present KNAVE-II, an intelligent interface to a distributed architecture specific to the tasks of que knowledge-based interpretation, summarization, visualization, interactive exploration of large numbers of distrib time-oriented ...

Keywords: Clinical systems, Human-computer interaction, Intelligent visualization, Knowledge-based systems, Medical informatics, Temporal abstraction, Temporal reasoning

11 Workflow-centric distributed collaboration in heterogeneous computing environments

Jingqiao Yu, Y. V. Ramana Reddy, Vijayanand Bharadwaj, Sumitra Reddy, Srinivas Kankanahalli

May 2005 **CSCWD'05: Proceedings of the 9th international conference on Computer Supported Cooperative Work in Design II**

Publisher: Springer-Verlag

Full text available:  [Publisher Site](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count:

Few contest that Computer Supported Cooperative Work has contributed to a significant improvement in productivity and effectiveness of collaboration. During recent years, pervasive computing has imposed another imperative requirement on collaboration ...

12 3G and Beyond & Enabled Adaptive Mobile Multimedia Communication

Theo Kanter, Tom Rindborg, Dan Sahlin

July 2001 **ICN '01: Proceedings of the First International Conference on Networking-Part 1**

Publisher: Springer-Verlag

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 3

This paper lists various limitations in 2.5G, 3G cellular networks regarding services, and contrasts this to a characterization of fourth-generation wireless networks (4G). In order to investigate 4G's feasibility, costeffectiveness, necessary functionality, ...

13 IP paging service for mobile hosts

Ramachandran Ramjee, Li Li, Tom Ia Porta, Sneha Kaseria

September 2002 **Wireless Networks**, Volume 8 Issue 5

Publisher: Kluwer Academic Publishers

Full text available:  PDF (285.76 KB)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 7, Downloads (Overall): 817, Citation Count: 10

In wireless networks, mobile hosts must update the network with their current location in order to get packets delivered. Paging facilitates efficient power management at the mobile host by allowing the host to update the network less frequently at the ...

Keywords: Hawaii, IP, domain paging, mobility, paging

14 Concurrent aspects

 Rémi Douence, Didier Le Botlan, Jacques Nové, Mario Südholt

October 2006 **GPCE '06: Proceedings of the 5th international conference on Generative programming and component engineering**

Publisher: ACM  [Request Permissions](#)

Full text available:  PDF (220.40 KB)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 17, Downloads (Overall): 343, Citation Count: 16

Aspect-Oriented Programming (AOP) promises the modularization of so-called crosscutting functionalities in large applications. Currently, almost all approaches to AOP provide means for the description of sequential aspects that are to be applied to a ...

Keywords: Java, aspect-oriented programming, concurrency, formal verification, implementation

15 [Scalable database replication through dynamic multiversioning](#)

[Kaloian Manassiev](#), [Cristiana Amza](#)

October 2005 **CASCON '05:** Proceedings of the 2005 conference of the Centre for Advanced Studies on Collaborative research

Publisher: IBM Press

Full text available:  PDF (313.41 KB)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 8, Downloads (Overall): 642, Citation Count: 0

We scale the database back-end in dynamic content web servers on a set of database replicas while maintaining strong consistency. This is contrary to conventional wisdom in replicated databases which says that one could have either strong consistency ...

16 [A spontaneous ad hoc network to share WWW access](#)

[Raquel Lacuesta](#), [Jaime Lloret](#), [Miquel Garcia](#), [Iurdes Peñalver](#)

April 2010 **EURASIP Journal on Wireless Communications and Networking**, Volume 2010

Publisher: Hindawi Publishing Corp.

Full text available:  Publisher Site,  PDF (1.09 MB)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 2, Downloads (Overall): 41, Citation Count:

In this paper, we propose a secure spontaneous ad-hoc network, based on direct peer-to-peer interaction, to grant a quick, easy, and secure access to the users to surf the Web. The paper shows the description of our proposal, the procedure of the nodes ...

17 [Disappearing Cryptography: Information Hiding: Steganography & Watermarking, 3 edition](#)

[Peter Wayner](#)

December 2008 **Disappearing Cryptography: Information Hiding: Steganography & Watermarking, 3 edition**

Publisher: Morgan Kaufmann Publishers Inc.

Full text available:  The ACM Learning Center,  ePub (3.79 MB),  PDF (5.35 MB)

Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 94, Downloads (Overall): 410, Citation Count: 5

Cryptology is the practice of hiding digital information by means of various obfuscatory and steganographic techniques. The application of said techniques facilitates message confidentiality and sender/receiver identity authentication, and helps to ensure ...

Keywords: Security

18 [A hybrid software architecture for a web based multimedia distance education system with URI synchronization function](#)

[Eung Nam Ko](#)

April 2005 **AMCOS'05:** Proceedings of the 4th WSEAS International Conference on Applied Mathematics and Computer Science

Publisher: World Scientific and Engineering Academy and Society (WSEAS)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count:

The system for a web based multimedia distance education includes several features such as audio, video, whiteboard, etc, running on internet environment which is able to share HTML format. This paper describes a hybrid software architecture that is ...

Keywords: CACV, GSM, LSM, RARV, hybrid software architecture, lecture course, nested session control, session control, web based multimedia distance education system

19 [Integrating Notifications and Transactions: Concepts and X2TS Prototype](#)

[Christoph Liebig](#), [Marco Malva](#), [Alejandro P. Buchmann](#)

November 2000 **EDO '00:** Revised Papers from the Second International Workshop on Engineering Distributed Objects

Publisher: Springer-Verlag

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 1

Event-based architectural style promises to support building flexible and extensible component-oriented systems is particularly well suited to support applications that must monitor information of interest or react to changes in environment, ...

20 [LiCoB: Lightweight Collaborative Browsing](#)

[Raphael O. Santos](#), [Felipe F. Oliveira](#), [Julio C. P. Antunes](#), [Magnos Martinello](#), [Renata S. S. Guizzardi](#), [Roberta L. Gor](#)

September 2009 **WI-IAT '09: Proceedings of the 2009 IEEE/WIC/ACM International Joint Conference on Web Intelligence and Intelligent Agent Technology - Volume 03**, Volume 03

Publisher: IEEE Computer Society

Full text available:  [PDF](#) (585.60 KB)

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This course reviews concepts and highlights new directions in GeoVisualization. We review four levels of integrating geospatial data and geographic information systems (GIS) with scientific and information visualization (VIS) methods. These include:• ...

23 [Sarbanes-Oxley IT Compliance Using Open Source Tools, 2 edition](#)[Christian B. Lehtu, Roderick Peterson](#)December 2007 **Sarbanes-Oxley IT Compliance Using Open Source Tools, 2 edition****Publisher:** Syngress PublishingFull text available: [The ACM Learning Center](#) / [PDF](#) (9.16 MB)**Bibliometrics:** Downloads (6 Weeks): 9, Downloads (12 Months): 39, Downloads (Overall): 245, Citation Count: 0

The Sarbanes-Oxley Act (officially titled the Public Company Accounting Reform and Investor Protection Act of 2002), signed into law on 30 July 2002 by President Bush, is considered the most significant change to federal securities laws in the United ...

Keywords: Business Software, Computer Science, Computers, Utilities**24** [Securing Citrix Presentation Server in the Enterprise](#)[Tariq Azad](#)June 2008 **Securing Citrix Presentation Server in the Enterprise****Publisher:** Syngress PublishingFull text available: [The ACM Learning Center](#) / [ePub](#) (11.25 MB), [PDF](#) (25.46 MB)**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 23, Downloads (Overall): 98, Citation Count: 0

Citrix Presentation Server allows remote users to work off a network server as if they weren't remote. That means: Incredibly fast access to data and applications for users, no third party VPN connection, and no latency issues. All of these features ...

Keywords: Applied, Computer Science, Computers, Security**25** [The Best Damn Cybercrime and Digital Forensics Book Period](#)[Jack Wiles, Anthony Reyes](#)November 2007 **The Best Damn Cybercrime and Digital Forensics Book Period****Publisher:** Syngress Publishing

Full text available:  [The ACM Learning Center](#) /  [PDF](#) (19.35 MB)

Bibliometrics: Downloads (6 Weeks): 23, Downloads (12 Months): 104, Downloads (Overall): 499, Citation Count:

Electronic discovery refers to a process in which electronic data is sought, located, secured, and searched with the intent of using it as evidence in a legal case. Computer forensics is the application of computer investigation and analysis techniques ...

Keywords: Security

26 [Applying caT's programmable browsing semantics to specify world-wide web documents that reflect place, time, reader, and community](#)

 Richard Furuta, Jin-Cheon Na

November 2002 **DocEng '02:** Proceedings of the 2002 ACM symposium on Document engineering

Publisher: ACM  [Request Permissions](#)

Full text available:  [PDF](#) (947.45 KB)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 4, Downloads (Overall): 301, Citation Count: 8

In this paper we discuss application of caT, which extends the Trellis Petri-net-based model of document/hypertext towards specification of Web-browsable documents that respond to their reader's characteristics, browsing activities, use environment, ...

Keywords: Petri-net-based hypertext, Trellis, caT, context-aware hypertext

27 [Fundamentals of exception handling within workflow-based web applications](#)

[Marco Brambilla](#), [Christina Tziviskou](#)

March 2005 **Journal of Web Engineering**, Volume 4 Issue 1

Publisher: Rinton Press, Incorporated

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count:

As the Web becomes a platform for implementing B2B applications, the need arises of extending Web conceptual modeling from data-centric applications to data- and process-centric applications. New primitives must be put in place to implement workflows ...

Keywords: exception handling, web site design, web site management, workflow

28 [Framework for 3D web-based visualization of HLA-compliant simulations](#)

 Regina B. Araujo, Fabio M. Iwasaki, Ednaldo S. Pizzolatto, Azzedine Boukerche

August 2008 **Web3D '08:** Proceedings of the 13th international symposium on 3D web technology

Publisher: ACM  [Request Permissions](#)

Full text available:  [PDF](#) (460.09 KB)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 9, Downloads (Overall): 326, Citation Count: 2

This paper presents an open standard and Web-based framework that generates HLA-compliant simulation visualization interfaces with support to control and management functionalities. Differently from other existing approaches, our framework can provide ...

Keywords: control and management, distributed simulation, visualization, web 3d

29 [Federating Process-Centered Environments: The Oz Experience](#)

[Israel Z. Ben-Shaul](#), [Gail E. Kaiser](#)

January 1998 **Automated Software Engineering**, Volume 5 Issue 1

Publisher: Kluwer Academic Publishers

Full text available:  [Publisher Site](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count:

We describe two models for federating process-centered environments (PCEs): homogeneous federation among distinct instances of the same environment framework enacting the same or different process models, and heterogeneous federation among diverse ...

Keywords: collaborative work, distributed system, enterprise-wide environment, geographical distribution, internet, process interoperability, software process, workflow management

30 [Activity-based computing for medical work in hospitals](#)

[Jakob E. Bardram](#)

June 2009 **Transactions on Computer-Human Interaction (TOCHI)**, Volume 16 Issue 2**Publisher:** ACM [Request Permissions](#)

Full text available: PDF (4.21 MB)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 103, Downloads (Overall): 1731, Citation Count:

Studies have revealed that people organize and think of their work in terms of activities that are carried out in pursuit of some overall objective, often in collaboration with others. Nevertheless, modern computer systems are typically single-user oriented, ...

Keywords: Framework, activity-awareness, activity-based computing, architecture, cooperation, electronic patient record, ubiquitous computing

31 [Microsoft Windows Server 2008 R2 Administrator's Reference: The Administrator's Essential Reference](#)
[Dustin Hannifin](#)

July 2010 Microsoft Windows Server 2008 R2 Administrator's Reference: The Administrator's Essential Reference

Publisher: Syngress Publishing

Full text available: The ACM Learning Center, ePub (18.10 MB), PDF (49.30 MB)

Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 55, Downloads (Overall): 79, Citation Count: 0

The Microsoft Windows Server 2008 R2 Administrator's Reference is the essential guide to deploying, configuring, and administering a Windows Server 2008 R2 infrastructure. This book includes in-depth discussions and step-by-step exercises to help administrators ...

32 [The Best Damn Windows Server 2008 Book Period, 2 edition](#)
[Anthony Pitzzecker](#)

June 2008 The Best Damn Windows Server 2008 Book Period, 2 edition

Publisher: Syngress Publishing

Full text available: The ACM Learning Center, ePub (12.61 MB), PDF (34.96 MB)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 20, Downloads (Overall): 153, Citation Count: 0

The Second Edition of the Best Damn Windows Server Book Period is completely revised and updated to Windows Server 2008. This book will show you how to increase the reliability and flexibility of your server infrastructure with built-in Web and ...

Keywords: Applied, Computer Science, Computers, Security, Viruses

33 [Interconnecting Smart Objects with IP: The Next Internet](#)

[Jean-Philippe Vasseur, Adam Dunkels](#)

June 2010 Interconnecting Smart Objects with IP: The Next Internet

Publisher: Morgan Kaufmann Publishers Inc.

Full text available: The ACM Learning Center, ePub (8.40 MB), PDF (7.01 MB)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 75, Downloads (Overall): 178, Citation Count: 33

Smart object technology, sometimes called the Internet of Things, is having a profound impact on our day-to-day lives. Interconnecting Smart Objects with IP is the first book that takes a holistic approach to the revolutionary area of IP-based ...

34 [A Review of the Rationale and Architectures of PJama: a Durable, Flexible, Evolvable and Scalable Orthogonally Persistent Programming Platform](#)

[Malcolm Atkinson, Mick Jordan](#)

June 2000 A Review of the Rationale and Architectures of PJama: a Durable, Flexible, Evolvable and Scalable Orthogonally Persistent Programming Platform

Publisher: Sun Microsystems, Inc.

Full text available: PDF (455.97 KB)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 3, Downloads (Overall): 220, Citation Count: 9

A primary goal of research into orthogonal persistence is to simplify significantly the construction, maintenance operation of applications in order to save software costs, extend the range of applications and improve users' experiences. To test ...

35 [Fast detection of communication patterns in distributed executions](#)[Thomas Kunz, Michiel F. H. Seuren](#)November 1997 **CASCON '97: Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research****Publisher:** IBM PressFull text available:  PDF (4.21 MB)**Bibliometrics:** Downloads (6 Weeks): 21, Downloads (12 Months): 199, Downloads (Overall): 7561, Citation Count:

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization that we use is Poet, an event ...

36 [Rapid development of spreadsheet-based web mashups](#)[Woralak Kongdenfha, Boualem Benataallah, Julien Vayssières, Régis Saint-Paul, Fabio Casati](#)April 2009 **WWW '09: Proceedings of the 18th international conference on World wide web****Publisher:** ACMFull text available:  PDF (1.45 MB)**Bibliometrics:** Downloads (6 Weeks): 8, Downloads (12 Months): 20, Downloads (Overall): 594, Citation Count: 13

The rapid growth of social networking sites and web communities have motivated web sites to expose their APIs to external developers who create mashups by assembling existing functionalities. Current APIs, however, aim toward developers with programming ...

Keywords: component model, spreadsheet-based mashup patterns, spreadsheets, web data mashups**37** [Carrying on the e-learning process with a workflow management engine](#)[Mirko Cesarini, Mattia Menga, Roberto Tedesco](#)March 2004 **SAC '04: Proceedings of the 2004 ACM symposium on Applied computing****Publisher:** ACM  Request PermissionsFull text available:  PDF (209.38 KB)**Bibliometrics:** Downloads (6 Weeks): 7, Downloads (12 Months): 27, Downloads (Overall): 1354, Citation Count: 9

In recent years e-learning systems have promised to change the way people learn. However open issues still remain, in particular actual e-learning environments do not consider learning activities as part of the process of learning. Thus, it is not possible ...

Keywords: Workflow Mgmt Systems, e-learning, learning objects**38** [P2P social networking for the rest of US](#)[Zoe Antoniou, Sacha Zytou, Dimitris N. Kalafonou](#)October 2010 **Pervasive and Mobile Computing**, Volume 6 Issue 5**Publisher:** Elsevier Science Publishers B. V.**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count:

The user experience of current P2P Personal and Social networking systems does not meet the usability needs of the technically naive users. This is the motivation behind MyNet, a P2P platform that enables non-expert users to easily organize their resources ...

Keywords: P2P social networking, Secure P2P interaction, Social navigation, Usability, User-centered design**39** [Contextual awareness based communication and coauthoring proximity in the Internet](#)[Dominique Decouchant, Gonzalo Escalada-Imaz, Ana Maria Martinez Enriquez, Sonia Mendoza, Aslam Muhammad](#)May 2009 **Expert Systems with Applications: An International Journal**, Volume 36 Issue 4**Publisher:** Pergamon Press, Inc.**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count:

Taking into account the number of works and studies developed, without any doubt, group awareness constitutes one of the keystones for designing and implementing a groupware application. This research focuses on the design and the development of a Group ...

Keywords: Cooperative authoring on the Web, Group awareness knowledge based system, Synchronous contextual communication**40** [A User-Aware Prefetching Mechanism for Video Streaming](#)[Chung-Ming Huang, Tz-Heng Hsu](#)December 2003 **World Wide Web**, Volume 6 Issue 4**Publisher:** Kluwer Academic Publishers

Full text available:  [Publisher Site](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count:

The randomly and unpredictable user behaviors during a multimedia presentation may cause the long retrieval latency in the client-server connection. To accommodate the above problem, we propose a prefetching scheme using the association rules ...

Keywords: VCR-like functions, caching, continues media, data mining, gateway, prefetching, proxy

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13951789	
	Filing Date		2013-07-26	
	First Named Inventor	Kambiz David Pirnazar		
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	Examiner Name	CHANG, JUNGWON		
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	First Named Inventor	Kambiz David Pirnazar	
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Attorney Docket Number		13PIRNAZ20070	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13951789
	Filing Date		2013-07-26
	First Named Inventor	Kambiz David Pirnazar	
	Art Unit	2454	
	Examiner Name	CHANG, JUNGWON	
	Attorney Docket Number	13PIRNAZ20070	

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Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

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Signature	/Saul Acherman/	Date (YYYY-MM-DD)	2015-07-15
Name/Print	Saul Acherman	Registration Number	72898

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EFS ID:	22970260
Application Number:	13951789
International Application Number:	
Confirmation Number:	4298
Title of Invention:	METHOD AND APPARATUS FOR THE IMPLEMENTATION OF A REAL-TIME, SHARABLE BROWSING EXPERIENCE ON A GUEST DEVICE
First Named Inventor/Applicant Name:	Kambiz David Pirnazar
Customer Number:	61618
Filer:	David V. Jafari./Saul Acherman
Filer Authorized By:	David V. Jafari.
Attorney Docket Number:	13PIRNAZ20070
Receipt Date:	20-JUL-2015
Filing Date:	26-JUL-2013
Time Stamp:	20:47:41
Application Type:	Utility under 35 USC 111(a)

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

App. No.:	13/951,789	Confirmation No.:	4298
Applicant:	Kambiz D. Pirnazar	Art Unit:	2454
Filed:	July 26, 2013	Examiner:	CHANG, JUNGWON
Customer No.:	61618	Attorney Docket No.:	13PIRNAZ20070

For: METHOD AND APPARATUS FOR THE IMPLEMENTATION OF A
 REAL-TIME, SHARABLE BROWSING EXPERIENCE ON A GUEST
 DEVICE

RESPONSE TO NON-FINAL OFFICE ACTION

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

Dear Madam:

In response to the Non-Final Office Action dated April 22, 2015, please amend the
above-identified Application as follows:

IN THE CLAIMS:

1. (Currently Amended) A method performed by a guest device for joining performing a synchronized browsing session administered by a synchronization server, comprising:

~~detecting an activation of a hyperlink associated with said synchronized browsing session;~~

receiving from the synchronization server a session invitation including a session identifier associated with a host device;

activating the session invitation to sending a request to join said synchronized browsing session to said synchronization server ~~in response to said activation of said hyperlink;~~

~~joining said synchronized browsing session;~~

receiving web browsing interaction data from said synchronization server, wherein said web browsing interaction data ~~comprises cookie information~~ is associated with:

a website server that is independent of the synchronization server, and

the host device that has initiated the session invitation; and

operating a browser an application based on said web browsing interaction data received from said synchronization server to access a website server independent of the synchronization server subsequent to the activation of the session invitation.

2. (Cancelled).

3. (Currently Amended) The method of claim 2 1, wherein said invitation comprises ~~said~~ a hyperlink associated with said synchronized browsing session.

4. (Cancelled).

5. (Currently Amended) The method of claim 2 1, wherein said invitation is received via a viable means of communication.

6. (Currently Amended) The method of claim 1, wherein said web browsing interaction data further comprises ~~information related to~~ cookie information associated with the website server ~~shared user input web browsing interactions~~.

7. (Currently Amended) The method of claim 6 1, wherein said web browsing interaction ~~data~~ shared user input web browsing interactions further comprises ~~web browsing interaction~~ data form data associated with the website server.

8. (Currently Amended) The method of claim 6 1, wherein said web browsing interaction data ~~shared user input web browsing interactions~~ further comprise a log-in into a restricted access webpage.

9. (Currently Amended) The method of claim 6, wherein said web browsing interaction data further comprises information related to shared user input web browsing interactions ~~are~~ depicted in a first web browser window.

10. (Original) The method of claim 9, wherein non-shared web browsing interactions are depicted in a second web browser window.

11. (Currently Amended) ~~An apparatus~~ guest device for performing a synchronized browsing session administered by a synchronization server, comprising:

a network interface adapted to communicate with said synchronization server; and

a processor ~~adapted~~ configured to:

~~activate a hyperlink associated with said synchronized browsing session;~~

receive from the synchronization server a session invitation including a session identifier associated with a host device;

activate the session invitation to send a request to join said synchronized browsing session to said synchronization server via said network interface ~~in response to said activation of said hyperlink;~~

~~join said synchronized browsing session;~~

receive web browsing interaction data from said synchronization server,

wherein said web browsing interaction data ~~comprises cookie information is~~ associated with;

a website server that is independent of the synchronization server, and
the host device that has initiated the session invitation; and
operate ~~a browser~~ an application based on said web browsing interaction data
received from said synchronization server to access the website server that is
independent of the synchronization server subsequent to the activation of the session
invitation.

12. (Original) The apparatus of claim 11, further comprising a memory adapted to store one or more software modules for controlling said processor.

13. (Currently Amended) The apparatus of claim 11, wherein said invitation comprises a hyperlink associated with said synchronized browsing session and said hyperlink is received from ~~a~~ the host device via a viable means of communication.

14. (Currently Amended) The apparatus of claim ~~11~~ 13, further comprising a user interface adapted to initiate said processor to send said request in response to a user input.

15. (Original) The apparatus of claim 14, wherein said user input comprises activation of said hyperlink for initializing sending of said request to join said synchronized browsing session.

16. (Original) The apparatus of claim 11, further comprising a user interface adapted to depict shared user input web browsing interactions in a shared web browsing window.

17. (Original) The apparatus of claim 16, wherein information related to said shared user input web browsing interactions comprises web browsing interaction data.

18. (Original) The apparatus of claim 16, wherein said shared user input web browsing interactions further comprise a log-in into a restricted access webpage.

19. (Original) The apparatus of claim 16, wherein said shared user input web browsing interactions are depicted in a first web browser window.

20. (Original) The apparatus of claim 19, wherein non-shared web browsing interactions are depicted in a non-shared web browser window.

REMARKS

In the Non-Final Office Action dated April 22, 2015 (Office Action), the Examiner issued a provisional nonstatutory double patenting rejection, noting that a timely filed disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome the rejection. Furthermore, the Examiner rejected pending claims 1-20. Specifically, claims 1-10 were rejected under 35 U.S.C. 101; claims 1-20 were also rejected under 35 U.S.C. 112(b); and claims 1-20 were rejected under 35 U.S.C. 103(a); Applicant respectfully requests reconsideration and allowance, for the following reasons:

A. Terminal Disclaimer is Concurrently Filed With this Amendment

A terminal disclaimer in compliance with 37 CFR 1.321(c) has been filed to overcome Examiner's provisional rejection based on non-statutory double patenting.

B. Amendments to Claim 1 Obviate Previous 101 Rejection

The Examiner rejected Claims 1-10 under 35 U.S.C. 101 because "the claimed invention is directed to non-statutory subject matter because claim 1 does not tie to a particular machine or hardware. Claim 1 only recites steps, 'detecting', 'sending', 'joining', 'receiving' and 'operating', and does not tie the steps to a particular machine or hardware." Accordingly, Applicant clarified the language of independent Claim 1, which has been amended to make it clear that the method is performed by a guest device in communication with a host device and

a synchronization server. As such, the amendments to Claim 1 overcome the previous 101 rejection.

C. Amendments to Claim 1 and Claim 12 Obviate Previous 112 Rejection

The Examiner rejected Claims 1-20 under 35 U.S.C. 112(b) or 35 U.S.C. 112 (pre-AIA), second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which the inventor, or joint inventor, or for pre-AIA the applicant, regards as the invention. Accordingly, Claim 1 has been amended to make it clear that the method is performed by a guest device in communication with a host device and a synchronization server. Similarly, Claim 11 has also been amended to particularly point out that the apparatus is a guest device, including a network interface and a processor configured to receive and send information communicated between the guest device, a host device, and a synchronization server, as well as operate an application residing on the guest device. As such, the amendments to Claim 1 and Claim 11 overcome the previous 112 rejection.

D. Claims 1-20 Are Not Obvious Under 35 U.S.C. § 103(a)

Claims 1-20 have been rejected under 35 U.S.C. § 103(a) as being unpatentable over Henrick et al, (US 2003/0041108), hereinafter Henrick, in view of Boehringer et al. (US 2005/0138122), hereinafter Boehringer.

To present a *prima facie* case of obviousness, where the claims are rejected over a combination of references under 35 U.S.C. §103, there must be some reason, suggestion, or motivation found in the prior art whereby a person of ordinary skill in the field of the invention would make the combination. That knowledge cannot come from the Applicant's invention

itself. *In re Oetiker*, 977 F. 2d 1443, 1446, 24 USPQ2d 1443, 1445 (Fed. Cir. 1992). Furthermore, “there must be some articulated reasoning with some rational underpinning to support the legal conclusion of obviousness.” *KSR v. Teleflex Inc.*, 550 U.S. 398, 418 (2007) (quoting *In re Kahn*, 441 F.3d 977, 988 (Fed. Cir. 2006)). Similarly, “merely pointing to the presence of claim elements in the prior art is not a complete statement of a rejection for obviousness.” *Crocs, Inc. v. International Trade Commission*, 550 F.3d 1294 (Fed. Cir. 2008). Where the cited reference teaches away from Applicant’s disclosure, there is no prima facie obviousness rejection under 103(a). *In re Grasselli*, 713 F.2d 731, 743 (Fed. Cir. 1983); *see also* MPEP 2145. Moreover, a *prima facie* case of obviousness must establish that the combination of references teaches or suggests each and every element of the claimed invention.

1. Henrick does not disclose receiving and subsequently activating a session invitation.

Henrick teaches “a system and method for enhancing a conversation initiated over the Internet... [in which] it is assumed that [each participant] are or have been engaged in a conversation by some communication means before establishing a collaborative browsing session.” See Henrick at [0028]. Nowhere in Henrick does a synchronization server provide a guest device with a session invitation including a session identifier associated with a host device. This is primarily because Henrick’s server “plays a role only during session set up but has no involvement with communications between participants in the collaborative session itself.” See Henrick at [0038]. This differs from Applicant’s system in which the

synchronization server is involved throughout the communication between the guest device and, a host device, and a separate web server.

2. Boehringer does not disclose a synchronized browsing session involving website servers separate and distinct from the synchronization server.

Boehringer teaches “a method and system for session sharing that allows multiple authorized users (e.g. a remote assistant) to access the same session and synchronize the browser views, when the current state changes.” See Boehringer at [0015]. The system in Boehringer is meant for remote assistance of a client that visits the service provider’s system *exclusively*- no outside web servers can be accessed via this system, and all interaction between a host device and a guest device (and arguably a synchronization component in Boehringer) must occur within the same “server system,” see Boehringer at FIG. 1B and associated discussion.

3. Boehringer does not disclose receiving and subsequently activating a session invitation.

Because Boehringer requires all activity to occur within their system and servers, there is no need, nor mentioned anywhere in Boehringer, for a synchronization server to generate a session identifier associated with a host device, and send that session identifier to the guest device. As such, Boehringer does not disclose receiving and subsequently activating a session invitation in order to “access the website server that is independent of the synchronization server subsequent to the activation of the session invitation,” as is now recited under the amendments to claims 1 and 11.

4. Both Henrick's and Boehringer's disclosures are inconsistent with a synchronization server that generates and provides a guest device with a session invitation in order to access the website server that is independent of the synchronization server subsequent to the activation of the session invitation.

Henrick is interested in facilitating a per-to-peer communication between two devices that have *been in prior communication*, rather than enabling a means for a synchronization server to facilitate and be *involved* in the communication. As such, Henrick never considered enabling a synchronization server that would send out an invitation associated with a host device because Henrick assumes that the users would both visit Henrick's server separately and on their own. Boehringer also assumes that both the "user" and the "user who is allowed to share the session" (see FIG. 1B) must visit and log in to Boehringer's server system 4 (see Boehringer at [0030] and [0033]) - again, no separate web servers are involved in Boehringer because users of that system are not meant to browse to external websites or leave system 4.

5. There is no suggestion that a session invitation associated with a host device may be received by a guest device from a synchronization server in Henrick or in Boehringer.

Because Applicant's and the cited prior art's goals are so vastly different, there is no suggestion or motivation to combine Henrick and Boehringer. Moreover, a combination of these prior art documents does not yield Applicant's invention as claimed in the proposed amendments above. Because Henrick and Boehringer do not disclose the newly recited limitations, Applicant respectfully submits that the claims be reconsidered and allowed.

CONCLUSION

Applicant respectfully requests reconsideration and allowance of all claims as amended. It is believed that all the pending claims have been addressed in this paper. However, failure to address a specific rejection, issue or comment, does not signify agreement with or concession of that rejection, issue or comment. In addition, because the arguments made above are not intended to be exhaustive, there may be reasons for patentability of any or all pending claims (or other claims) that have not been expressed. Finally, nothing in this paper should be construed as an intent to concede any issue with regard to any claim, except as specifically stated in this response, and the amendment of any claim does not necessarily signify concession of unpatentability of the claim prior to its amendment or prior claims.

The Examiner is invited to contact Applicant's undersigned counsel by telephone at (949) 362-0100 to expedite the prosecution of this case should there be any unresolved matters remaining. If necessary, please charge the account associated with customer number 61618.

Respectfully submitted,

/Saul Acherman/

Saul Acherman

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Date: July 20, 2015

Doc Code: DIST.E.FILE Document Description: Electronic Terminal Disclaimer - Filed		PTO/SB/26 U.S. Patent and Trademark Office Department of Commerce
Electronic Petition Request	TERMINAL DISCLAIMER TO OBIATE A DOUBLE PATENTING REJECTION OVER A "PRIOR" PATENT	
Application Number	13951789	
Filing Date	26-Jul-2013	
First Named Inventor	Kambiz Pirnazar	
Attorney Docket Number	13PIRNAZ20070	
Title of Invention	METHOD AND APPARATUS FOR THE IMPLEMENTATION OF A REAL-TIME, SHARABLE BROWSING EXPERIENCE ON A GUEST DEVICE	
☒ 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.		
Owner	Percent Interest	
ACTUAL WORLDS, INC.	100%	
The owner(s) with percent interest listed above in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of prior patent number(s) 8527591 as the term of said prior patent is presently shortened by any terminal disclaimer. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and the prior patent are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns. In making the above disclaimer, the owner does not disclaim the terminal part of the term of any patent granted on the instant application that would extend to the expiration date of the full statutory term of the prior patent, "as the term of said prior patent is presently shortened by any terminal disclaimer," in the event that said prior patent later: - expires for failure to pay a maintenance fee; - is held unenforceable; - is found invalid by a court of competent jurisdiction; - is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321; - has all claims canceled by a reexamination certificate; - is reissued; or - is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer. ☒ Terminal disclaimer fee under 37 CFR 1.20(d) is included with Electronic Terminal Disclaimer request.		

☐ I certify, in accordance with 37 CFR 1.4(d)(4), that the terminal disclaimer fee under 37 CFR 1.20(d) required for this terminal disclaimer has already been paid in the above-identified application.	
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.	
THIS PORTION MUST BE COMPLETED BY THE SIGNATORY OR SIGNATORIES I certify, in accordance with 37 CFR 1.4(d)(4) that I am:	
☒ An attorney or agent registered to practice before the Patent and Trademark Office who is of record in this application Registration Number <u>72898</u>	
☐ 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	/Saul Acherman/
Name	Saul Acherman

*Statement under 37 CFR 3.73(b) is required if terminal disclaimer is signed by the assignee (owner).
 Form PTO/SB/96 may be used for making this certification. See MPEP § 324.

Electronic Patent Application Fee Transmittal				
Application Number:		13951789		
Filing Date:		26-Jul-2013		
Title of Invention:		METHOD AND APPARATUS FOR THE IMPLEMENTATION OF A REAL-TIME, SHARABLE BROWSING EXPERIENCE ON A GUEST DEVICE		
First Named Inventor/Applicant Name:		Kambiz David Pirnazar		
Filer:		David V. Jafari./Saul Acherman		
Attorney Docket Number:		13PIRNAZ20070		
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	1814	1	160	160
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				160

Doc Code: DISQ.E.FILE
Document Description: Electronic Terminal Disclaimer – Approved

Application No.: 13951789

Filing Date: 26-Jul-2013

Applicant/Patent under Reexamination: Pirnazar et al.

Electronic Terminal Disclaimer filed on July 20, 2015

☒ 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	
EFS ID:	22970314
Application Number:	13951789
International Application Number:	
Confirmation Number:	4298
Title of Invention:	METHOD AND APPARATUS FOR THE IMPLEMENTATION OF A REAL-TIME, SHARABLE BROWSING EXPERIENCE ON A GUEST DEVICE
First Named Inventor/Applicant Name:	Kambiz David Pirnazar
Customer Number:	61618
Filer:	David V. Jafari./Saul Acherman
Filer Authorized By:	David V. Jafari.
Attorney Docket Number:	13PIRNAZ20070
Receipt Date:	20-JUL-2015
Filing Date:	26-JUL-2013
Time Stamp:	21:02:28
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$ 160
RAM confirmation Number	7133
Deposit Account	503851
Authorized User	JAFARI, DAVID
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Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)					
File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Electronic Terminal Disclaimer-Filed	eTerminal-Disclaimer.pdf	33728	no	2
			a85e15fae357c295e8d4e67324d84fb89ef36e33		
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	31083	no	2
			5cd4527aa3afb51df298597a7a2568a5ba97363b95		
Warnings:					
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Total Files Size (in bytes):			64811		
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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875					Application or Docket Number 13/951,789		Filing Date 07/26/2013		☐ To be Mailed					
ENTITY: ☐ LARGE ☒ SMALL ☐ MICRO														
APPLICATION AS FILED – PART I														
(Column 1)			(Column 2)											
FOR		NUMBER FILED		NUMBER EXTRA		RATE (\$)		FEE (\$)						
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))		N/A		N/A		N/A								
☐ SEARCH FEE (37 CFR 1.16(k), (j), or (m))		N/A		N/A		N/A								
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))		N/A		N/A		N/A								
TOTAL CLAIMS (37 CFR 1.16(i))		minus 20 =		*		X \$ =								
INDEPENDENT CLAIMS (37 CFR 1.16(h))		minus 3 =		*		X \$ =								
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))		If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).												
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))														
* If the difference in column 1 is less than zero, enter "0" in column 2.						TOTAL								
APPLICATION AS AMENDED – PART II														
(Column 1)			(Column 2)			(Column 3)								
AMENDMENT	07/20/2015		CLAIMS REMAINING AFTER AMENDMENT			HIGHEST NUMBER PREVIOUSLY PAID FOR		PRESENT EXTRA		RATE (\$)		ADDITIONAL FEE (\$)		
	Total (37 CFR 1.16(i))		* 18		Minus	** 20		= 0		X \$40 =		0		
	Independent (37 CFR 1.16(h))		* 2		Minus	***3		= 0		X \$210 =		0		
	☐ Application Size Fee (37 CFR 1.16(s))													
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))													
										TOTAL ADD'L FEE		0		
(Column 1)			(Column 2)			(Column 3)								
AMENDMENT			CLAIMS REMAINING AFTER AMENDMENT			HIGHEST NUMBER PREVIOUSLY PAID FOR		PRESENT EXTRA		RATE (\$)		ADDITIONAL FEE (\$)		
	Total (37 CFR 1.16(i))		*		Minus	**		=		X \$ =				
	Independent (37 CFR 1.16(h))		*		Minus	***		=		X \$ =				
	☐ Application Size Fee (37 CFR 1.16(s))													
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))													
										TOTAL ADD'L FEE				
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3. ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20". *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3". The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.											LIE /JAMES ELLIOTT/			

This collection of information is required by 37 CFR 1.16. 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 12 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, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13951789	
	Filing Date		2013-07-26	
	First Named Inventor		Kambiz David Pirnazar	
	Art Unit		2454	
	Examiner Name		CHANG, JUNGWON	
	Attorney Docket Number		13PIRNAZ20070	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13951789
	Filing Date		2013-07-26
	First Named Inventor	Kambiz David Pirnazar	
	Art Unit	2454	
	Examiner Name	CHANG, JUNGWON	
Attorney Docket Number		13PIRNAZ20070	

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¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.			

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13951789
	Filing Date		2013-07-26
	First Named Inventor	Kambiz David Pirnazar	
	Art Unit	2454	
	Examiner Name	CHANG, JUNGWON	
	Attorney Docket Number	13PIRNAZ20070	

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Saul Acherman/	Date (YYYY-MM-DD)	2010-05-14
Name/Print	Saul Acherman	Registration Number	72898

This collection of information is required by 37 CFR 1.97 and 1.98. 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 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: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

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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 inspections 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 Acknowledgement Receipt	
EFS ID:	22353296
Application Number:	13951789
International Application Number:	
Confirmation Number:	4298
Title of Invention:	METHOD AND APPARATUS FOR THE IMPLEMENTATION OF A REAL-TIME, SHARABLE BROWSING EXPERIENCE ON A GUEST DEVICE
First Named Inventor/Applicant Name:	Kambiz David Pirnazar
Customer Number:	61618
Filer:	David V. Jafari./Saul Acherman
Filer Authorized By:	David V. Jafari.
Attorney Docket Number:	13PIRNAZ20070
Receipt Date:	14-MAY-2015
Filing Date:	26-JUL-2013
Time Stamp:	18:40:17
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment		no			
File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Information Disclosure Statement (IDS) Form (SB08)	updated_IDS_051415.pdf	611993 9fc6b41d12b313ce033fa84119e94ba8b93647e	no	4
Warnings:					
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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 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.

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.



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/951,789	07/26/2013	Kambiz David Pirnazar	13PIRNAZ20070	4298
61618	7590	04/22/2015		
Jafari Law Group, Inc. 120 Vantis, Suite 430 Aliso Viejo, CA 92656			EXAMINER CHANG, JUNGWON	
			ART UNIT 2454	PAPER NUMBER
			NOTIFICATION DATE 04/22/2015	DELIVERY MODE 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):

djafari@jafarilawgroup.com
sacherman@jafarilawgroup.com

DETAILED ACTION

1. This Office action is in response to application filed on 7/26/2013.
2. Claims 1-20 are presented for examination.
3. The present application is being examined under the pre-AIA first to invent provisions.

Claim Rejections - 35 USC § 101

4. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.
5. Claims 1-10 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter because claim 1 does not tie to a particular machine or hardware. Claim 1 only recites steps, "detecting", "sending", "joining", "receiving" and "operating", and does not tie the steps to a particular machine or hardware.

Claim Rejections - 35 USC § 112

6. 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.

7. Claims 1-20 are rejected under 35 U.S.C. 112(b) or 35 U.S.C. 112 (pre-AIA), second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which the inventor or a joint inventor, or for pre-AIA the applicant regards as the invention.

i. As to claims 1 and 11, each steps of claims 1 and 11 do not clearly indicate who or device performs the steps. It does not point out who “detects an activation of a hyperlink”, who “sends a request to join said synchronized browsing session”, who “joins the session”, who “receives data”, and who “operates a browser”. Appropriate correction is required.

Double Patenting

8. 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 obviousness-type double patenting rejection is appropriate where the conflicting claims 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 conflicting 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.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

9. Claims 1-20 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-15 of U.S. Patent No. 8,527,591. Although the claims at issue are not identical, they are not patentably distinct from each other because claims 1-15 of U.S. Patent No. 8,527,591 contain every element of claims 1-20 of the instant application. Claims of the instant application therefore are not patently distinct from the earlier patent claims and as such are unpatentable over obvious-type double patenting.

"A later patent claim is not patentably distinct from an earlier patent claim if the later claim is obvious over, or anticipated by, the earlier claim. *In re Longi*, 759 F.2d at 896, 225 USPQ at 651 (affirming a holding of obviousness-type double patenting

because the claims at issue were obvious over claims in four prior art patents); In re Berg, 140 F.3d at 1437, 46 USPQ2d at 1233 (Fed. Cir. 1998) (affirming a holding of obviousness-type double patenting where a patent application claim to a genus is anticipated by a 35 patent claim to a species within that genus). " ELI LILLY AND COMPANY v BARR LABORATORIES, INC., United States Court of Appeals for the Federal Circuit, ON PETITION FOR REHEARING EN BANC (DECIDED: May 30, 2001).

Claim Rejections - 35 USC § 103

10. 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 of this title, 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.

11. Claims 1-20 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Henrick et al, (US 2003/0041108), hereinafter Henrick, in view of Boehringer et al, (US 2005/0138122), hereinafter Boehringer.

12. As to claim 1, Henrick discloses the invention as claimed, including a method for performing a synchronized browsing session administered by a synchronization server, comprising:

detecting an activation of a hyperlink associated with said synchronized browsing session (para 0029-0030, "software component 115 facilitates various aspects of

system operation...monitoring user browsing"; 0031, "URL monitoring"; 0039, "web pages comprise a series of embedded URLs");

sending a request to join said synchronized browsing session to said synchronization server in response to said activation of said hyperlink (para 0032, "invites another participant...to participate in the collaborative session"; 0033-0035);

joining said synchronized browsing session (para 0036, "collaborative browsing may begin");

receiving data from said synchronization server (figs. 2, 7; para 0030-0031); and
operating a browser based on said data received from said synchronization server (figs. 2, 7; para 0020, "joins a collaborative browsing session"; 0025, "operation in which participants to a collaborative browsing session may synchronously view streaming media"; 0026).

13. Although it would be obvious and well known in the art that server sends cookie information to clients in order to track a session, Henrick does not specifically disclose receiving cookie information from server. However, Boehringer discloses receiving cookie information associated with a website (para 0036; 0048, "creating cookies"; 0049, "server creates a cookie header"; 0054). It would have been obvious to one of ordinary skill in the art to modify the system of Henrick by including cookie information, as taught by Boehringer. One having ordinary skill in the art would have been motivated to combine the teachings of Henrick and Boehringer because Boehringer's teaching would enhance the collaboration session by allowing a user to join an existing session

using the cookie data (para 0036; 0054).

14. As to claim 2, Henrick discloses the method of claim 1, further comprising receiving an invitation to join said synchronized browsing session (para 0032, “invites another participant...to participate in the collaborative session”; 0033-0035).

15. As to claim 3, Henrick discloses the method of claim 2, wherein said invitation comprises said hyperlink associated with said synchronized browsing session (para 0032, “provides user 2 with the session name and URL”; 0033-0035).

16. As to claim 4, Henrick discloses the method of claim 2, wherein said invitation further comprises a session identifier (206, fig. 2; para 0032, “provides user 2 with the session name”; 0033-0035).

17. As to claim 5, Henrick discloses the method of claim 2, wherein said invitation is received via a viable means of communication (fig. 2; para 0032, “invites another participant...to participate in the collaborative session”; 0033-0035).

18. As to claim 6, Henrick discloses the method of claim 1, wherein said data further comprises information related to shared user input web browsing interactions (para 0003, “sharing Internet material by sending files”; 0006; 0093, “shared browsing with participant devices 705”; 0097; 0105).

19. As to claim 7, Henrick discloses the method of claim 6, wherein said shared user input web browsing interactions further comprise web browsing interaction data (para 0003, “sharing Internet material by sending files”; 0006; 0093, “shared browsing with participant devices 705”; 0097; 0105).

20. As to claim 8, Henrick discloses the method of claim 6, wherein said shared user input web browsing interactions further comprise a log-in into a restricted access webpage (para 0095, “server 101 may want to prevent or limit participant access to such sites”).

21. As to claim 9, Henrick discloses the method of claim 6, wherein said shared user input web browsing interactions are depicted in a first web browser window (para 0031; 0080; 0104; claim 13).

22. As to claim 10, Henrick discloses the method of claim 9, wherein non-shared web browsing interactions are depicted in a second web browser window (para 0031; 0080; 0104; claim 13).

23. As to claim 11, it is rejected for the same reasons set forth in claim 1 above. In addition, Henrick discloses an apparatus for performing a synchronized browsing session administered by a synchronization server, comprising: a network interface adapted to communicate with said synchronization server; and a processor (fig. 1; para

0026-0027; 0030-0031).

24. As to claim 12, Henrick discloses the apparatus of claim 11, further comprising a memory adapted to store one or more software modules for controlling said processor (fig. 1; para 0030-0031).

25. As to claim 13, Henrick discloses the apparatus of claim 11, wherein said hyperlink is received from a host device via a viable means of communication (para 0032).

26. As to claim 14, Henrick discloses the apparatus of claim 11, further comprising a user interface adapted to initiate said processor to send said request in response to a user input (para 0032, "invites another participant...to participate in the collaborative session"; 0033-0035).

27. As to claim 15, Henrick discloses the apparatus of claim 14, wherein said user input comprises activation of said hyperlink for initializing sending of said request to join said synchronized browsing session (para 0032, "invites another participant...to participate in the collaborative session...provides user 2 with the session name and URL"; 0033-0035).

28. As to claim 16, it is rejected for the same reasons set forth in claim 6 above.

29. As to claim 17, it is rejected for the same reasons set forth in claim 7 above.

30. As to claim 18, it is rejected for the same reasons set forth in claim 8 above.

31. As to claim 19, it is rejected for the same reasons set forth in claim 9 above.

32. As to claim 20, it is rejected for the same reasons set forth in claim 10 above.

33. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

Fiedorowicz et al, US 2010/0191799, Bove et al, US 2009/0164581, Berger et al, US 2008/0301562, Sakaguchi et al, US 2005/0108330 disclose method and system for conducting collaboration between computers.

34. Any inquiry concerning this communication or earlier communications from the examiner should be directed to JUNGWON CHANG whose telephone number is (571)272-3960. The examiner can normally be reached on M-F 8:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph E. Avellino can be reached on 571-272-3905. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2454

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. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. 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.

/JUNGWON CHANG/
Primary Examiner, Art Unit 2454
April 18, 2015

Notice of References Cited	Application/Control No. 13/951,789	Applicant(s)/Patent Under Reexamination PIRNAZAR, KAMBIZ DAVID	
	Examiner JUNGWON CHANG	Art Unit 2454	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-8,527,591	09-2013	Pirnazar, Kambiz David	709/205
*	B	US-2003/0041108	02-2003	Henrick et al.	709/205
*	C	US-2005/0138122	06-2005	Boehringer et al.	709/205
*	D	US-2010/0191799	07-2010	Fiedorowicz et al.	709/203
*	E	US-2009/0164581	06-2009	Bove et al.	709/205
*	F	US-2008/0301562	12-2008	Berger et al.	715/733
*	G	US-2005/0108330	05-2005	Sakaguchi et al.	709/205
	H	US-			
	I	US-			
	J	US-			
	K	US-			
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FOREIGN PATENT DOCUMENTS

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*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.

Doc code: IDS

PTO/SB/08a (01-10)

Doc description: Information Disclosure Statement (IDS) Filed

Approved for use through 07/31/2012. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		
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	First Named Inventor		
	Art Unit		
	Examiner Name		
	Attorney Docket Number		

U.S.PATENTS						Remove
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	7533146		2009-05-12	Kumar	
	2	7287054		2007-10-23	Lee et al.	
	3	7062465		2006-06-13	Shafiee et al.	
	4	7991740		2011-08-02	McCarthy et al.	
	5	6035332		2000-03-07	Ingrassia et al.	
	6	6418471		2002-07-09	Shelton et al.	
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	Filing Date		
	First Named Inventor		
	Art Unit		
	Examiner Name		
	Attorney Docket Number		

	1	20020083134		2002-06-27	Bauer Jr. et al.	
	2	20090228798		2009-09-10	Kephart et al.	
	3	20090249216		2009-10-01	Charka et al.	
	4	20100191799		2010-07-29	Fiedorowicz et al.	
	5	20090044216		2009-02-12	McNicol	
	6	20090158163		2009-06-18	Stephens et al.	
	7	20050114789		2005-05-26	Chang et al.	
	8	20060089978		2006-04-27	Lee et al.	
	9	20030041108		2003-02-27	Henrick et al.	
	10	20080028323		2008-01-31	Rosen et al.	
	11	20050198162		2005-09-08	Bauer Jr. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		
	Filing Date		
	First Named Inventor		
	Art Unit		
	Examiner Name		
	Attorney Docket Number		

	12	20070250841		2007-10-25	Scahill et al.	
	13	20060129642		2006-06-15	Qian et al.	
	14	20100037153		2010-02-11	Rogers	
	15	20090164581		2009-06-25	Bove et al.	

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Examiner Signature	/Jungwon Chang/	Date Considered	04/14/2015

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		
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¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

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	Filing Date		
	First Named Inventor		
	Art Unit		
	Examiner Name		
	Attorney Docket Number		

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/David V. Jafari/	Date (YYYY-MM-DD)	2013-07-18
Name/Print	David V. Jafari	Registration Number	51839

This collection of information is required by 37 CFR 1.97 and 1.98. 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 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: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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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 the Freedom of Information Act requires disclosure of these records.
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).
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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.
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Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (01-10)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13951789
	Filing Date		2013-07-26
	First Named Inventor	Pirnazar, Kambiz David	
	Art Unit	2447	
	Examiner Name		
	Attorney Docket Number		

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	1	20020073152	A1	2002-06-13	Andrew			
	2	20040100507	A1	2004-05-27	Hayner			
	3	20050097107	A1	2005-05-05	Burt			
	4	20080289029	A1	2008-11-20	Kim			
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	Examiner Name		
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Examiner Signature	/Jungwon Chang/	Date Considered	04/14/2015
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¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

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OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/David V. Jafari/	Date (YYYY-MM-DD)	2013-11-11
Name/Print	David V. Jafari	Registration Number	51839

This collection of information is required by 37 CFR 1.97 and 1.98. 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 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: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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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.
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Search Notes 	Application/Control No. 13951789	Applicant(s)/Patent Under Reexamination PIRNAZAR, KAMBIZ DAVID
	Examiner JUNGWON CHANG	Art Unit 2454

CPC- SEARCHED		
Symbol	Date	Examiner
H04L 65/1069	4/18/2015	JWC
G06F 17/30873	4/18/2015	JWC

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
709	205, 203	4/18/2015	JWC
715	733	4/18/2015	JWC

SEARCH NOTES		
Search Notes	Date	Examiner
East search report attached	4/18/2015	JWC
Inventor name searched	4/18/2015	JWC

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

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EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L12	2	"8527591"	US-PGPUB; USPAT	OR	OFF	2015/04/18 00:35
L13	2	12 AND ((G06F17/30873 OR H04L65/1069).CPC.)	US-PGPUB; USPAT	OR	OFF	2015/04/18 00:36
L14	1	"20130311664"	US-PGPUB; USPAT	OR	OFF	2015/04/18 00:36
L15	1	14 AND ((G06F17/30873 OR H04L65/1069).CPC.)	US-PGPUB; USPAT	OR	OFF	2015/04/18 00:36
S1	11	((("20020083134") or ("20090228798") or ("20090249216") or ("20100191799") or ("20090044216") or ("20090158163") or ("20050114789") or ("20060089978") or ("20030041108") or ("20080028323") or ("20050198162")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/04/14 22:47
S2	10	((("7533146") or ("7287054") or ("7062465") or ("7991740") or ("6035332") or ("6418471") or ("20070250841") or ("20060129642") or ("20100037153") or ("20090164581")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/04/14 22:49
S3	4	((("20020073152") or ("20040100507") or ("20050097107") or ("20080289029")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/04/14 22:50
S4	1	("20090241037").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/04/14 22:50
S6	5	((Kambiz) near2 (Pirnazar)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/04/14 22:52
S7	11	(syn\$9 with (shar\$6 collaborat\$6)) and (S1 S2 S3 S4)	US-PGPUB; USPAT	OR	OFF	2015/04/14 23:02
S8	4	(syn\$9 with (hyperlink\$5 link\$5)) and (S1 S2 S3 S4)	US-PGPUB; USPAT	OR	OFF	2015/04/14 23:41
S9	542	(syn\$9 with hyperlink\$5) and (shar\$5 collaborat\$5)	US-PGPUB; USPAT	OR	OFF	2015/04/14 23:42
S10	338	S9 and @ad<"20100520"	US-PGPUB; USPAT	OR	OFF	2015/04/14 23:43
S11	302	((syn synchron\$9) with hyperlink\$5) and (shar\$5 collaborat\$5)	US-PGPUB;	OR	OFF	2015/04/14 23:43

			USPAT			
S12	205	S11 and @ad<"20100520"	US-PGPUB; USPAT	OR	OFF	2015/04/14 23:43
S13	126	S11 and @ad<"20100520" and ("709"/\$ "715"/\$).ccls.	US-PGPUB; USPAT	OR	OFF	2015/04/14 23:44
S14	49	"7263526"	US-PGPUB; USPAT	OR	OFF	2015/04/16 21:13
S15	2	"8527591"	US-PGPUB; USPAT	OR	OFF	2015/04/16 21:32
S16	1	"20130311664"	US-PGPUB; USPAT	OR	OFF	2015/04/16 21:33
S22	2	((("20130311664") or ("8527591")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/04/17 07:36
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S28	297	S27 and @ad<"20100520" and ("709"/\$ "715"/\$).ccls.	US-PGPUB; USPAT	OR	OFF	2015/04/17 09:03
S29	62	((syn synchron\$9) with (shar\$6 collaborat\$6)) same (cookie\$5)	US-PGPUB; USPAT	OR	OFF	2015/04/17 09:03
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S31	100	((syn synchron\$9) with session\$5) and (window\$5 with (shar\$6 collaborat\$6)) and (cookie\$5)	US-PGPUB; USPAT	OR	OFF	2015/04/17 09:05
S32	47	S31 and @ad<"20100520" and ("709"/\$ "715"/\$).ccls.	US-PGPUB; USPAT	OR	OFF	2015/04/17 09:05
S36	1	"20140059176"	US-PGPUB; USPAT	OR	OFF	2015/04/17 18:58

4/18/2015 12:36:38 AM

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Index of Claims 	Application/Control No. 13951789	Applicant(s)/Patent Under Reexamination PIRNAZAR, KAMBIZ DAVID
	Examiner JUNGWON CHANG	Art Unit 2454

✓	Rejected
=	Allowed

-	Cancelled
÷	Restricted

N	Non-Elected
I	Interference

A	Appeal
O	Objected

☐ Claims renumbered in the same order as presented by applicant			☐ CPA			☐ T.D.			☐ R.1.47		
CLAIM		DATE									
Final	Original	04/18/2015									
	1	✓									
	2	✓									
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	7	✓									
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	16	✓									
	17	✓									
	18	✓									
	19	✓									
	20	✓									

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /JWC/

PTO/SB/08a (01-10)

Doc description: Information Disclosure Statement (IDS) Filed

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13951789	
	Filing Date		2013-07-26	
	First Named Inventor	Pirnazar, Kambiz David		
	Art Unit	2447		
	Examiner Name	CHANG, JUNGWON		
Attorney Docket Number		13PIRNAZ20070		

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Examiner Signature	/Jungwon Chang/	Date Considered	04/14/2015
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Signature	/David V. Jafari/	Date (YYYY-MM-DD)	2015-02-27
Name/Print	David V. Jafari	Registration Number	51839

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	1	20090241037		2009-09-24	Hyndman			
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13951789
	Filing Date		2013-07-26
	First Named Inventor	Pirnazar, Kambiz David	
	Art Unit	2447	
	Examiner Name	CHANG, JUNGWON	
	Attorney Docket Number	13PIRNAZ20070	

	1		☐
If you wish to add additional non-patent literature document citation information please click the Add button Add			
EXAMINER SIGNATURE			
Examiner Signature		Date Considered	
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			
¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.			

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	Art Unit	2447	
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	Attorney Docket Number	13PIRNAZ20070	

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/David V. Jafari/	Date (YYYY-MM-DD)	2015-02-27
Name/Print	David V. Jafari	Registration Number	51839

This collection of information is required by 37 CFR 1.97 and 1.98. 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 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: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

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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 the Freedom of Information Act requires disclosure of these records.
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 inspections 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 Acknowledgement Receipt	
EFS ID:	21627645
Application Number:	13951789
International Application Number:	
Confirmation Number:	4298
Title of Invention:	METHOD AND APPARATUS FOR THE IMPLEMENTATION OF A REAL-TIME, SHARABLE BROWSING EXPERIENCE ON A GUEST DEVICE
First Named Inventor/Applicant Name:	Kambiz David Pirnazar
Customer Number:	61618
Filer:	David V. Jafari./Saul Acherman
Filer Authorized By:	David V. Jafari.
Attorney Docket Number:	13PIRNAZ20070
Receipt Date:	27-FEB-2015
Filing Date:	26-JUL-2013
Time Stamp:	17:13:17
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment		no			
File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Information Disclosure Statement (IDS) Form (SB08)	updated_IDS_022715.pdf	611937 98c930f914b6374ebdf4ff3d7b625aa6704a35de	no	4
Warnings:					
Information:					

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New Applications Under 35 U.S.C. 111

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.

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.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/951,789	07/26/2013	Kambiz David Pirnazar		4298
61618 7590 06/02/2014 JAFARI LAW GROUP, P.C. 120 Vantis STE 430 Aliso Viejo, CA 92656			EXAMINER CHANG, JUNGWON	
			ART UNIT 2454	PAPER NUMBER
			MAIL DATE 06/02/2014	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.



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APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
13/951,789	26 July, 2013	PIRNAZAR, KAMBIZ DAVID	

JAFARI LAW GROUP, P.C. 120 Vantis STE 430 Aliso Viejo, CA 92656		EXAMINER	
		ANTHONY LOVER	
		ART UNIT	PAPER
		OPIM	20140530

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner for Patents

Attached is a communication to applicant explaining that the instant application is being identified as a pre-AIA application despite applicant's statement under 37 CFR 1.55 or 1.78 made in the instant application, either on the Application Data Sheet (ADS) or in an otherwise filed paper.

**Application Identified as a Pre-AIA Application
Despite the 37 CFR 1.55 or 1.78 Statement of Record**

The statement under 37 CFR 1.55 or 1.78 (“the 1.55/1.78 statement”) and the domestic benefit/national stage information in this application conflict as to whether this application is to be examined under the AIA (First Inventor to File) or pre-AIA (First to Invent) law.

This application, with a filing date on or after March 16, 2013, contains the 1.55/1.78 statement indicating that this application should be examined under the AIA (First Inventor to File). This statement was either (1) on the Application Data Sheet (ADS) by virtue of the 1.55/1.78 statement for AIA (First Inventor to File) Transition Applications check box being selected or (2) in an otherwise filed paper. The 1.55/1.78 statement provided:

This application * * * contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.

However, this application is separately identified in the Domestic Benefit/National Stage Information section of the ADS as a continuation (CON) or divisional (DIV) of an application filed before March 16, 2013, indicating that this application should be examined under pre-AIA (First to Invent) law because it does not contain, or did not contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013. DUE TO THIS APPLICATION BEING IDENTIFIED AS A CONTINUATION OR DIVISIONAL OF AN APPLICATION FILED BEFORE MARCH 16, 2013, THIS APPLICATION IS BEING IDENTIFIED AS A PRE-AIA (FIRST TO INVENT) APPLICATION DESPITE THE 1.55/1.78 STATEMENT OF RECORD.

Accordingly, this application is/will be examined under pre-AIA (First to Invent) law; all forthcoming Office actions on the merits will be labeled “**AIA (First Inventor to File) Status: No**” (see upper right box on form PTOL-37/37D and/or PTOL-326/326AE).

Moreover, if applicant has received any Office action on the merits, which identified the instant application as “**AIA (First Inventor to File) Status: Yes**,” said Status information was in error and is hereby corrected to “**No**” to indicate that that the present application is a pre-AIA (First to Invent) application.

NO RESPONSE TO THIS COMMUNICATION IS REQUIRED UNLESS APPLICANT BELIEVES THAT THE APPLICATION CONTAINS, OR EVER CONTAINED A CLAIM TO A CLAIMED INVENTION HAVING AN EFFECTIVE FILING DATE ON OR AFTER MARCH 16, 2013 AND IS AN AIA (FIRST INVENTOR TO FILE) APPLICATION.

If applicant believes that the application is an AIA (First Inventor to File) application, applicant must file a corrected ADS (with appropriate markings as set forth in 37 CFR 1.76(c)(2)) identifying the instant application as a **continuation-in-part (CIP)** application in the Domestic Benefit/National Stage Information section of the ADS and request in writing that the application

be examined under the AIA (First Inventor to File) because the identification of the application as a CON/DIV application on filing was an error. IN THIS SITUATION, APPLICANT'S RESPONSE IS DUE WITHIN TWO MONTHS OF THE MAILING DATE OF THIS COMMUNICATION; THE RESPONSE PERIOD IS NOT EXTENDABLE UNDER 37 CFR 1.136.

Questions regarding this communication may be directed to a TC AIA Specialist as appropriate.

Technology Center	TC AIA Specialist	Contact Information
1600, 1700, 2900	Kathleen Bragdon	(571) 272-0931
2100, 2400	Christopher Grant	(571) 272-7294
2600, 2800	Cassandra Spyrou	(571) 272-1624
3600, 3700	Tom Hughes	(571) 272-4357



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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
13/951,789	07/26/2013	Kambiz David Pirnazar	

CONFIRMATION NO. 4298

PUBLICATION NOTICE



0000000065125960

61618
JAFARI LAW GROUP, P.C.
120 Vantis
STE 430
Aliso Viejo, CA 92656

Title:METHOD AND APPARATUS FOR THE IMPLEMENTATION OF A REAL-TIME, SHARABLE BROWSING EXPERIENCE ON A GUEST DEVICE

Publication No.US-2013-0311664-A1

Publication Date:11/21/2013

NOTICE OF PUBLICATION OF APPLICATION

The above-identified application will be electronically published as a patent application publication pursuant to 37 CFR 1.211, et seq. The patent application publication number and publication date are set forth above.

The publication may be accessed through the USPTO's publically available Searchable Databases via the Internet at www.uspto.gov. The direct link to access the publication is currently <http://www.uspto.gov/patft/>.

The publication process established by the Office does not provide for mailing a copy of the publication to applicant. A copy of the publication may be obtained from the Office upon payment of the appropriate fee set forth in 37 CFR 1.19(a)(1). Orders for copies of patent application publications are handled by the USPTO's Office of Public Records. The Office of Public Records can be reached by telephone at (703) 308-9726 or (800) 972-6382, by facsimile at (703) 305-8759, by mail addressed to the United States Patent and Trademark Office, Office of Public Records, Alexandria, VA 22313-1450 or via the Internet.

In addition, information on the status of the application, including the mailing date of Office actions and the dates of receipt of correspondence filed in the Office, may also be accessed via the Internet through the Patent Electronic Business Center at www.uspto.gov using the public side of the Patent Application Information and Retrieval (PAIR) system. The direct link to access this status information is currently <http://pair.uspto.gov/>. Prior to publication, such status information is confidential and may only be obtained by applicant using the private side of PAIR.

Further assistance in electronically accessing the publication, or about PAIR, is available by calling the Patent Electronic Business Center at 1-866-217-9197.

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13951789
	Filing Date		2013-07-26
	First Named Inventor	Pirnazar, Kambiz David	
	Art Unit	2447	
	Examiner Name		
	Attorney Docket Number		

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	1	20020073152	A1	2002-06-13	Andrew			
	2	20040100507	A1	2004-05-27	Hayner			
	3	20050097107	A1	2005-05-05	Burt			
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	Examiner Name		
Attorney Docket Number			

	1							☐
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Examiner Signature		Date Considered	
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Signature	/David V. Jafari/	Date (YYYY-MM-DD)	2013-11-11
Name/Print	David V. Jafari	Registration Number	51839

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Electronic Acknowledgement Receipt	
EFS ID:	17364811
Application Number:	13951789
International Application Number:	
Confirmation Number:	4298
Title of Invention:	METHOD AND APPARATUS FOR THE IMPLEMENTATION OF A REAL-TIME, SHARABLE BROWSING EXPERIENCE ON A GUEST DEVICE
First Named Inventor/Applicant Name:	Kambiz David Pirnazar
Customer Number:	61618
Filer:	David V. Jafari./Andre Ausseresses
Filer Authorized By:	David V. Jafari.
Attorney Docket Number:	
Receipt Date:	11-NOV-2013
Filing Date:	26-JUL-2013
Time Stamp:	14:11:48
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment		no			
File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Information Disclosure Statement (IDS) Form (SB08)	updated_IDS_111113.pdf	612266 c825c86a7b691251e10d53fd89cb3fe2a5e1ab8a	no	4
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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO.	TOT CLAIMS	IND CLAIMS
13/951,789	07/26/2013	2447	730		20	2

CONFIRMATION NO. 4298

FILING RECEIPT



61618
JAFARI LAW GROUP, P.C.
120 Vantis
STE 430
Aliso Viejo, CA 92656

Date Mailed: 08/15/2013

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

Inventor(s)

Kambiz David Pirnazar, Los Angeles, CA;

Applicant(s)

Actual Worlds, Inc., Los Angeles, CA

Power of Attorney: The patent practitioners associated with Customer Number 61618

Domestic Priority data as claimed by applicant

This application is a CON of 12/783,743 05/20/2010 PAT 8527591

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

If Required, Foreign Filing License Granted: 08/09/2013

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 13/951,789**

Projected Publication Date: 11/21/2013

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

METHOD AND APPARATUS FOR THE IMPLEMENTATION OF A REAL-TIME, SHARABLE
BROWSING EXPERIENCE ON A GUEST DEVICE

Preliminary Class

709

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: Yes

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

SelectUSA

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 U.S. offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to promote and facilitate business investment. SelectUSA provides information assistance to the international investor community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop technology, manufacture products, deliver services, and grow your business, visit <http://www.SelectUSA.gov> or call +1-202-482-6800.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875						Application or Docket Number 13/951,789				
APPLICATION AS FILED - PART I										
(Column 1)		(Column 2)		SMALL ENTITY		OR OTHER THAN SMALL ENTITY				
FOR	NUMBER FILED	NUMBER EXTRA		RATE(\$)	FEE(\$)	RATE(\$)	FEE(\$)			
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A		N/A	70	N/A				
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A		N/A	300	N/A				
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A		N/A	360	N/A				
TOTAL CLAIMS (37 CFR 1.16(i))	20	minus 20 =	*	x 40 =	0.00	OR				
INDEPENDENT CLAIMS (37 CFR 1.16(h))	2	minus 3 =	*	x 210 =	0.00					
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).				0.00					
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))					0.00					
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL	730	TOTAL				
APPLICATION AS AMENDED - PART II										
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY		OR OTHER THAN SMALL ENTITY		
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE(\$)	ADDITIONAL FEE(\$)	RATE(\$)	ADDITIONAL FEE(\$)		
	Total (37 CFR 1.16(i))	*	Minus	**	=	x	=	OR	x	=
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x	=	OR	x	=
	Application Size Fee (37 CFR 1.16(s))							OR		
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
TOTAL ADD'L FEE							OR	TOTAL ADD'L FEE		
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE(\$)	ADDITIONAL FEE(\$)	RATE(\$)	ADDITIONAL FEE(\$)		
	Total (37 CFR 1.16(i))	*	Minus	**	=	x	=	OR	x	=
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x	=	OR	x	=
	Application Size Fee (37 CFR 1.16(s))							OR		
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
TOTAL ADD'L FEE							OR	TOTAL ADD'L FEE		
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3. ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20". *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3". The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1.										



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www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
13/951,789	07/26/2013	Kambiz David Pirnazar	

61618
JAFARI LAW GROUP, P.C.
120 Vantis
STE 430
Aliso Viejo, CA 92656

CONFIRMATION NO. 4298
POA ACCEPTANCE LETTER



OC000000063175559

Date Mailed: 08/15/2013

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 07/26/2013.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

/nton/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

Doe Code: PA..

Document Description: Power of Attorney

PTO/AIA/82A (07-12)

Approved for use through 11/30/2014. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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NOTE: This form is to be submitted with the Power of Attorney by Applicant form (PTO/AIA/82B or equivalent) to identify the application to which the Power of Attorney is directed, in accordance with 37 CFR 1.5. If the Power of Attorney by Applicant form is not accompanied by this transmittal form or an equivalent, the Power of Attorney will not be recognized in the application.

Application Number			
Filing Date			
First Named Inventor	Kambiz David Pirnazar		
Title	METHOD AND APPARATUS FOR THE IMPLEMENTATION OF A F		
Art Unit	2454		
Examiner Name			
Attorney Docket Number			
SIGNATURE of Applicant or Patent Practitioner			
Signature	/David V. Jafari/	Date	
Name	David V. Jafari	Telephone	(949) 362-0100
Registration Number	51839		
NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications.			
☒ *Total of 1 forms are submitted.			

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. 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 1.11 and 1.14. This collection is estimated to take 3 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, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: 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.

POWER OF ATTORNEY BY APPLICANT

I hereby revoke all previous powers of attorney given in the application identified in the attached transmittal letter.

- ☒ I hereby appoint Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A or equivalent):

61618

OR

- ☐ I hereby appoint Practitioner(s) named below as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A or equivalent):

Name	Registration Number	Name	Registration Number

Please recognize or change the correspondence address for the application identified in the attached transmittal letter to:

- ☒ The address associated with the above-mentioned Customer Number.

OR

- ☐ The address associated with Customer Number:

OR

☐ Firm or Individual Name

Address

City

State

Zip

Country

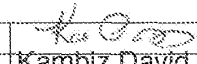
Telephone

Email

I am the Applicant:

- ☒ Inventor or Joint Inventor
- ☐ Legal Representative of a Deceased or Legally Incapacitated Inventor
- ☐ Assignee or Person to Whom the Inventor is Under an Obligation to Assign
- ☐ Person Who Otherwise Shows Sufficient Proprietary Interest (e.g., a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document)

SIGNATURE of Applicant for Patent

Signature		Date	7-23-2013
Name	Kambiz David Pirnazar	Telephone	301-422-3963
Title and Company	CEO/Co-founder: Actual Worlds, Inc.		

NOTE: Signature - This form must be signed by the applicant in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. Submit multiple forms for more than one signature, see below *.

☒ *Total of 1 forms are submitted.

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Privacy Act Statement

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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.

Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (01-10)

Approved for use through 07/31/2012. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		
	Filing Date		
	First Named Inventor		
	Art Unit		
	Examiner Name		
	Attorney Docket Number		

U.S.PATENTS						Remove
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	7533146		2009-05-12	Kumar	
	2	7287054		2007-10-23	Lee et al.	
	3	7062465		2006-06-13	Shafiee et al.	
	4	7991740		2011-08-02	McCarthy et al.	
	5	6035332		2000-03-07	Ingrassia et al.	
	6	6418471		2002-07-09	Shelton et al.	
If you wish to add additional U.S. Patent citation information please click the Add button.						Add
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Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear

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	Filing Date		
	First Named Inventor		
	Art Unit		
	Examiner Name		
	Attorney Docket Number		

	1	20020083134		2002-06-27	Bauer Jr. et al.	
	2	20090228798		2009-09-10	Kephart et al.	
	3	20090249216		2009-10-01	Charka et al.	
	4	20100191799		2010-07-29	Fiedorowicz et al.	
	5	20090044216		2009-02-12	McNicoll	
	6	20090158163		2009-06-18	Stephens et al.	
	7	20050114789		2005-05-26	Chang et al.	
	8	20060089978		2006-04-27	Lee et al.	
	9	20030041108		2003-02-27	Henrick et al.	
	10	20080028323		2008-01-31	Rosen et al.	
	11	20050198162		2005-09-08	Bauer Jr. et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		
	Filing Date		
	First Named Inventor		
	Art Unit		
	Examiner Name		
	Attorney Docket Number		

	12	20070250841		2007-10-25	Scahill et al.	
	13	20060129642		2006-06-15	Qian et al.	
	14	20100037153		2010-02-11	Rogers	
	15	20090164581		2009-06-25	Bove et al.	

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	1							☐

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Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
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Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	
	Filing Date	
	First Named Inventor	
	Art Unit	
	Examiner Name	
	Attorney Docket Number	

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		
	Filing Date		
	First Named Inventor		
	Art Unit		
	Examiner Name		
	Attorney Docket Number		

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/David V. Jafari/	Date (YYYY-MM-DD)	2013-07-18
Name/Print	David V. Jafari	Registration Number	51839

This collection of information is required by 37 CFR 1.97 and 1.98. 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 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: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

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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 the Freedom of Information Act requires disclosure of these records.
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.
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**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN
APPLICATION DATA SHEET (37 CFR 1.76)**

Title of Invention	METHOD AND APPARATUS FOR THE IMPLEMENTATION OF A REAL-TIME, SHARABLE BROWSING EXPERIENCE ON A GUEST DEVICE
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As the below named inventor, I hereby declare that:

This declaration is directed to: ☒ The attached application, or
☐ United States application or PCT international application number _____
filed on _____

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

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LEGAL NAME OF INVENTOR

Inventor: Kambiz David Pirnazar Date (Optional): 7-23-2013
Signature: 

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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).
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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.

METHOD AND APPARATUS FOR THE IMPLEMENTATION OF A REAL-TIME,
SHARABLE BROWSING EXPERIENCE ON A GUEST DEVICE

PRIORITY NOTICE

[0000] The present application claims priority under 35 U.S.C. §119(e) to U.S. Nonprovisional Patent Application Serial No. 12/783,743 filed on May 20, 2010, the disclosure of which is incorporated herein by reference in its entirety.

TECHNICAL FIELD OF THE INVENTION

[0001] The present invention relates in general to a sharable browsing experience, and more specifically, to a method and apparatus for the implementation of a synchronized browsing session on a guest device utilizing the transfer of URL, form data, script, and other information.

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BACKGROUND OF THE INVENTION

[0004] The demand for social networking on the internet has resulted in an exponentially expanding number of social internet websites, applications, and other social network media. Internet websites such as FACEBOOK®, TWITTER®, and MYSPACE® have experienced rapid expansion as users attempt to post and share much of their lives and experiences online. In addition, online commerce shopping sites such as Amazon and EBay are now dominant entities in the field of online and mainstream commerce.

[0005] While the explosion of social media has allowed people to be connected on the internet more than ever before, browsing the internet has remained a largely solitary experience. Users of social media websites or applications communicate by taking turns, posting information rather than communicating with one another in real time. While real time internet communication methods such as internet telephone, video conferencing and chat rooms do exist, usage of these methodologies is limited by the applications or platforms that support them. For instance, chat software allows users to send messages back and forth, but users are typically limited to this simple exchange within the confines of that technology.

[0006] There exists a wealth of internet experiences that cannot be easily and effectively shared, viewed, or fully interacted with in real time by all of the parties who are or would like to share that content. Activities such as viewing pictures, watching video, or engaging in internet shopping cannot currently be experienced in a simple, real time, and fully interactive method that enables two or more users who are connected on separate devices to all interact with and discuss that content simultaneously without having to take turns passing controls. In addition, there is no modality that enables all of the two or more users engaged in a synchronized or shared browsing session to (1) click on web links which open in new non-

shared tabs, (2) log into and register at certain web sites separately, and/or (3) input form data or other information at the site or application in a simultaneous or nearly simultaneous manner. As such, the current art lacks technology that would simultaneously connect two or more users in a medium that would allow all of them to both interact with one another and with the content itself in real time and in a synchronized or shared fashion.

[0007] Despite the obvious demand for socialization on the internet and despite the desire of many users to utilize the web to view online content with others in real-time, there is no effective, fully interactive modality that enables a group of users to view and interact with internet content and media simultaneously with others on different computers or other connected devices with all of those users empowered to interact with that content in real-time on a simultaneous basis. Furthermore, there is no such modality that allows all users in a shared session to simultaneously log in or register into a certain web site, application, or experience with either or all of (1) their own credentials; (2) credentials passed to them by the host; (3) or with no log in credentials whatsoever. While some current methods such as “desktop or screen sharing” allow users to simply view the same internet content, these methods do not enable all users in a session to click, input, and log into those experiences in a simultaneous or nearly simultaneous manner. Furthermore, these methods are also less appealing because they work by broadcasting continuous screenshots of the host screen in large files or packets and require high levels of bandwidth and computer processing power. As a result of their high bandwidth and processing power requirements, current methods such as desktop sharing are inadequate for enabling larger groups to all view and fully interact with that interactive content in a simultaneous manner. Finally, current methods such as “desktop or screen sharing” afford little protection for the broadcasting host’s private

information since all participants in a particular session see the host screen as s/he enters sensitive information such as user names or passwords or when the host toggles back and forth in other areas on their desktop.

[0008] There is a need in the art for an internet enabled collaboration, online commerce, and social networking innovation that facilitates real time sharing of a more complete internet experience. Specifically, there is a need for a device that allows all users in a session to interact with, discuss, log in separately or together, and share internet browsing in real time for online activities such as shopping together, booking travel together, watching or listening to media together, and browsing the internet together in a simultaneous fashion from different devices and/or locations. It is to these ends that the present invention has been developed.

SUMMARY OF THE INVENTION

[0009] To minimize the limitations in the prior art, and to minimize other limitations that will be apparent upon reading and understanding the present specification, the present invention describes a method for joining a synchronized browsing session administered by a synchronization server, comprising activating a hyperlink associated with the synchronized browsing session, sending a request to join the synchronized browsing session to the synchronization server in response to the activation of the hyperlink, and joining the synchronized browsing session.

[0010] The present invention further describes an apparatus for joining a synchronized browsing session administered by a synchronization server, comprising a network interface adapted to communicate with the synchronization server, and a processor adapted to activate a hyperlink associated with the synchronized browsing session, send a request to join the synchronized browsing session to the synchronization server via the network interface, in response to the activation of the hyperlink, and join the synchronized browsing session.

[0011] The present invention further describes a method for implementing a synchronized browsing session, comprising receiving information related to a shared web browsing interaction performed by a host device from a synchronization server, and performing the shared web browsing interaction based on the information received from the synchronization server.

[0012] The present invention further describes an apparatus for implementing a synchronized browsing session, comprising a network interface adapted to communicate with a synchronization server, and a processor adapted to receive information from the

synchronization server related to a shared web browsing interaction performed by a host device, and perform the shared web browsing interaction based on the information received from the synchronization server.

[0013] It is an objective of the present invention to enhance social and personal internet communication and commercial and non-commercial activity by enabling users to invite and interact with one another while browsing the internet together in real time. As a result and as an illustrative list only, synchronized online activities such as shopping together, booking travel together, watching media together, and browsing the internet together in real time from different devices and/or locations will be supported for all participants in a simultaneous or nearly simultaneous fashion.

[0014] It is another objective of the present invention to enable users to communicate via (1) voice; (2) chat; (3) video conferencing; and (4) desktop sharing (via a small browser frame on each participant's screen that monitors the host path) as they browse the internet together in real time.

[0015] It is another objective of the present invention to enable users to detect when their friends or other designated users are connected to the internet or when they are logged into certain chat and specialty sites such as FACEBOOK®, GMAIL®, or YAHOO MESSENGER® in order to simplify and streamline the invitation process into a synchronized browsing session and to allow session participants or users of the invention to chat with friends who are not currently within the synchronized browsing session.

[0016] Finally, it is yet another objective of the present invention to provide a social networking, lead/visitor generation, promotional, and online commerce device that internet sites, virtual worlds, games and applications can use to increase their value, viewership, or

purchasing or activity oriented conversion rates as a result of real-time referrals by current visitors to those sites or applications to invitees who may share common demographics, friendships, and/or affinities for that site's content or offerings.

[0017] These and other advantages and features of the present invention are described herein with specificity so as to make the present invention understandable to one of ordinary skill in the art.

BRIEF DESCRIPTION OF THE DRAWINGS

[0018] Elements in the figures have not necessarily been drawn to scale in order to enhance their clarity and improve understanding of these various elements and embodiments of the invention. Furthermore, elements that are known to be common and well understood to those in the industry are not depicted in order to provide a clear view of the various embodiments of the invention.

[0019] **FIG. 1(a)** illustrates a block diagram of the components of an exemplary embodiment of the present invention for initializing and conducting a synchronized browsing session.

[0020] **FIG. 1(b)** illustrates a screen shot of an exemplary embodiment of the synchronized browsing software during a synchronized browsing session.

[0021] **FIG. 1(c)** illustrates a block diagram of the components of an exemplary leading device.

[0022] **FIG. 1(d)** illustrates a block diagram of the components of an exemplary following device.

[0023] **FIG. 1(e)** illustrates a block diagram of the components of an exemplary synchronization server.

[0024] **FIG. 2(a)** illustrates a block diagram of exemplary data communication transferred between exemplary components of the present invention to initialize a synchronized browsing session.

[0025] **FIG. 2(b)** illustrates a flow chart of a method utilized by a host device for the initialization of a synchronized browsing session.

[0026] FIG. 2(c) illustrates an exemplary embodiment of the visual output on a host device of a third party website including a synchronization session activation hyperlink.

[0027] FIG. 3 illustrates a flow chart of a method utilized by a synchronization server for the initialization of a synchronized browsing session

[0028] FIG. 4(a) illustrates a flow chart of a method utilized by an invited device for the acceptance and joining of a synchronized browsing session.

[0029] FIG. 4(b) illustrates an exemplary embodiment of the visual output on an invited device for the acceptance of a synchronized browsing session invitation message through an email.

[0030] FIG. 4(c) illustrates an exemplary embodiment of the visual output on an invited device for the acceptance of a synchronized browsing session invitation message through a social networking website.

[0031] FIG. 4(d) illustrates an exemplary embodiment of the visual output on an invited device for the acceptance of a synchronized browsing session invitation message through a micro-blogging website.

[0032] FIG. 4(e) illustrates an exemplary embodiment of the visual output on an invited device for the acceptance of a synchronized browsing session invitation message through a news feed website.

[0033] FIG. 5(a) illustrates a block diagram of exemplary data communication transferred between exemplary components of the present invention during a synchronized browsing session.

[0034] FIG. 5(b) illustrates a flow chart of a method utilized by a host device for the execution of a synchronized browsing session.

[0035] FIG. 5(c) illustrates a flow chart of a method utilized by a synchronization server for the execution of a synchronized browsing session between a host device and one or more guest devices.

[0036] FIG. 5(d) illustrates a flow chart of a method utilized by a guest device for the execution of a synchronized browsing session with a host device.

[0037] FIG. 6(a) illustrates a flow chart of a method for the utilization of tabbed browsing within a synchronized browsing session by a host device.

[0038] FIG. 6(b) illustrates a flow chart of a method for the utilization of tabbed browsing by a guest device within a synchronized browsing session.

[0039] FIG. 7(a) illustrates a screen shot of an exemplary embodiment of synchronized browsing software being run on a host device.

[0040] FIG. 7(b) illustrates an exemplary embodiment of synchronized browsing software on a host device highlighting an expanded browse menu.

DETAILED DESCRIPTION OF THE DRAWINGS

[0041] In the following discussion that addresses a number of embodiments and applications of the present invention, reference is made to the accompanying drawings that form a part hereof; these depictions are made by way of illustration and of specific embodiments in which the invention may be practiced. It is to be understood that other embodiments may be utilized and changes may be made without departing from the scope of the present invention.

[0042] The present invention allows two or more persons browsing the internet to share their internet browsing experience and have all users simultaneously browse and fully interact with web sites, games, virtual worlds, or other online applications in real time. To share their internet browsing experience, the present invention utilizes the passing of certain data such as URL information, form data, scripts (including java script), cookies, or other types of data information between browser clients. In a synchronized browsing session, two or more people may read the same article, watch the same video, or shop for the same item automatically, without the hassle of coordinating user input. Furthermore, utilization of the present invention does not materially impose more bandwidth or processing power requirements than simply browsing the internet using standard, conventional methods.

[0043] In the current art, should two or more people, on different devices, attempt to book an airline flight through an internet website, each person would be separately required to input identical information such as destination, date of departure, or date of arrival into their respective browser. Coordination of such data input is often difficult to accomplish and input errors can lead to conflicting search results. In a synchronized browsing session

utilizing the present invention, however, such data input is automatically formatted, forwarded and inputted into the other devices, thereby allowing all persons to view, book, and alter the same flight results. Further activities may include, but are not limited to, enabling session attendees to shop, book travel, view or listen to media, chat, audio and video conference, screen share, screen draw, stay connected to contacts in order to send invites and chat with those not currently in the experience, detect online friends, and otherwise browse and fully interact in a shared browsing experience. As such, utilization of the present invention facilitates the initialization and implementation of a synchronized browsing session between two or more internet users, thereby allowing all of them to view and fully interact with the same internet content without the hassle of coordinated user input. For purposes of this discussion, the term, “fully interact with” may comprise, but is not limited to: (1) logging into or registering at certain sites or applications; (2) filling in form data; (3) performing multiple queries; (4) having following participants click on links that open in new non-shared tabs; (5) playing online games; (6) visiting virtual worlds; or (7) “drawing” on the screen and simultaneously transmitting those figures, annotations, or markups to other users in the session.

[0044] FIG. 1(a) illustrates a block diagram of the components of an exemplary embodiment of the present invention for initializing and conducting a synchronized browsing session. FIG. 1(a) illustrates host device 10, internet 11, website server 12, synchronization server 13, and exemplary guest devices 14 and 15. In exemplary embodiments of the present invention, host device 10 may establish a synchronized browsing session with guest devices 14 and 15 via synchronization server 13. In an exemplary synchronized browsing session, host device 10 may forward website interaction information with website server 12 to

synchronization server **13**, which may relay the website interaction information to guest devices **14** and **15** for the recital of a synchronized browsing session.

[0045] Host device **10** is a component of the present invention that may initialize and conduct a synchronized browsing session with guest device **14** via synchronization server **13**. In an exemplary embodiment of the present invention, host device **10** may comprise a personal computer, mobile phone, Smartphone, IPAD®, or other type of electronic device with a visual user interface and a network connection such that a user may access and view a third party website such as one provided by website server **12** over internet **11**.

[0046] Guest devices **14** and **15** are components of the present invention that may join a synchronized browsing session to view internet browsing conducted by host device **10** via relay communication over synchronization server **13**. Like host device **10**, guest devices **14** and **15** may comprise a personal computer, mobile phone, Smartphone, IPAD®, or other type of electronic device with a visual user interface and a network connection such that a user may access and view an internet website such as one provided by website server **12** over internet **11**.

[0047] During a synchronized browsing session, data communications sent by host device **10** to website server **12** is forwarded to synchronization server **13** in order to provide for synchronized browsing with guest devices **14** and **15**. In exemplary embodiments of the present invention, prior to relaying the data communications to guest devices **14** and **15**, synchronization server **13** may analyze the data communications received from host device **10**, see **FIG. 1(e)** and later discussion, to determine if there is an advertising partnership or other monetization deal (“advertising deal”), such as those related to revenue sharing, lead origination, affiliation, cost per action, cost per click, or cost per impression, with the website

hosted on website server **12**. If an advertising deal exists with the website hosted on website server **12**, synchronization server **13** will then update the data communication for relay to guest devices **14** and **15**, and transmit an updated data communication back to host device **10**. This process will be discussed in more detail within **FIG. 1(e)** and **FIG. 5(d)**.

[0048] Synchronization server **13** may then forward the data communication to guest devices **14** and **15**. In an exemplary embodiment of a synchronized browsing session, once data communication is forwarded to guest devices **14** and **15** from host device **10** via synchronization server **13**, guest devices **14** and **15** will transmit the same data communication to website server **12**, such that the communication sent is identical to communication sent to website server **12** by host device **10**. As such, guest devices **14** and **15** should receive the same or similar data response from website server **12** as that received by host device **10** from website server **12**.

[0049] In alternative embodiments of the present invention, a synchronized browsing session may be conducted by more than one device. In such embodiments, webpage interactions performed by any controlling party will be forwarded to the other attendees in the synchronized browsing session. As such, a leading device, such as host device **10**, may be defined as a device that possesses control within the synchronized browsing session, wherein webpage interactions performed by the leading device within shared browsing window **17** are forwarded to synchronization server **13**. In yet other embodiments of the present invention, control within the synchronized browsing session may be passed from one attending device to another.

[0050] A following device, such as guest device **14**, may be defined as any device that receives relayed webpage interactions from synchronization server **13**. In exemplary

embodiments, relayed webpage interactions may include data such as URL, form data, scripts, advertising codes, or other information. A following device that does not possess leading device control within the synchronized browsing session may not forward or relay webpage interactions to synchronization server **13** unless the ability to do so is conferred upon the following device by a leading device or other authoritative party for either a full session or for a certain period of time.

[0051] In such various embodiments, a device in a synchronized browsing session may possess leading, following, or both leading and following characteristics. For example, in an embodiment wherein both host device **10** and guest device **14** are both leading and following devices, any webpage interaction performed by guest device **14** within the shared browsing window will be relayed to host device **10**, and any webpage interaction performed by host device **10** within the shared browsing window will be relayed to guest device **14**. In such an embodiment, any relayed webpage interactions will necessitate webpage requests to be sent to a webpage server, such as website server **12**.

[0052] **FIG. 1(b)** illustrates a screen shot of an exemplary embodiment of the synchronized browsing software during a synchronized browsing session. **FIG. 1(b)** illustrates the visual output of host device **10** running synchronized browsing software **16**, wherein synchronized browsing software **16** comprises shared browsing window **17** and shared browsing tab **18**. In an exemplary synchronized browsing session, the visual and audio output of shared browsing window **17** on a following device, such as guest device **14**, will be similar, if not identical, to the visual and audio output of shared browsing window **17** on a leading device, such as host device **10**.

[0053] In exemplary embodiments, synchronized browsing software **16** is designed to run on a computer or other electronic device, such as host device **10** or guest device **14**, in order for the user of the device to participate in a synchronized browsing session. Synchronized browsing software **16** may incorporate internet browsing software functionality on the existing device, such as INTERNET EXPLORER®, SAFARI®, CHROME®, FIREFOX®, or WEBKIT® to browse the internet. In such embodiments, synchronized browsing software **16** may integrate the native browser control components of commonly used web browsers such as INTERNET EXPLORER® into the software user interface for PC computers, or may integrate the native browser control components of the SAFARI® or WEBKIT® web browsers for the software user interface on APPLE® or MAC® computers. Some or all of these components may be pre-installed on the PC and APPLE® computers, respectively.

[0054] In other embodiments of the present invention, synchronized browsing software **16** may comprise an add-on or plug-in to commonly used internet browsing software such as INTERNET EXPLORER®, FIREFOX®, CHROME® or SAFARI®. In further embodiments, synchronized browsing software **16** may comprise independent functionality to browse the internet.

[0055] Shared browsing window **17** is an element of synchronized browsing software **16** wherein the webpage interactions of host device **10**, or other leading device, are relayed to following devices in the synchronized browsing session, such as guest device **14**. In exemplary embodiments, the audio and visual output of shared browsing window **17** may be similar or identical on both leading and following devices. Alternatively, if one or more users have already registered with a particular site or application and certain personalization

settings are triggered, that particular user will receive a similar data response that also includes the output of the personalized settings that were set by that particular user.

[0056] In exemplary usage of the present invention, the user of guest device **14** views the same display of internet content as that displayed to the user of host device **10**. In alternative embodiments, the user of guest device **14** may view similar internet content as that displayed to user of host device **10**, with slight modifications due to personalization settings that may be triggered for the user of guest device **14** at that site or application due to prior, recent, or simultaneous website registration. In situations where screen size or screen resolution of guest device **14** is different than that of host device **10**, the user of guest device **14** should view a similar display of internet content as what is displayed to host device **10**, with modifications due to screen size and resolution.

[0057] Shared browsing tab **18** is a browsing tab identifier and extension of shared browsing window **17**. In exemplary usage, a user of synchronized browsing software **16** may click on shared browsing tab **18** in order to switch from another window into shared browsing window **17**. Clicking unshared browsing tab **70** may switch a user from shared browsing window **17** into an unshared browsing window.

[0058] In exemplary embodiments of the present invention, a variety of internet content and media may be shared between attendees of a synchronized browsing session. Textual articles, images, music, streaming video, e-commerce sites, games, documents for review or download, or any form of web-based content may be activated by a leading device, to be relayed by synchronization server **13**, and on to following devices within the synchronized browsing session.

[0059] In alternative embodiments, synchronized browsing software **16** may provide or integrate desktop sharing functionality, wherein following devices may view the screen of a leading device. For example, if host device **10**, the sole leading device, enabled desktop sharing, guest device **14**, a following device, would be able to see the screen of host device **10**, or a portion thereof. In other embodiments, desktop sharing may be enabled in small windows that may occupy or overlay upon a portion of shared browsing window **17**.

[0060] **FIG. 1(c)** illustrates a block diagram of the components of an exemplary leading device. **FIG. 1(c)** illustrates host device **10**, comprising processor **20**, network interface **21**, memory **22** and user interface **23**. Host device **10** is designed to initialize and conduct a synchronized browsing session with guest device **14** via synchronization server **13**

[0061] Processor **20** is a component of host device **10** adapted to perform and process web page interactions and communications with synchronization server **13** in order to initialize and host a synchronized browsing session.

[0062] Network interface **21** is a component of host device **10** designed to transmit and receive data communication with external electronic devices. In exemplary embodiments of the present invention, processor **20** may utilize network interface **21** to perform web page interactions, such as with website server **12**, and to communicate with synchronization server **13**.

[0063] Host device **10** may also utilize memory **22** and user interface **23**. Memory **22** may be adapted to store one or more software modules for controlling processor **20**. Alternatively, memory **22** may be adapted to store one or more software modules for output via user interface **23**. User interface **23** may be adapted to receive a user input for initiation of processor **20**, prompting data communication via network interface **21**. In other

embodiments, webpage interactions may be outputted to the user of host device **10** via user interface **23**.

[0064] FIG. 1(d) illustrates a block diagram of the components of an exemplary following device. FIG. 1(d) illustrates guest device **14**, comprising processor **24**, network interface **25**, memory **26** and user interface **27**. Guest device **14** is designed to join and implement a synchronized browsing session.

[0065] Processor **24** is a component of guest device **14** that may utilize network interface **25**, memory **26** and user interface **27** to join and implement a synchronized browsing session with host device **10**. In exemplary embodiments, processor **24** may utilize network interface **25** to receive and transmit communication with synchronization server **13**. Processor **24** may also utilize network interface **25** to perform webpage interactions, such as transmit requests to website server **12**.

[0066] Guest device **14** may also utilize memory **26** and user interface **27**. Memory **26** may be adapted to store one or more software modules for controlling processor **24**, or for the output of webpage interactions via user interface **27**. User interface **27** may be adapted to output webpage interactions to the user of guest device **14** via user interface **27**. Alternatively, user interface **27** may be adapted to receive user input for initiation of processor **24**, prompting data communication via network interface **25**.

[0067] FIG. 1(e) illustrates a block diagram of the components of an exemplary synchronization server. FIG. 1(e) illustrates synchronization server **13**, comprising processor **28**, network interface **29**, session identification database **30**, and affiliate database **31**. Synchronization server **13** is designed to establish and facilitate a synchronized browsing session between host device **10** and guest device **14**.

[0068] Processor **28** is a component of synchronization server **13** that may utilize network interface **29**, session identification database **30** and affiliate database **31** in order to establish and facilitate a synchronized browsing session between host device **10** and guest device **14**. In exemplary embodiments, network interface **29** may both transmit and receive communication from host device **10** and guest devices, such as guest device **14**.

[0069] Session identification database **30** may be utilized by processor **28** for the storage of information related to the establishment and facilitation of a synchronized browsing session, which may include a synchronized browsing session identifier **19**, to be described later, routing information related to a lead device such as host device **10**, or routing information related to one or more of the following devices, such as guest device **14**. In exemplary embodiments of the present invention, should synchronization server **13** receive a request to establish a synchronized browsing session from host device **10**, processor **28** may assign the synchronized browsing session a unique session identifier, referred to as synchronized browsing session identifier **19**, and store identification information for host device **10**, along with session identifier **19**, within session identification database **30**.

[0070] In an exemplary embodiment, when synchronization server **13** receives website interaction information during synchronized browsing session from host device **10** via network interface **29**, processor **28** may utilize affiliate database **31** to determine if an affiliation, advertising or partnership agreement exists with the website hosted by website server **12**. For example, should website information sent from host device **10** include a URL comprising <http://www.uspto.gov>, processor **28** may determine if a partnership exists with said website by searching affiliate database **31**.

[0071] If processor **28** determines that a partnership exists, processor **28** may update the webpage interaction information and utilize network interface **29** to relay the updated website interaction information to host device **10** and guest device **14**. In alternative embodiments, network interface **29** may only transmit an adcode, cookies, scripts, XML, or other unique identifier signifying the website affiliation to host device **10**. If processor **28** determines that a partnership does not exist with the website hosted by website server **12**, then no update or update transmission is necessary.

[0072] **FIG. 2(a)** illustrates a block diagram of exemplary data communication transferred between components of the present invention to initialize a synchronized browsing session. **FIG. 2(a)** shows host device **10**, synchronization server **13** and guest device **14** transmitting data communication to initialize a synchronized browsing session between host device **10** and guest device **14**.

[0073] To initialize a synchronized browsing session, host device **10** transmits initialization request **40** to synchronization server **13**. In response to initialization request **40**, synchronization server **13** may transmit confirmation message **41** to host device **10**, including session identifier **19** (not shown). In exemplary embodiments, session identifier **19** may comprise an identification number, passkey, URL, MAC address, or other unique indicator such that the synchronized browsing session may be identified for joining the session.

[0074] Once the synchronized browsing session is established and session identifier **19** is transferred to host device **10**, host device **10** may transmit session invitation **42** to prospective guest devices, such as guest device **14**. In other embodiments of the present invention, other session attendees may transmit session invitation **42** to additional

prospective guests. Session invitation **42**, to be described in detail below for discussion of **FIG. 2(b)**, may comprise an invitation hyperlink **52** (to be described and illustrated in **FIGS. 4(a)-4(e)**) and session identifier **19**.

[0075] Should the user of guest device **14** decide to join the synchronized browsing session hosted by host device **10**, guest device **14** transmits request to join **43** to synchronization server **13**. Request to join **43** is a data communication sent to synchronization server **13** by a prospective guest device that comprises session identifier **19**.

[0076] After synchronization server **13** receives request to join **43** from guest device **14**, synchronization server **13** records identification and routing information of guest device **14**, such as IP address, MAC address, or other unique identifiers, in order to relay information in the synchronized browsing session to guest device **14**. In exemplary embodiments, synchronization server **13** may then transmit notification **44** to host device **10**, informing host device **10** that guest device **14** has joined the synchronized browsing session.

[0077] **FIG. 2(b)** illustrates a flow chart of method **100** utilized by host device **10** for the initialization of a synchronized browsing session after the activation of a third party hyperlink from a website hosted by website server **12**. Method **100** is utilized by host device **10** to initialize a synchronized browsing session with guest device **14** through synchronization server **13**. Method **100** is explained in the order shown in **FIG. 2(b)**; however, the following steps may be taken in any other conceivable sequence without deviating from the scope of the present invention. Additionally, alternative embodiments of the present invention may not require the software download and acceptance process.

[0078] In step **101**, host device **10** activates activation hyperlink **51**, illustrated in **FIG. 2(c)**, from a website hosted by website server **12**. In step **102**, host device **10**, in response to

the activation of activation hyperlink **51**, attempts to detect if synchronized browsing software **16** is installed or ready to launch or run on host device **10**. If the synchronized browsing software **16** is not detected on host device **10**, host device **10** proceeds to step **103**. If, however, synchronized browsing software **16** is detected, host device **10** proceeds to step **104**.

[0079] In step **103**, host device **10** sends a communication to synchronization server **13** requesting to download synchronized browsing software **16**. In exemplary embodiments, synchronization server **13** transmits synchronized browsing software **16** to host device **10**. In embodiments wherein synchronized browsing software **16** need to be installed in order for the software to run, host device **10**, upon complete reception of the software, installs synchronized browsing software **16**. Once the software is installed, host device **10** proceeds to step **104**. In embodiments wherein synchronized browsing software **16** does not need to be installed, once the download is completed, host device **10** proceeds to step **104**.

[0080] In step **104**, host device **10** launches synchronized browsing software **16**. In embodiments of the present invention wherein synchronized browsing software **16** comprises an add-on or plug-in to commonly used internet browsing software, then the add-on or plug-in is initialized.

[0081] In alternative embodiments of the present invention, a user of host device **10** may launch synchronized browsing software **16** directly, without the activation of activation hyperlink **51**. In such embodiments, once the software is activated or launched, host device **10** begins at step **105**. In such situations where host device **10** does not activate activation hyperlink **51**, but host device **10** does not have synchronized browsing software **16** installed

or ready to launch, host device **10** may contact synchronization server **13** and begin the process at step **103**.

[0082] In step **105**, host device **10** sends initialization request **40** to synchronization server **13**. In step **106**, host device **13** receives confirmation message **41** from synchronization server **13**, indicating that a synchronized browsing session has been established. In exemplary embodiments, confirmation message **41** transmitted to host device **10** comprises session identifier **19**.

[0083] In step **107**, host device **10** sends session invitation **42** to one or more prospective guests, such as guest device **14**, to join the synchronized browsing session. In exemplary embodiments, session invitation **42** may comprise session identifier **19**, and invitation hyperlink **52** to join the synchronized browsing session. The prospective guests need to simply click invitation hyperlink **52** included in session invitation **42** to join the synchronized browsing session. In other embodiments, session invitation **42** may also comprise an image or message from the user of host device **10** to the user of the prospective guest device.

[0084] In exemplary embodiments of the present invention, session invitation **42** to join a synchronized browsing session may be sent to, or received by, a prospective guest device, such as guest device **14**, in numerous ways. In one embodiment, session invitation **42** may be set by host device **10** to prospective guests via an email message. In another embodiment of the present invention, session invitation **42** may be sent to prospective guests via an instant message communication. In yet other embodiments of the present invention, session invitation **42** may be sent to prospective guests via a social networking communication. Exemplary methods of sending session invitation **42** are illustrated and in **FIGS. 4(b)-4(c)**.

[0085] Alternatively, session invitation **42** may be displayed publicly or semi-privately on a website for viewers to click or activate. In such embodiments, session invitation **42** is not sent to one or more designated prospective guests, but rather is publicly displayed on a website so that anyone who views the invitation can activate it to enter into the synchronized browsing session. For example, should the user of host device **10** “tweet” an invitation to join a synchronized browsing session through the social communication website TWITTER®, any reader may accept the invitation by clicking on the shared hyperlink. In other embodiments, a user of host device **10** may post a public invitation through FACEBOOK®, GOOGLE® BUZZ, a website newsfeed, or as a hyperlink on a website, game, virtual world, or other application, in order to issue an open invitation to certain friends or the public to join their synchronized browsing session.

[0086] Finally, in step **108**, host device **10** receives notification message **44** from synchronization server **13** that one or more guest devices have joined the synchronized browsing session. In an exemplary embodiment, host device **10** receives notification message **44** for each guest device, such as guest device **14**, that has joined the synchronized browsing session. In such an embodiment, notification message **44** may comprise a visual, audio, or textual output through host device **10**. In yet other embodiments of the present invention, host device **10** may receive notification message **44** for only the first guest device that has joined the synchronized browsing session. Alternatively, host device **10** may receive notification message **44** for only designated guest devices that have joined the synchronized browsing session, such as those that have been made a priority, friends, or by some other means of designation.

[0087] FIG. 2(c) illustrates an exemplary embodiment of the visual output on host device **10** of a third party website including activation hyperlink **51**. FIG. 2(c) illustrates third party website **50**, comprising activation hyperlink **51**.

[0088] Third party website **50** is an exemplary internet website or application comprising activation hyperlink **51**. In the present embodiment, third party website **50** is an exemplary publication mechanism for delivering activation hyperlink **51** to a public audience. However, other methods of publication of activation hyperlink **51** are available, and discussion of these embodiments should in no way limit the interpretation or scope of the present invention.

[0089] Third party website **50** allows for a user of host device **10** to initiate a synchronized browsing session by clicking activation hyperlink **51**. For example, the publisher of third party website **50** may decide to publish activation hyperlink **51** to increase viewership of their website, because activation hyperlink **51** allows for the initiation of a synchronized browsing session, which may bring increased, higher converting, and more targeted web viewers to third party website **50**.

[0090] Activation hyperlink **51** is a website or application hyperlink designed to facilitate the initiation process for a synchronized browsing session hosted by host device **10**. When activation hyperlink **51** is clicked or activated by host device **10**, as described in step **101** and illustrated in FIG. 2(b), host device **10** attempts to detect if synchronized browsing software **16** is installed or ready to launch on host device **10**. In alternative embodiments of the present invention, software download and installation may not be required. After hyperlink **51** is activated, host device **10** then performs the remainder of the steps in method **100**.

[0091] FIG. 3 illustrates a flow chart of method **200** utilized by synchronization server **13** for the initialization of a synchronized browsing session. Method **200** is utilized by synchronization server **13** to initialize a synchronized browsing session between host device **10** and guest device **14**. Method **200** is explained in the order shown in **FIG. 3**; however, the following steps may be taken in any other conceivable sequence without deviating from the scope of the present invention.

[0092] In step **201**, synchronization server **13** receives initialization request **40** from host device **10**, as previously discussed and illustrated in **FIGS. 2(a)** and **2(b)**. In step **202**, synchronization server **13** establishes a synchronized browsing session, hosted by host device **10**, and generates session identifier **19**. In step **203**, synchronization server **13** records session identifier **19** and the routing information of host device **10** within session identification database **30**.

[0093] In step **204**, synchronization server **13** transmits confirmation message **41** to host device **10**, confirming the establishment of the synchronized browsing session, wherein confirmation message **41** includes the transmittal of session identifier **19** to host device **10**.

[0094] In step **205**, synchronization server **13** may receive request to join **43** from a prospective guest device, such as guest device **14**. In exemplary embodiments, request to join **43** comprises a data communication requesting to join the synchronized browsing session, wherein the communication includes session identifier **19**. In step **206**, in response to receiving request to join **43**, synchronization server **13** records the routing and identification information of guest device **14** within session identification database **30** in association with session identifier **19**, such that synchronization server **13** may later relay synchronized browsing information sent from host device **10** to guest device **14**.

[0095] In steps 207 and 208, synchronization server 13 generates and transmits notification 44 to host device 10, wherein notification 44 comprises a confirmation message that guest device 19 has joined the synchronized browsing session. In exemplary embodiments, notification 44 comprises the identification information of guest device 19.

[0096] FIG. 4(a) illustrates a flow chart of method 300 utilized by invited, prospective, and guest devices for the acceptance and joining of a synchronized browsing session. Method 300 is utilized by a device, such as guest device 14, to accept and join a synchronized browsing session by activating invitation hyperlink 52 (illustrated in FIGS. 4(b)-4(e)). Method 300 is explained in the order shown in FIG. 4(a); however, the following steps may be taken in any other conceivable sequence without deviating from the scope of the present invention.

[0097] In step 301, guest device 14 receives session invitation 42, comprising invitation hyperlink 52 and session identifier 19. Session invitation 42, as illustrated in FIGS. 4(b)-4(e), may comprise, but is not limited to, data communication, such as email, instant message or text, SMS, or a public or private internet posting, such as through social networking, applications, blogs, virtual world, game or news feeds.

[0098] In step 302, guest device 14 activates invitation hyperlink 52. In step 303, guest device 14 detects if synchronized browsing software 16 is installed or ready to launch on guest device 14. In an exemplary embodiment, activation of invitation hyperlink 52 prompts guest device 14 to detect if synchronized browsing software 16 is present and capable of being run. If synchronized browsing software 16 is not installed or ready to launch on guest device 14, guest device 14 proceeds to step 304. If, however, synchronized browsing software 16 is installed or ready to launch on guest device 14, guest device 14 proceeds to

step 305. Further, in embodiments wherein synchronized browsing software 16 is not required to participate in a synchronized browsing session, guest device 14 proceeds to step 306.

[0099] In step 304, guest device 14 transmits a request to download synchronized browsing software 16 to synchronization server 13. Once guest device 14 has downloaded synchronized browsing software 16 and the software is ready to launch, guest device 14 proceeds to step 305. In step 305, guest device 14 runs or launches synchronized browsing software 16. Finally, in step 306, guest device 14 transmits request to join 43 to synchronization server 13, including session identifier 19.

[00100] FIGS. 4(b)-4(e) illustrate various embodiments of the visual output of an invited, prospective, and/or guest device, such as guest device 14, which has received session invitation 42. FIG. 4(b) illustrates an exemplary embodiment of the visual output on guest device 14 of email message 53, comprising invitation hyperlink 52. FIG. 4(c) illustrates an exemplary embodiment of the visual output on guest device 14 of social networking website 54, comprising invitation hyperlink 52. FIG. 4(d) illustrates an exemplary embodiment of the visual output on guest device 14 of micro-blogging website 55, comprising invitation hyperlink 52. Finally, FIG. 4(e) illustrates an exemplary embodiment of the visual output on guest device 14 of news feed website 56, comprising invitation hyperlink 52.

[00101] Invitation hyperlink 52 is a component of session invitation 42, transmitted from host device 10 to guest device 14, via a method such as those illustrated in, but not limited to, FIGS. 4(b)-4(e). In exemplary embodiments, invitation hyperlink 52 comprises a URL address that contains an embedded session ID, such as session identifier 19, for the designated synchronized browsing session. Activation of invitation hyperlink 52 prompts

guest device **14** to join the synchronized browsing session, as previously described for **FIG. 4(a)**. In exemplary embodiments of the present invention, activation of invitation hyperlink **52** prompts guest device **14** to launch synchronized browsing software **16**. If synchronized browsing software **16** is not installed or ready to launch on guest device **14**, activation of invitation hyperlink **52** first prompts guest device **14** to download and launch the software, if such a download is necessary to participate in a synchronized browsing session.

[00102] Email message **53**, social networking website **54**, micro-blogging website **55**, and news feed website **56** are various embodiments of means to deliver invitation hyperlink **52** to guest device **14**. Email message **53**, or in alternative embodiments an instant message, text message, or other form of direct communication, may be sent directly from host device **10** to guest device **14**. Alternatively, social networking website **54**, micro-blogging website **55** and news feed website **56** allow for prospective guests to join a synchronized browsing session of their friends or people they read or follow, should that person post invitation hyperlink **52**. Alternatively, news feed website **56** may comprise a list of invitation hyperlinks **52** for live synchronized browsing sessions that are open to the public, such that a prospective guest may browse the list and join a desired session.

[00103] Publicly shared synchronized browsing sessions, such as those that may be linked from news feed website **56**, may be open to large groups of people. For example, in an exemplary embodiment where a public figure or other famous person is leading a synchronized browsing session, thousands of their fans may join into the synchronized browsing session, wherein the public figure or a person designated by that figure or their staff may lead followers around to the figures' favorite websites with or without a pre-arranged itinerary or script. Alternatively, such publicly shared synchronized browsing

sessions may be utilized for marketing purposes, such that the host of the browsing session may lead their followers to a variety of shopping products. In yet other embodiments, publicly shared synchronized browsing sessions may be utilized for fundraisers, nonprofit organizations, religious groups, educational means, or other like functions.

[00104] Complementary to publicly shared synchronized browsing sessions wherein webpage content may be shared, discussed, and interacted with among different groups of people, exemplary embodiments of the present invention may promote means for people of similar interests to connect and share media. These publicly shared synchronized browsing sessions may be driven by individual users who set up and host certain public rooms to discuss and fully interact with online content and other users who share certain interests, demographics, backgrounds, orientations, likes, or dislikes. Further, public rooms may be established to allow users to discuss and fully interact with online content and others about upcoming and current events, certain verticals of content, news, or other experiences. For example, an academy awards public room may comprise a place where people may congregate, discuss, and co-browse webpage content related to the awards presentation. Further, there may be a football public room where users discuss and co-browse online content related to college or professional football.

[00105] Alternatively, public rooms may be established where people who share an interest in a public figure, movie, political view, or other subject matter may congregate, discuss, and interact with both the online content and each other. In such embodiments, public rooms may be initialized by either an individual host or may be initialized, maintained or hosted by public sponsors, such as consumer products companies. For example, UNILEVER®, who owns the AXE® brand, may start an “AXE® Public Room” wherein

people may congregate, discuss, and co-browse material related to AXE® products or consumer interests and subjects related to AXE® products.

[00106] In alternative embodiments, the link and browsing history for these publicly shared sessions, or single user browsing sessions, in general, may be recorded and made available both publicly or privately to users of the present invention. As such, users may view the link histories or favorites lists of other users so that they are enabled to visit one or more of the sites or applications visited in the link history or favorites at a later point in time. For example, if a certain public figure wanted to publish their browsing history or favorites via the invention and other users wanted access to that browsing history or favorites list, the invention would enable these users to view both the lists and to activate those sites directly. In either case, the sites would be similarly complemented with certain adcodes or other identifiers that would track or recognize that particular user back to the holder of that adcode or other identifier once a user visits that site, advertisement, game, virtual world, or application via that link.

[00107] **FIG. 5(a)** illustrates a block diagram of exemplary data communication transferred between components of the present invention during a synchronized browsing session. **FIG. 5(a)** shows host device **10**, website server **12**, synchronization server **13** and guest device **14** transmitting data communication for a synchronized browsing session.

[00108] As previously discussed, host device **10** may initialize and conduct a synchronized browsing session through communication with synchronization server **13**. During a synchronized browsing session, host device **10** may transmit website request **60** to website server **12**. In an exemplary embodiment, website request **60** is a data communication message sent to request webpage content at a designated location, such as website server **12**.

For example, website request **60** sent to the United States Patent and Trademark Office (“USPTO”) webpage, www.uspto.gov, would comprise a message sent to request website data content at the USPTO’s webpage www.uspto.gov.

[00109] Typically, in response to website request **60** sent by host device **10**, website server **12** will send website content reply **66** to host device **10**. In exemplary communication, website content reply **66** comprises the website content requested in website request **60**. For example, should website request **60** be sent to www.uspto.gov, website content reply **66** may comprise the data necessary to view the website at www.uspto.gov.

[00110] During an exemplary synchronized browsing session, after host device **10** transmits website request **60** to website server **12**, host device **10** transmits communication message **61** to synchronization server **13**. Communication message **61** may comprise the URL address of website server **12**, cookie information, form data, java script, or other user inputted information, or attached files. In alternative embodiments, communication message **61** may further comprise information indicating whether the webpage interaction information is to be relayed to guest device **14**. In such embodiments, synchronization server **13** will not relay the webpage interaction information to guest device **14**.

[00111] In response to communication message **61**, synchronization server **13** may transmit reply message **62**. In an exemplary embodiment, reply message **62** may comprise an adcode identification code, adcode, XML, or other unique identifier related to the website of URL address contained in communication message **61**. In other embodiments of the present invention, reply message **62** may comprise a modified URL address, or webpage interaction information.

[00112] Affiliation message **63** is a communication sent by synchronization server **13** to website server **12** in order to update website server **12** with the relevant adcode, cookie, script, or other unique identifier related to the existing partnership or affiliation. In an exemplary embodiment of the present invention, synchronization server **13** may transmit affiliation message **63** to website server **12**, wherein affiliation message **63** comprises the routing information of host device **10** and the related adcode or unique identifier, thereby allowing website server **12** to update the browsing session of host device **10**.

[00113] Communication message **64** is designed to be forwarded by synchronization server **13** to guests in the synchronized browsing session, such as guest **14**, to perform the synchronized browsing session. In exemplary embodiments, communication message **64** may be a duplicate of website request **60**, or may comprise the URL address of website server **12**. In other embodiments, communication message **64** may also include other transmitted data from website request **60**, such as cookie information, form data, java script, or other user inputted information, or attached files.

[00114] In yet further embodiments of the present invention, communication message **64** may comprise a modified URL address including an adcode or other unique identifier, such that later transmittal to website server **12** may indicate the existence of an affiliation or partnership between the designated website and synchronization server **13**. In such embodiments, communication message **64** may include an adcode, adcode identification code, XML, or other unique identifier that is similar or identical to the identifier transmitted in reply message **62**.

[00115] After host device **10** transmits communication message **61** to synchronization server **13**, synchronization server **13** forwards communication message **64** to guest devices.

In the present embodiment illustrated in **FIG. 5(a)**, synchronization server **13** forwards communication message **64** to guest device **14**. Communication message **64** may be used by guest device **14** to formulate website request **65** to be sent from guest device **14** to website server **12**. Website request **65** is a data communication message transmitted by guest device **14** to website server **12**. In exemplary embodiments, website request **65** should be similar or identical to website request **60**.

[00116] Form data may be defined as information inputted by a user in pre-defined fields on a webpage that may be transmitted to a website server. Website request **60** may include form data inputted by the user of host device **10**. For example, should the user of host device **10** search a website for hotel vacancies in New York City on a specified date, website request **60** would include form data for data fields such as location, data of travel, number of nights, number of guests, and other query fields. As such, in exemplary embodiments of the present invention, because communication message **61** may be a duplicate of website request **60**, communication message **61** may include the same form data as to that inputted by the user of host device **10** on the hotel reservation website. Form data may also include, but is not limited to, user name, email, password information, search queries, and/or other entry fields that may be inputted by host or guest.

[00117] Without the transfer of form data or other types of user input information, should website request **60** sent by host device **10** to website server **12** include any user input, website request **65** may be wholly different than website request **60**. In such embodiments, website content reply **66** may be wholly different than that of website content reply **67**. For example, in an embodiment wherein form data is not relayed by synchronization server **13** to guest device **14**, should host device **10** input hotel reservation information at a hotel or travel

website, host device **10** will receive search results relevant to that hotel reservation. Guest device **14**, however, may not receive the same search results because guest device **14** was not forwarded the form data to transfer to the hotel website and, as a result, the received search results may not be based upon the same input information.

[00118] In exemplary embodiments, website request **65** is identical to website request **60** such that website content reply **67**, the data content sent by website server **12** in response to website request **65**, is similar or identical to website content reply **66**. As such, in a synchronized browsing session between host device **10** and guest device **14**, audio and visual output of shared browsing window **17** on guest device **14** is similar or identical to that on host device **10** unless personalization settings, such as private cookie information, are triggered for one of the devices on the site.

[00119] **FIG. 5(b)** illustrates a flow chart of method **400** utilized by host device **10** for the execution of a synchronized browsing session. Method **400** is utilized by host device **10** after a synchronized browsing session has been established. Method **400** is explained in the order shown in **FIG. 5(b)**; however, the following steps may be taken in any other conceivable sequence without deviating from the scope of the present invention.

[00120] In step **401**, host device **10** transmits website request **60**, as previously described, to website server **12**. In step **402**, host device **10** transmits communication message **61** to synchronization server **61**. In an exemplary embodiment of the present invention, communication message **61** may comprise the URL of the website requested, such as the URL for website server **12**, form data inputted by the user of host device **10**, java script, or other data. Additionally, communication message **61** may comprise any cookie data communication applicable to website request **60**.

[00121] In step **403**, host device **10** awaits a response from synchronization server **13** regarding affiliation with the website hosted on website server **12**. If host device **10**, via network interface **21**, receives an affiliation identification code from synchronization server **13**, host device **10** proceeds to step **404**. If, however, host device **10** does not receive an affiliation identification code from synchronization server **13**, host device **10** proceeds to step **405**.

[00122] In step **404**, host device **10** after receiving an affiliation identification code from synchronization server **13**, host device **10** transmits the affiliation identification code to website server **12**. In exemplary embodiments, the affiliation identification code is used as a unique browsing session identifier for host device **10** while browsing upon website server **12**. In such embodiments, the affiliation identification code may be used to modify the URL address.

[00123] In step **405**, host device **10** receives website content reply **66** from website server **12**. Finally, in step **406**, host device **10** outputs webpage content reply **66** via user interface **23** to the user of host device **10** within shared browsing window **17** in synchronized browsing software **16**. In alternative embodiments wherein synchronized browsing software **16** is not required, host device **10** may output webpage content reply **66** via user interface **23** within a standard internet browser, or other compatible browsing software.

[00124] **FIG. 5(c)** illustrates a flow chart of method **500** utilized by synchronization server **13** for the execution of a synchronized browsing session between a host device and one or more guest devices. Method **500** is utilized by synchronization server **13** to facilitate the execution of a synchronized browsing session between host device **10** and guest devices, such as guest device **14**. Method **500** is explained in the order shown in **FIG. 5(c)**; however,

the following steps may be taken in any other conceivable sequence without deviating from the scope of the present invention.

[00125] In Step **501**, synchronization server **13** receives communication message **61** from host device **10**. As previously described, communication message **61** includes webpage interaction information, such as a URL address, form data, java script, cookies, or other data communication. In Steps **502** and **503**, synchronization server **13** queries affiliate database **31** to check if the webpage hosted by website server **12** has an affiliation or partnership agreement with synchronized browsing. In exemplary embodiments of the present invention, synchronization server **13** analyzes communication message **61**, identifies the URL address of the webpage contacted by host device **10**, and checks for a match within affiliate database **31**. In other embodiments, synchronization server **13** may query website server **12** for meta data or other website information for the purposes of determining if the website is an affiliate in the affiliate database **31**.

[00126] If an affiliation identification code with the webpage hosted by website server **12** is not found, synchronization server **13** proceeds to step **504**. If, however, an affiliation identification code with the webpage hosted by website server **12** is found within affiliate database **31**, synchronization server **13** proceeds to step **506**.

[00127] In step **504**, synchronization server **13** identifies guest devices that have joined the synchronized browsing session, such as guest device **14**. In an exemplary embodiment, synchronization server **13** queries session identification database **30** utilizing session identifier **19**, extracting routing information, or other unique information, for guest devices in the synchronized browsing session. In step **505**, synchronization server **13** transmits communication message **64** to guest device **14**.

[00128] In step **506**, synchronization server **13** transmits the affiliation identification code found affiliate database **31** to host device **10**. In step **507**, like in step **504**, synchronization server **13** identifies guest devices that have joined the synchronized browsing session, such as guest device **14**. Finally, in step **508**, synchronization server **13** transmits communication message **64** and the affiliation identification code from affiliate database **31** to guest device **14**. In alternative embodiments, synchronization server **13** may modify communication message **64** to include the affiliation identification code.

[00129] **FIG. 5(d)** illustrates a flow chart of method **600** utilized by guest device **14**, for the execution of a synchronized browsing session with host device **10**. Method **600** is utilized by guest device **14** to facilitate a synchronized browsing session with host device **10**. Method **600** is explained in the order shown in **FIG. 5(d)**; however, the following steps may be taken in any other conceivable sequence without deviating from the scope of the present invention.

[00130] In step **601**, guest device **14** receives communication message **64** from synchronization server **13**, as previously described. In step **602**, guest device **14** transmits website request **65** to website server **12**. As previously described, website request **65** is a data communication message sent to request web content at a designated URL location, such as website server **12**, and is similar or identical to website request **60** sent by host device **10**. Guest device **14** formulates website request **65** by processing communication message **64**. In exemplary embodiments, information in communication message **64**, including URL, form data, cookies or other data, is transmitted in website request **65**.

[00131] In step **603**, guest device **14** receives content reply **67** from website server **12**. Finally, in step **604**, guest device **14** outputs content reply **67** via user interface **27** to the user

of guest device **14** within shared browsing window **17** in synchronized browsing software **16**. In alternative embodiments wherein synchronized browsing software **16** is not required, guest device **14** may output webpage content reply **67** via user interface **27** within a standard internet browser window or other compatible software. In exemplary embodiments, because website request **65** is similar or identical to website request **60**, audio and visual output of content reply **67** is similar or identical to audio and visual output of content reply **66** unless one or more of the users has already registered with that site and certain personalization settings are triggered for that user at that site in which case the rendered site would also include those settings within the context of the requested site.

[00132] **FIG. 6(a)** illustrates a flow chart of method **700** for the utilization of tabbed browsing within a synchronized browsing session by a leading device, such as host device **10**. Method **700** facilitates unshared browsing in a separate tabbed browsing window during a synchronized browsing session by a leading device. Method **700** is explained in the order shown in **FIG. 6(a)**; however, the following steps may be taken in any other conceivable sequence without deviating from the scope of the present invention.

[00133] In step **701**, the leading device detects a non-shared activation of a hyperlink in shared browser window **17** of synchronized browsing software **16**, or other software capable of performing a synchronized browsing session. In exemplary embodiments of the present invention, shared actions by the leading device within synchronized browsing software **16** prompt the transmission of both website request **60** and communication message **61**, as discussed previously. Non-shared action within the synchronized browsing software **16**, however, prompts the leading device to proceed to step **702**. In exemplary embodiments of the present invention, non-shared activation of hyperlinks in synchronized browsing

software **16** may comprise a user click on a unopened or blank non-shared tab, right-click, control-click, “finger or screen” press, or some other form of activation such that the software recognizes the activation as to not be shared with guests in the synchronized browsing session.

[00134] In step **702**, the leading device generates an unshared browsing window within synchronized browsing software **16**. In exemplary embodiments, shared browsing window **17** within synchronized browsing software **16** on the leading device remains unaffected, and any activation within shared browsing window **17** prompts the transmission of both website request **60** and communication message **61** for the synchronized browsing session. Once an unshared browsing window is generated, the leading device proceeds to step **703**.

[00135] In step **703**, the leading device contacts the requested website server, such as website server **12**, for the unshared website browsing window. In alternative embodiments of the present invention, the leading device may send communication message **61** to synchronization server **13** for a website affiliation query within affiliation database **31**. In such embodiments, communication message **61** may comprise data, an identifier, or some other information to indicate to synchronization server **13** that the webpage interaction information is not to be relayed to the following devices. As such, in response to communication message **61**, synchronization server **13** may transmit reply message **62** to the leading device, comprising an affiliation identification code or some other recognizable identifier for the affiliated website.

[00136] In step **704**, the leading device receives the unshared browsing data. Finally, in step **705**, the leading device outputs the unshared browsing data in the unshared browsing window.

[00137] FIG. 6(b) illustrates a flow chart of method 750 for the utilization of tabbed browsing by a following device, such as guest device 14, within a synchronized browsing session. Method 750 facilitates unshared browsing in a separate tabbed browsing window during a synchronized browsing session by a following device that does not possess leading device control of the synchronized browsing session. Method 750 is explained in the order shown in FIG. 6(b); however, the following steps may be taken in any other conceivable sequence without deviating from the scope of the present invention.

[00138] In step 751, the following device activates a hyperlink within shared browsing window 17 of synchronized browsing software 16. In exemplary embodiments, any interaction by the user of a following device that is not also a leading device prompts the following device to proceed to step 752.

[00139] Step 752-755 of method 750 utilized by the following device are the same as steps 702-705 of method 700 utilized by the leading device. The following device generates an unshared browser window in response to the activation of the hyperlink in step 751. The following device then contacts the website server and receives the requested webpage data. Finally, the following device outputs the unshared webpage data in the unshared browsing window.

[00140] In alternative embodiments of the present invention, either leading or following devices may send communication message 61 to synchronization server 13 for a website affiliation query within affiliation database 31 regarding unshared webpage interactions. In such embodiments, communication message 61 may comprise data, an identifier, or some other information to indicate to synchronization server 13 that the webpage interaction information is not to be relayed to other devices. As such, in response

to communication message **61**, synchronization server **13** may transmit reply message **62** to the querying device, comprising an affiliation identification code for the affiliated website.

[00141] **FIG. 7(a)** illustrates a screen shot of an exemplary embodiment of synchronized browsing software being run on a host device. **FIG. 7(a)** illustrates the visual output of host device **10** running synchronized browsing software **16**, wherein synchronized browsing software **16** comprises shared browsing window **17**, shared browsing tab **18** and unshared browsing tab **70**. In various embodiments of the present invention, synchronized browsing software **16** may comprise new room button **71**, invitation button **72**, attendee list **73**, chat box **74**, buddy list **75**, and browse menu button **76**.

[00142] Unshared browsing tab **70** is a browsing tab identifier and extension of an unshared browsing window, as described in **FIGS. 6(a)** and **6(b)**. New room button **71** is a component of synchronized browsing software **16** that, when clicked or activated by a user, prompts the user to start a new synchronized browsing session. Like activation hyperlink **51**, previously discussed for **FIG. 2(c)**, activation of new room button **71** may prompt the user to start a new synchronized browsing session.

[00143] Activation of invitation button **72** allows a participant in a synchronized browsing session, whether leading or following, to invite a prospective guest to join the synchronized browsing session. In an exemplary embodiment, activation of invitation button **72** may prompt the user of synchronized browsing software **16** to input a desired recipient of the invitation request. In alternative embodiments, activation of invitation button **72** may allow the user of synchronized browsing software **16** to invite a prospective guest via methods discussed and illustrated in **FIGS. 4(b)-4(e)**.

[00144] Attendee list **73** is a component of synchronized browsing software **16** that lists the attendees present in the synchronized browsing session. In alternative embodiments of the present invention, attendee list **73** may only share attendee information with leading devices, such as host device **10**, and not following devices, such as guest device **14**. In alternative embodiments, however, attendee list **73** may only list known contacts or friends of the user of synchronized browsing software **16**. In exemplary embodiments, attendee list **73** may provide visual notification if an attendee has voice chat or video chat capability, or if the attendee has voice chat or video chat enabled.

[00145] Further, attendee list **73** may provide the user of synchronized browsing software **16** capability to audibly or visually communicate with individual attendees, groups of attendees, or all attendees of the synchronized browsing session. Additionally, attendee list **73** provides for mute, sound level and other audio and video control capabilities, including options to add, remove, or otherwise disable specific functionality for the user of synchronized browsing software **16**. In further embodiments, host device **10** may limit or restrict functionality available to guest devices in synchronized browsing software **16** during a synchronized browsing session. Finally, attendee list **73** also performs other functions such as, but not limited to, enabling users to pass and request controls, banning or ejecting certain users from sessions, audio or text muting certain users, viewing respective profiles for each of the attendees either within the application or on a separate web page, initiating private chat sessions, or other functions.

[00146] Chat box **74** is a component of synchronized browsing software **16** that allows attendees of the synchronized browsing session to communicate via text chat. In exemplary embodiments, synchronized browsing software **16** provides functionality to control to whom

messages are sent via chat box **74**, or which attendees may send and receive messages via chat box **74**. Chat box **74** enables users to utilize both textual messages and emoticons that integrate links within them; when these emoticons are selected, clicked, or otherwise triggered, the user will visit the embedded link within a separate non-shared window. These links may also contain advertising, affiliate, or other similar codes that recognize the source of that traffic and give the publisher of that traffic credit for the user's visit to a certain site, game, virtual world, or other application.

[00147] Buddy list **75** is a component of synchronized browsing software **16** that provides a list of friends and contacts of the user. In exemplary embodiments, buddy list **75** may incorporate friend lists of the user of synchronized browsing software **16** from AOL®, GMAIL®, MSN®, YAHOO®, FACEBOOK®, or other communication, social networking, and social communication methods and platforms. Buddy list **75** may provide visual notification if a friend or contact listed in buddy list **75** is online, offline, busy, available, or some other status. In exemplary embodiments, activation of a contact in buddy list **75** may provide the user of synchronized browsing software **16** the option to chat, text, communicate, or invite the contact to a synchronized browsing session. Further, synchronized browsing software **16** may integrate social media services from media providers such as FACEBOOK®, TWITTER®, GOOGLE®, and others, to provide social media functionality to the user.

[00148] Browse menu button **76** is a component of synchronized browsing software **16** that provides a user access to the browse menu. Activation of browse menu button **76** opens the browse menu of synchronized browsing software **16**, which will be discussed for **FIG. 7(b)**.

[00149] FIG. 7(b) illustrates an exemplary embodiment of synchronized browsing software on a host device highlighting an expanded browse menu. FIG. 7(b) illustrates browse menu button 76 and browse menu 77.

[00150] Browse menu button 76 and browse menu 77 are components of synchronized browsing software 16 that provide the user easy access to a vast amount of information and media. Activation of browse menu button 76 prompts the opening of browse menu 77. In exemplary embodiments, browse menu 77 may include tabbed windows of content. In the embodiment illustrated in FIG. 7(b), the tabs include “favorites,” “happening now,” “shopping,” “travel,” “media,” and apps.” Alternatively, the tabbed windows may separate internet content by theme, alphabetically, or by some other sorting method. In yet other embodiments, the tabs may be editable, such that a user may sort content according to their preferences.

[00151] Browse menu 77 may provide access to featured and publicly shared synchronized browsing sessions. Further, browse menu 77 may inform the user of synchronized browsing software 16 of upcoming events, promotions, and other information. Additionally, a user may sign up, or RSVP, to a synchronized browsing session via browse menu 77.

[00152] A method and apparatus for the implementation of a real-time, sharable browsing experience on a guest device has been described. The foregoing description of the various exemplary embodiments of the invention has been presented for the purposes of illustration and disclosure. It is not intended to be exhaustive or to limit the invention to the precise form disclosed. Many modifications and variations are possible in light of the above

teaching. It is intended that the scope of the invention not be limited by this detailed description, but by the claims and the equivalents to the claims.

WHAT IS CLAIMED IS:

1. A method for performing a synchronized browsing session administered by a synchronization server, comprising:
 - detecting an activation of a hyperlink associated with said synchronized browsing session;
 - sending a request to join said synchronized browsing session to said synchronization server in response to said activation of said hyperlink;
 - joining said synchronized browsing session;
 - receiving data from said synchronization server, wherein said data comprises cookie information associated with a website; and
 - operating a browser based on said data received from said synchronization server.
2. The method of claim 1, further comprising receiving an invitation to join said synchronized browsing session.
3. The method of claim 2, wherein said invitation comprises said hyperlink associated with said synchronized browsing session.
4. The method of claim 2, wherein said invitation further comprises a session identifier.
5. The method of claim 2, wherein said invitation is received via a viable means of communication.
6. The method of claim 1, wherein said data further comprises information related to shared user input web browsing interactions.

7. The method of claim 6, wherein said shared user input web browsing interactions further comprise web browsing interaction data.
8. The method of claim 6, wherein said shared user input web browsing interactions further comprise a log-in into a restricted access webpage.
9. The method of claim 6, wherein said shared user input web browsing interactions are depicted in a first web browser window.
10. The method of claim 9, wherein non-shared web browsing interactions are depicted in a second web browser window.
11. An apparatus for performing a synchronized browsing session administered by a synchronization server, comprising:
 - a network interface adapted to communicate with said synchronization server; and
 - a processor adapted to:
 - activate a hyperlink associated with said synchronized browsing session;
 - send a request to join said synchronized browsing session to said synchronization server via said network interface, in response to the activation of said hyperlink;
 - join said synchronized browsing session;
 - receive data from said synchronization server, wherein said data comprises cookie information associated with a website; and
 - operate a browser based on said data received from said synchronization server.

12. The apparatus of claim 11, further comprising a memory adapted to store one or more software modules for controlling said processor.
13. The apparatus of claim 11, wherein said hyperlink is received from a host device via a viable means of communication.
14. The apparatus of claim 11, further comprising a user interface adapted to initiate said processor to send said request in response to a user input.
15. The apparatus of claim 14, wherein said user input comprises activation of said hyperlink for initializing sending of said request to join said synchronized browsing session.
16. The apparatus of claim 11, further comprising a user interface adapted to depict shared user input web browsing interactions in a shared web browsing window.
17. The apparatus of claim 16, wherein information related to said shared user input web browsing interactions comprises web browsing interaction data.
18. The apparatus of claim 16, wherein said shared user input web browsing interactions further comprise a log-in into a restricted access webpage.
19. The apparatus of claim 16, wherein said shared user input web browsing interactions are depicted in a first web browser window.

20. The apparatus of claim 19, wherein non-shared web browsing interactions are depicted in a non-shared web browser window.

ABSTRACT OF THE INVENTION

The present invention describes a method and apparatus for the implementation of a real-time, sharable web browsing experience on a guest device, utilizing the transfer of URL and form data information. The present invention further describes a method for joining a synchronized browsing session administered by a synchronization server, comprising activating a hyperlink associated with the synchronized browsing session, sending a request to join the synchronized browsing session to the synchronization server in response to the activation of the hyperlink, and joining the synchronized browsing session. The present invention further describes a method for implementing a synchronized browsing session, comprising receiving information related to a shared web browsing interaction performed by a host device from a synchronization server, and performing the shared web browsing interaction based on the information received from the synchronization server.

Electronic Patent Application Fee Transmittal				
Application Number:				
Filing Date:				
Title of Invention:		METHOD AND APPARATUS FOR THE IMPLEMENTATION OF A REAL-TIME, SHARABLE BROWSING EXPERIENCE ON A GUEST DEVICE		
First Named Inventor/Applicant Name:		Kambiz David Pirnazar		
Filer:		David V. Jafari./Andre Ausseresses		
Attorney Docket Number:				
Filed as Small Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Utility filing Fee (Electronic filing)	4011	1	70	70
Utility Search Fee	2111	1	300	300
Utility Examination Fee	2311	1	360	360
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				730

Electronic Acknowledgement Receipt	
EFS ID:	16427030
Application Number:	13951789
International Application Number:	
Confirmation Number:	4298
Title of Invention:	METHOD AND APPARATUS FOR THE IMPLEMENTATION OF A REAL-TIME, SHARABLE BROWSING EXPERIENCE ON A GUEST DEVICE
First Named Inventor/Applicant Name:	Kambiz David Pirnazar
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Filer Authorized By:	David V. Jafari.
Attorney Docket Number:	
Receipt Date:	26-JUL-2013
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Time Stamp:	13:50:44
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File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Application Data Sheet	aia0014_Application_Data_Sheet.pdf	1503303	no	6
			a48b8241e6ccd6d25f1bdb9e812accdb85f414b		
Warnings:					
Information:					
2	Drawings-only black and white line drawings	Drawings_v1_Cute.pdf	2301330	no	20
			8bb3ce3918178f043aed96f0862783e2a3519a63		
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3	Power of Attorney	aia0082_Power_of_Attorney.pdf	4657717	no	3
			4ae058452545941e5214e63fc06384f10cb91c9		
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4	Information Disclosure Statement (IDS) Form (SB08)	SB08a_IDS.pdf	612763	no	6
			18a8d5d8df635c571474bb0e696ceca79f5e154d		
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5	Oath or Declaration filed	aia0001_Declaration.pdf	3222169	no	2
			c712dbac5b9cd32511e8d3f5ea1528a8daf4f11c		
Warnings:					
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6		Specification_Claims_Abstract_v1_Cute.pdf	367409	yes	52
			38f939c834a994c7f4ae156ec200fc7d1bb08c75b		
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Specification		1	47	
	Claims		48	51	
	Abstract		52	52	
Warnings:					

Information:					
7	Fee Worksheet (SB06)	fee-info.pdf	33289	no	2
			693eb26e73a76b4ab613a5f10e6bfb837144e5c		
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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	
		Application Number	
Title of Invention	METHOD AND APPARATUS FOR THE IMPLEMENTATION OF A REAL-TIME, SHARABLE BROWSING EXPERIENCE ON A GUEST DEVICE		
The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76. This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.			

Secrecy Order 37 CFR 5.2

☐ Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)
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	Kambiz	David	Pirnazar			
Residence Information (Select One) ☒ US Residency ☐ Non US Residency ☐ Active US Military Service						
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Application Information:

Title of the Invention	METHOD AND APPARATUS FOR THE IMPLEMENTATION OF A REAL-TIME, SHARABLE BROWSING EXPERIENCE ON A GUEST DEVICE		
Attorney Docket Number		Small Entity Status Claimed	☒
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	20	Suggested Figure for Publication (if any)	1

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	
		Application Number	
Title of Invention	METHOD AND APPARATUS FOR THE IMPLEMENTATION OF A REAL-TIME, SHARABLE BROWSING EXPERIENCE ON A GUEST DEVICE		

Publication Information:

☐	Request Early Publication (Fee required at time of Request 37 CFR 1.219)
☐	Request Not to Publish. I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

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Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.			
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This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) or indicate National Stage entry from a PCT application. Providing this information in the application data sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.			
Prior Application Status	Pending	Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
	Continuation of	12783743	2010-05-20
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the Add button.			Add

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This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55(d). When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX) the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(h)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).			
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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	
		Application Number	
Title of Invention	METHOD AND APPARATUS FOR THE IMPLEMENTATION OF A REAL-TIME, SHARABLE BROWSING EXPERIENCE ON A GUEST DEVICE		

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

☒	This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.
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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	
		Application Number	
Title of Invention	METHOD AND APPARATUS FOR THE IMPLEMENTATION OF A REAL-TIME, SHARABLE BROWSING EXPERIENCE ON A GUEST DEVICE		

Applicant 1				Remove
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Clear				
☐ Assignee		☐ Legal Representative under 35 U.S.C. 117		☐ Joint Inventor
☒ Person to whom the inventor is obligated to assign.			☐ Person who shows sufficient proprietary interest	
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If the Applicant is an Organization check here. ☒				
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Mailing Address Information:				
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City		Los Angeles	State/Province	CA
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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	
		Application Number	
Title of Invention	METHOD AND APPARATUS FOR THE IMPLEMENTATION OF A REAL-TIME, SHARABLE BROWSING EXPERIENCE ON A GUEST DEVICE		

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Signature	/David V. Jafari/		Date (YYYY-MM-DD)	2013-07-18
First Name	David	Last Name	Jafari	Registration Number
			51839	

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FIG. 1(a)

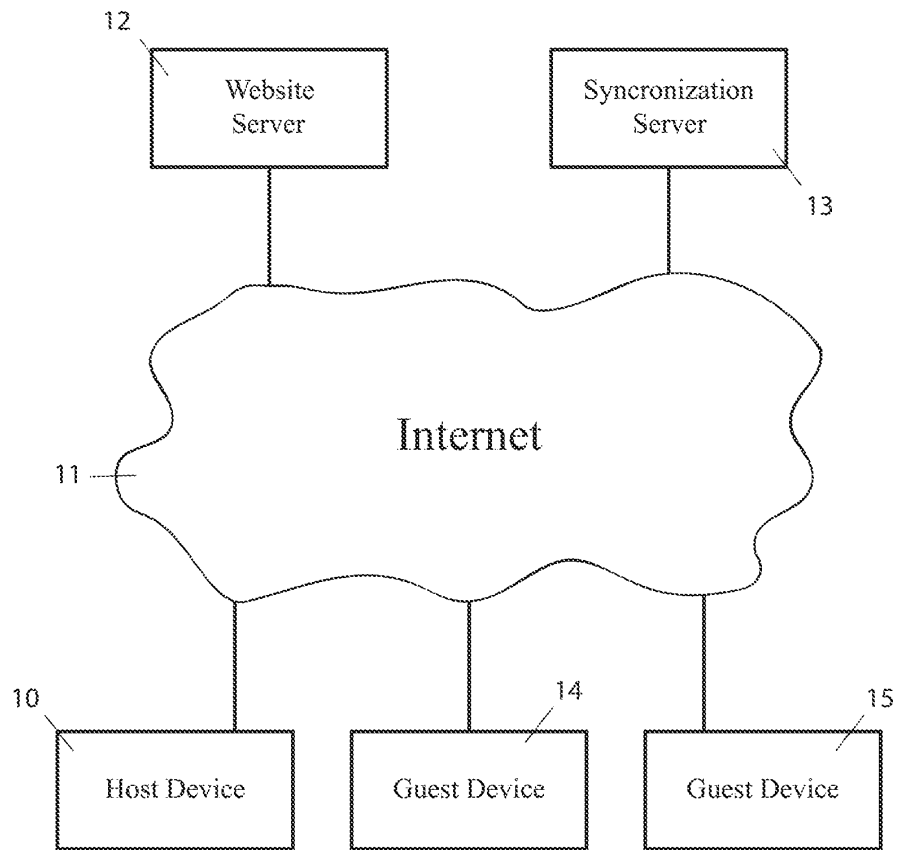


FIG. 1(b)

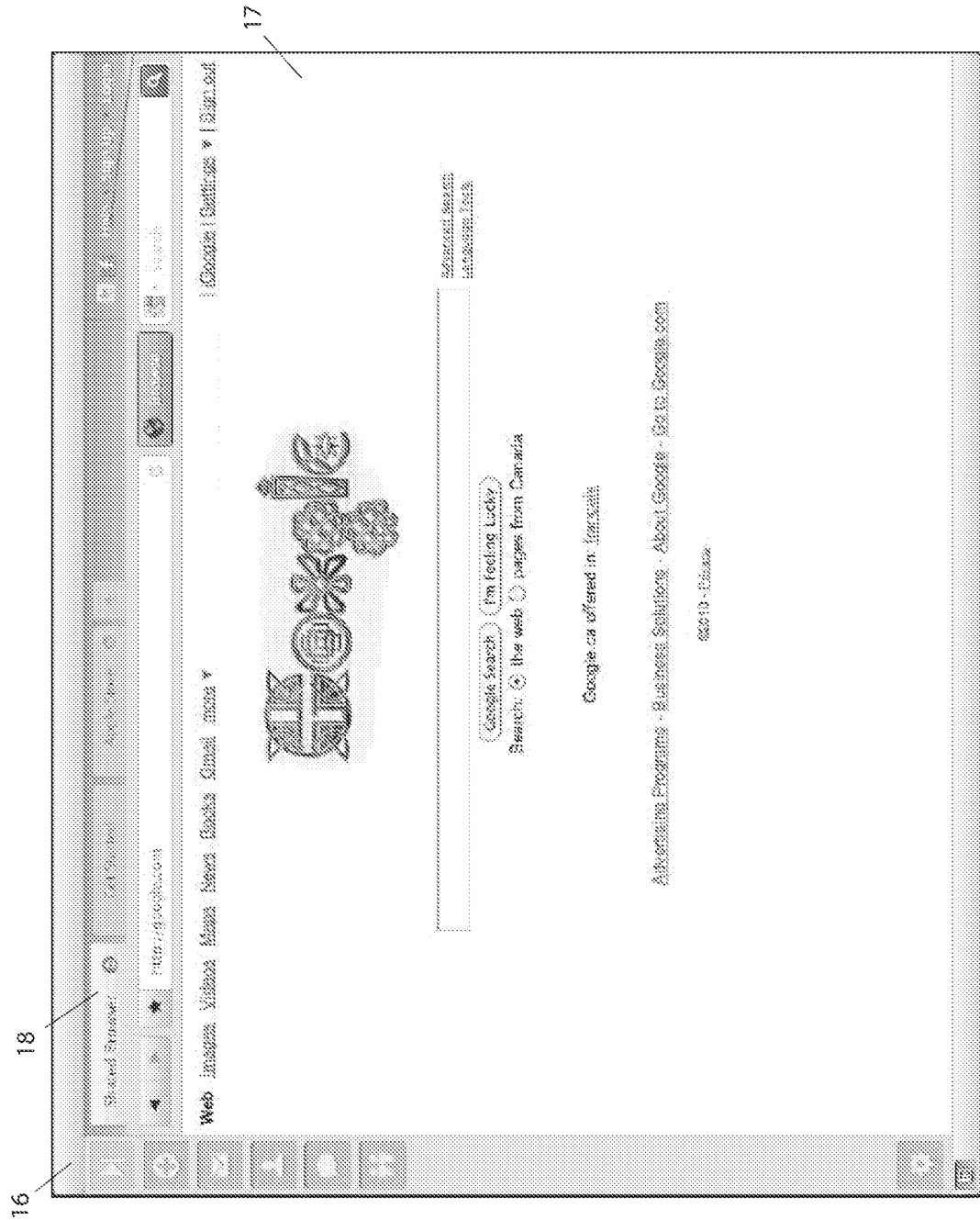


FIG. 1(c)

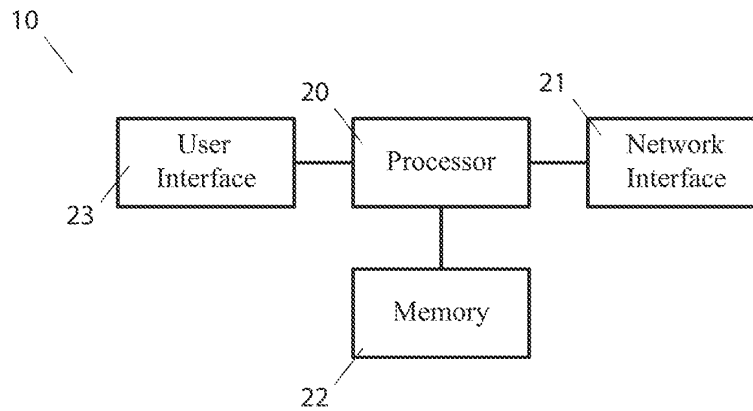


FIG. 1(d)

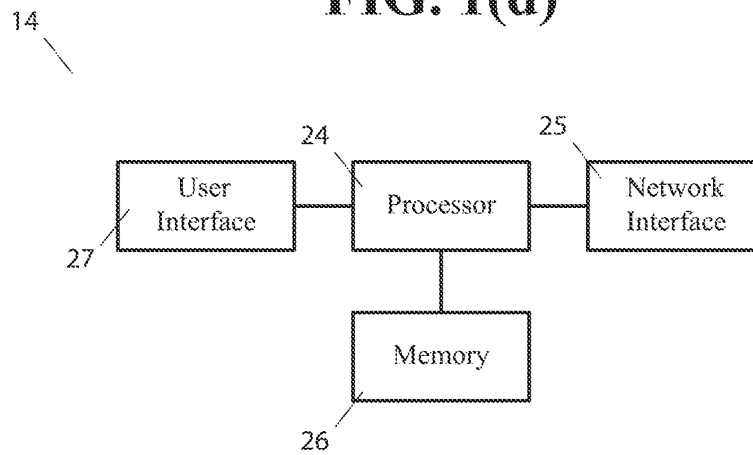


FIG. 1(e)

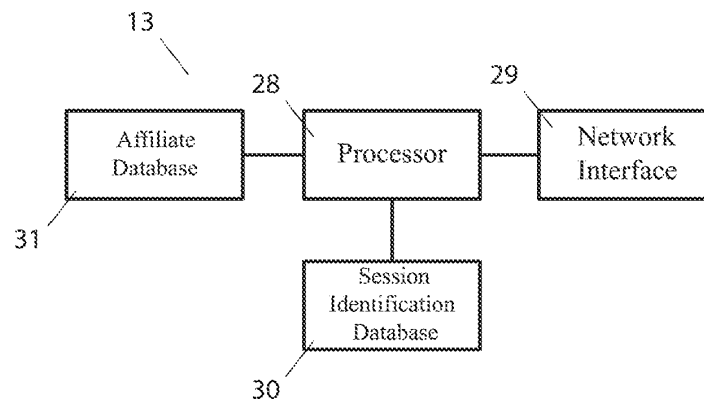


FIG. 2(a)

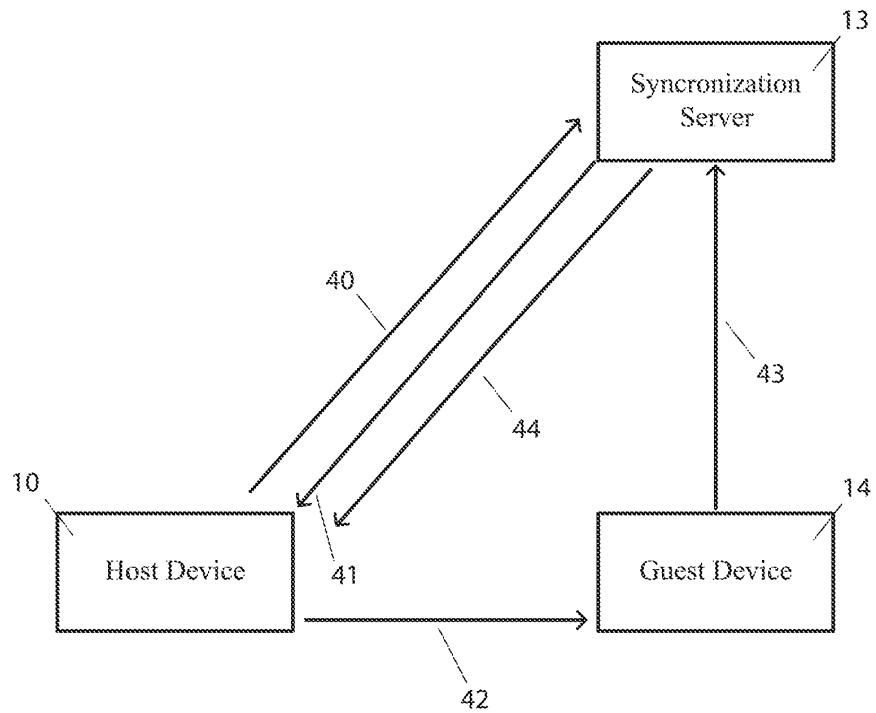


FIG. 2(b)

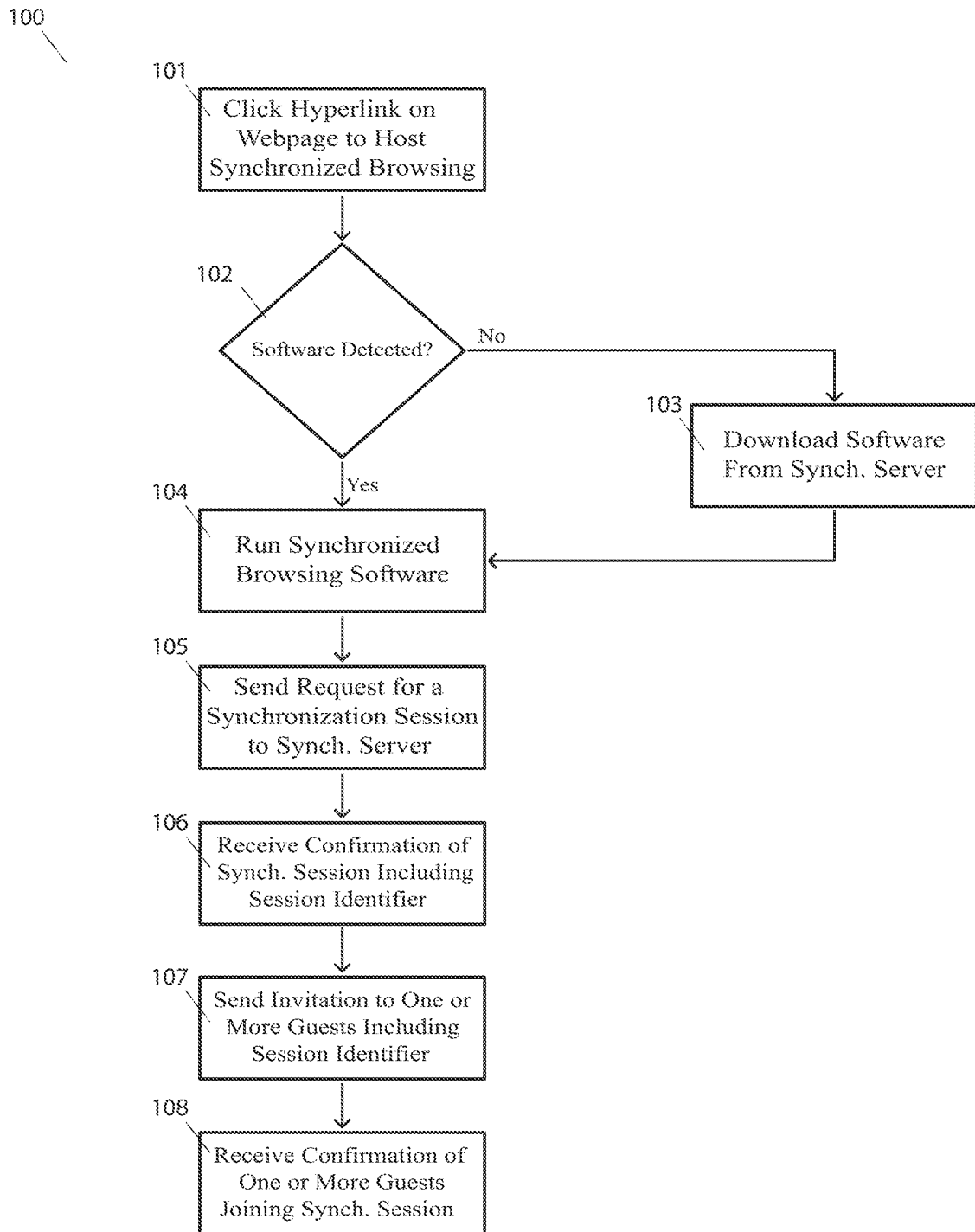


FIG. 2(c)

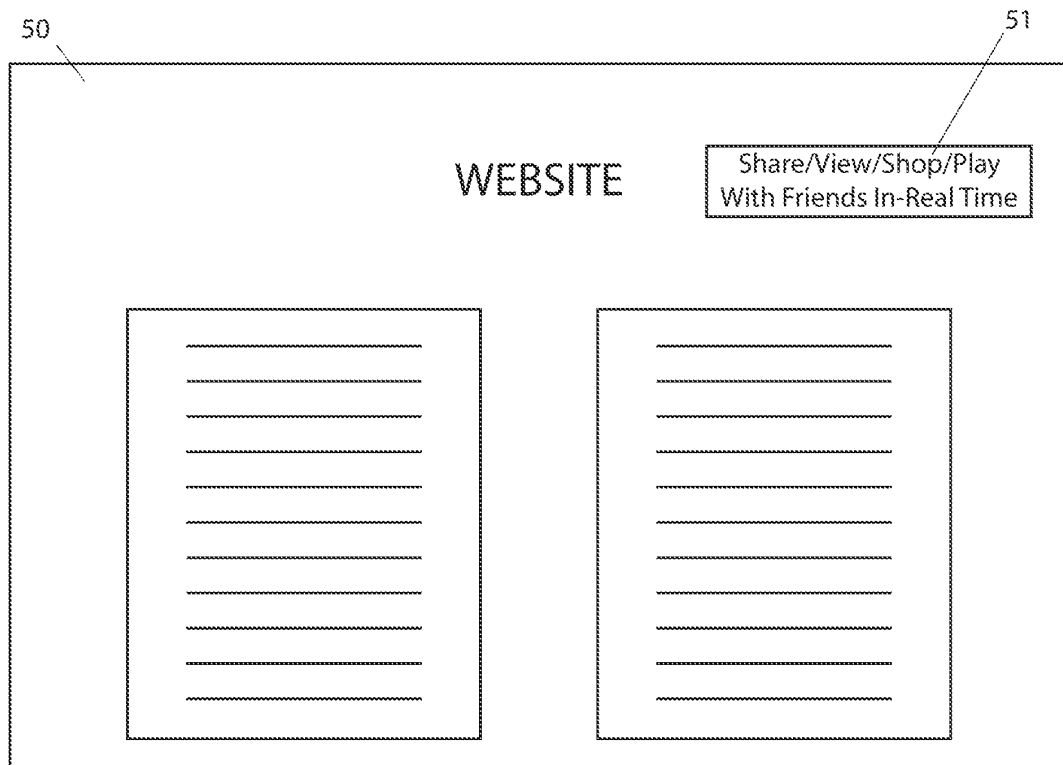


FIG. 3

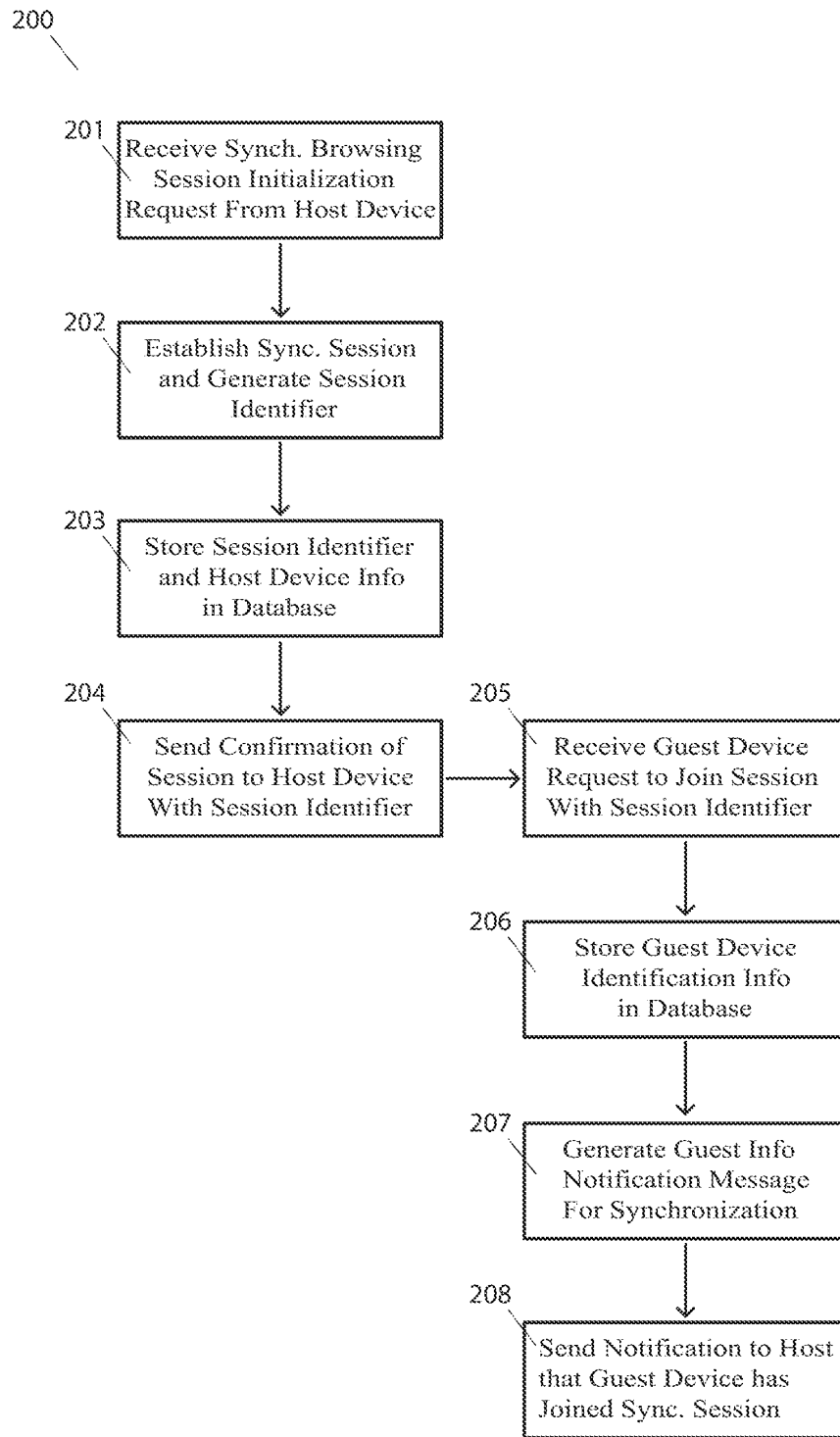


FIG. 4(a)

300

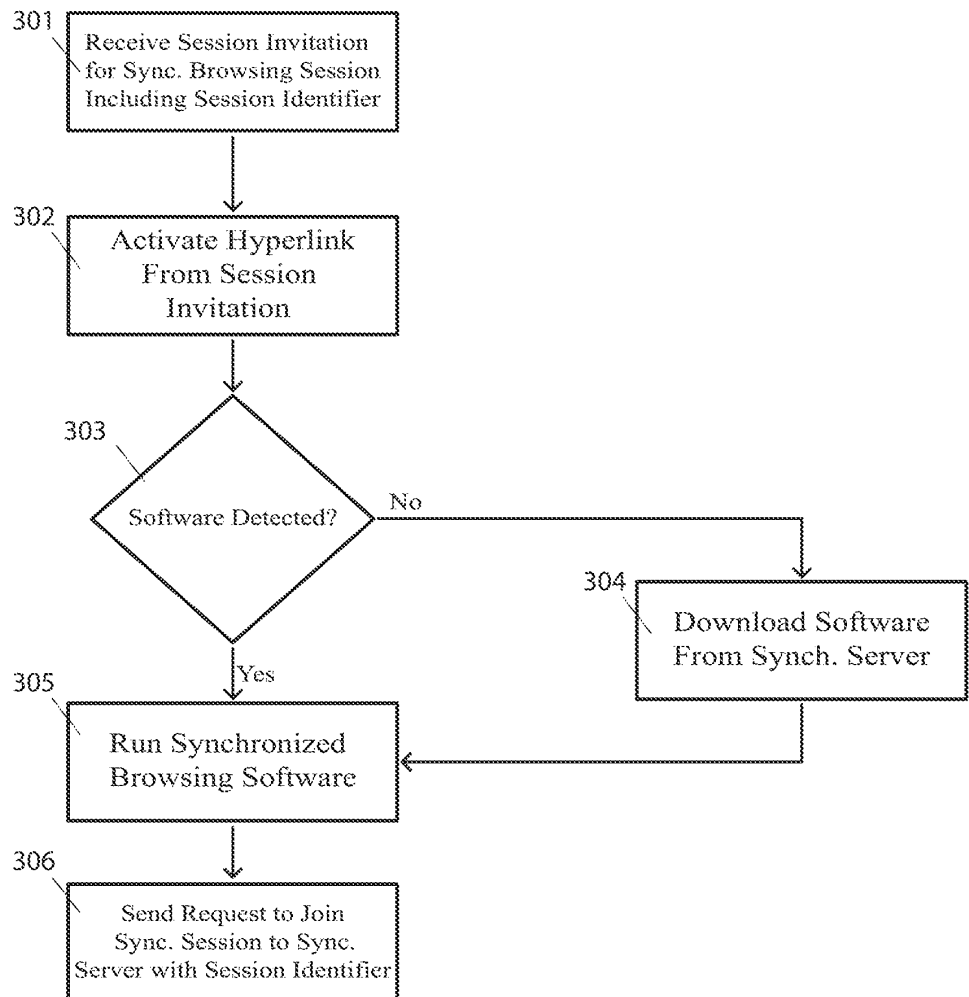


FIG. 4(b)



FIG. 4(c)

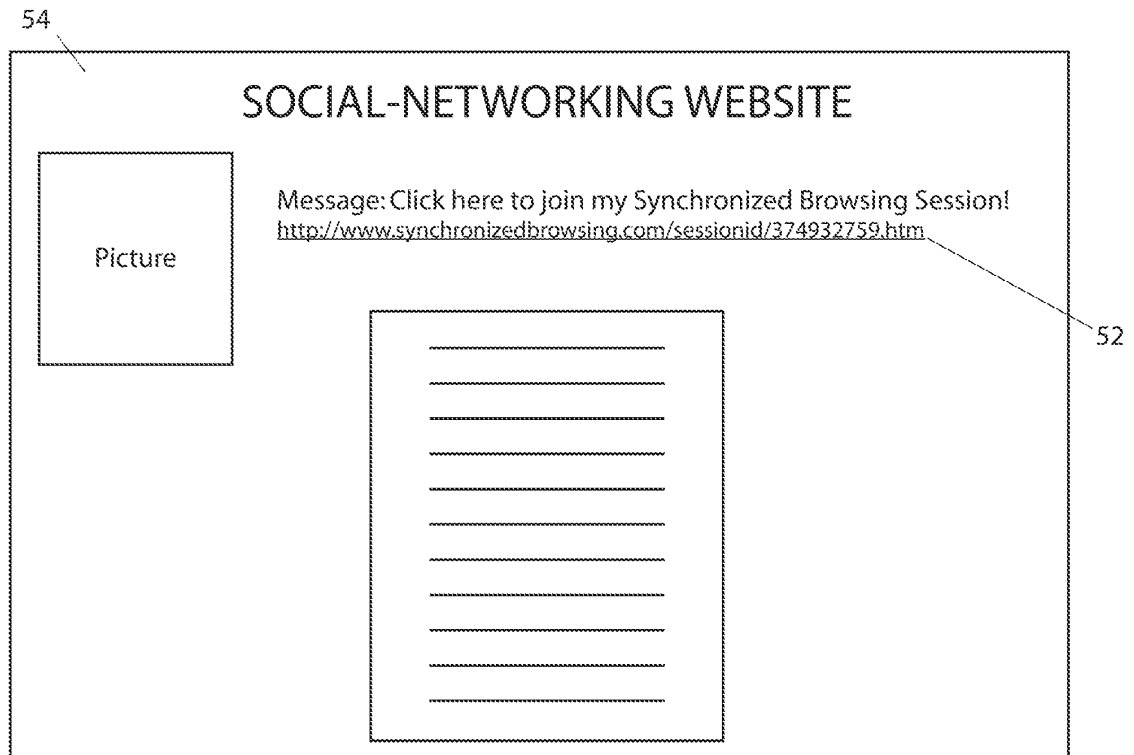


FIG. 4(d)

55

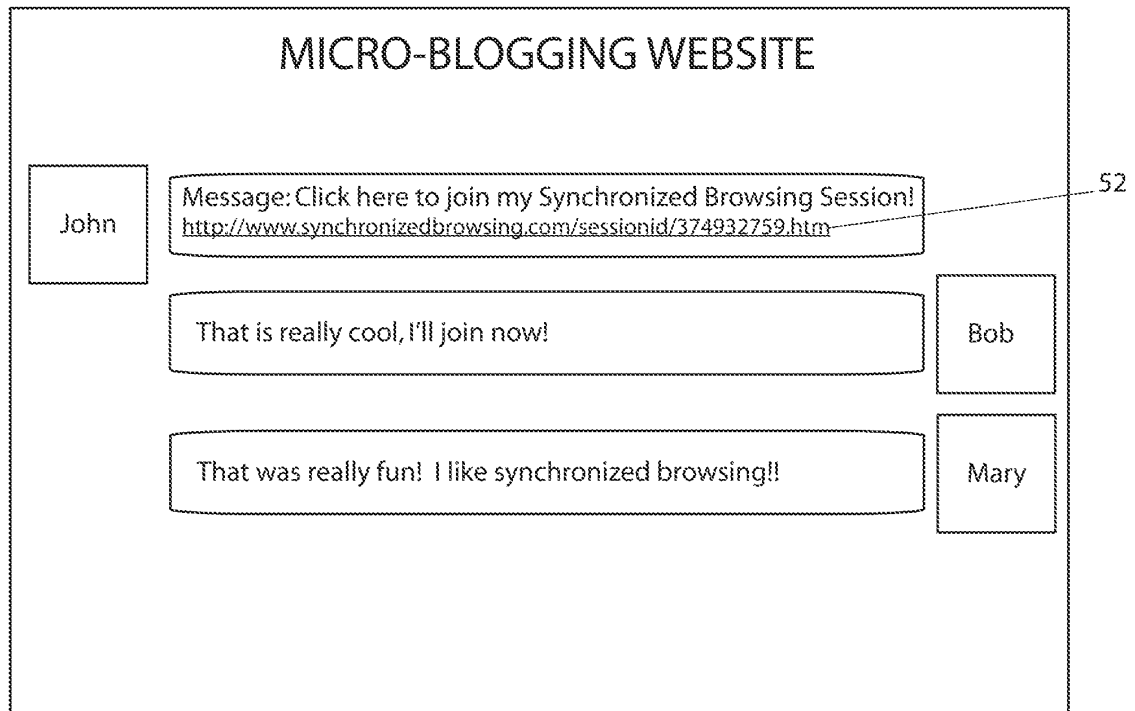


FIG. 4(e)



FIG. 5(a)

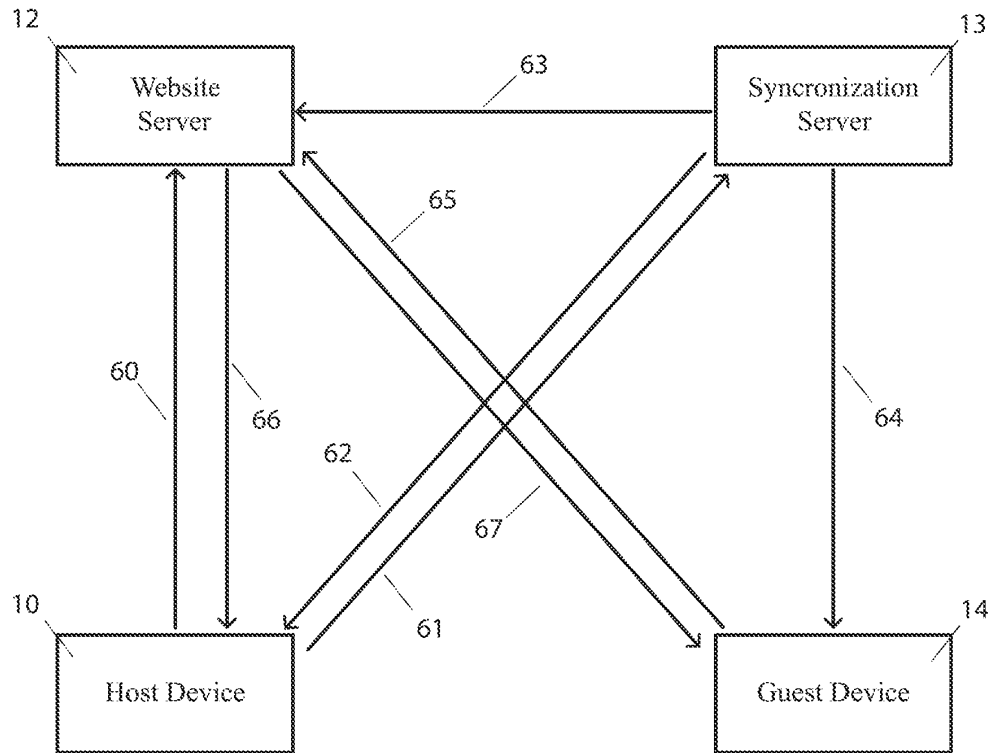


FIG. 5(b)

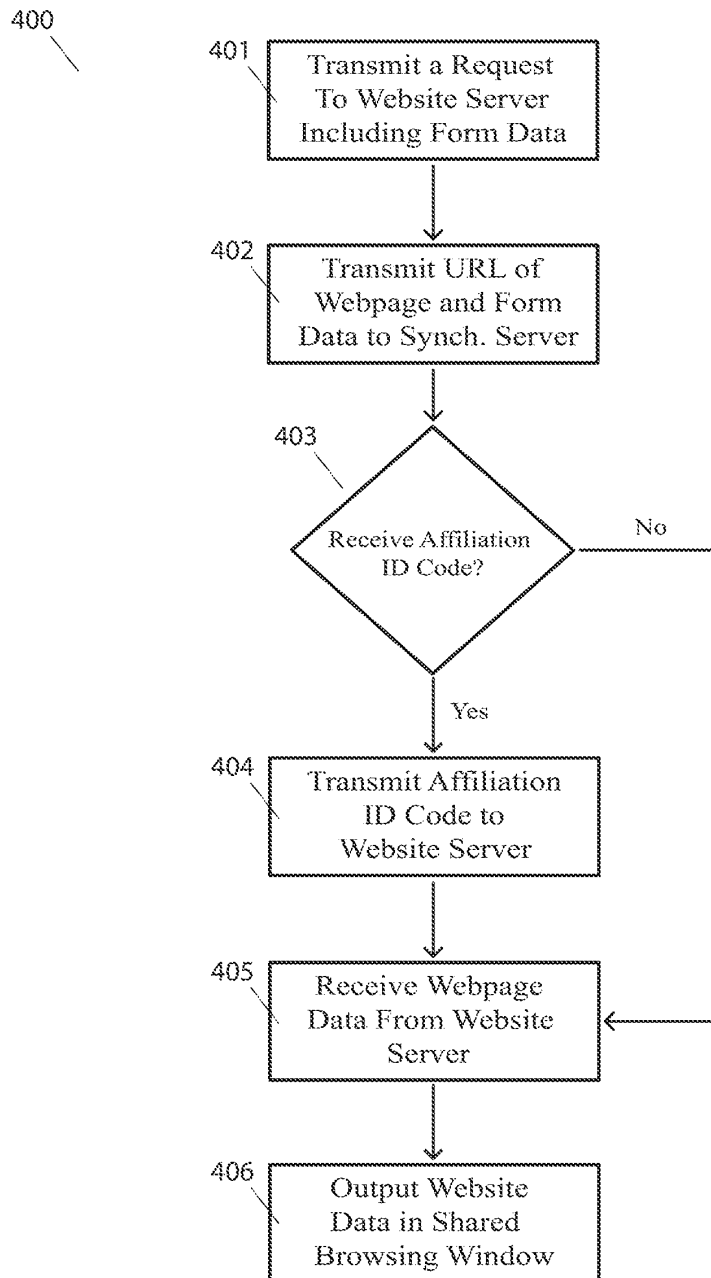


FIG. 5(c)

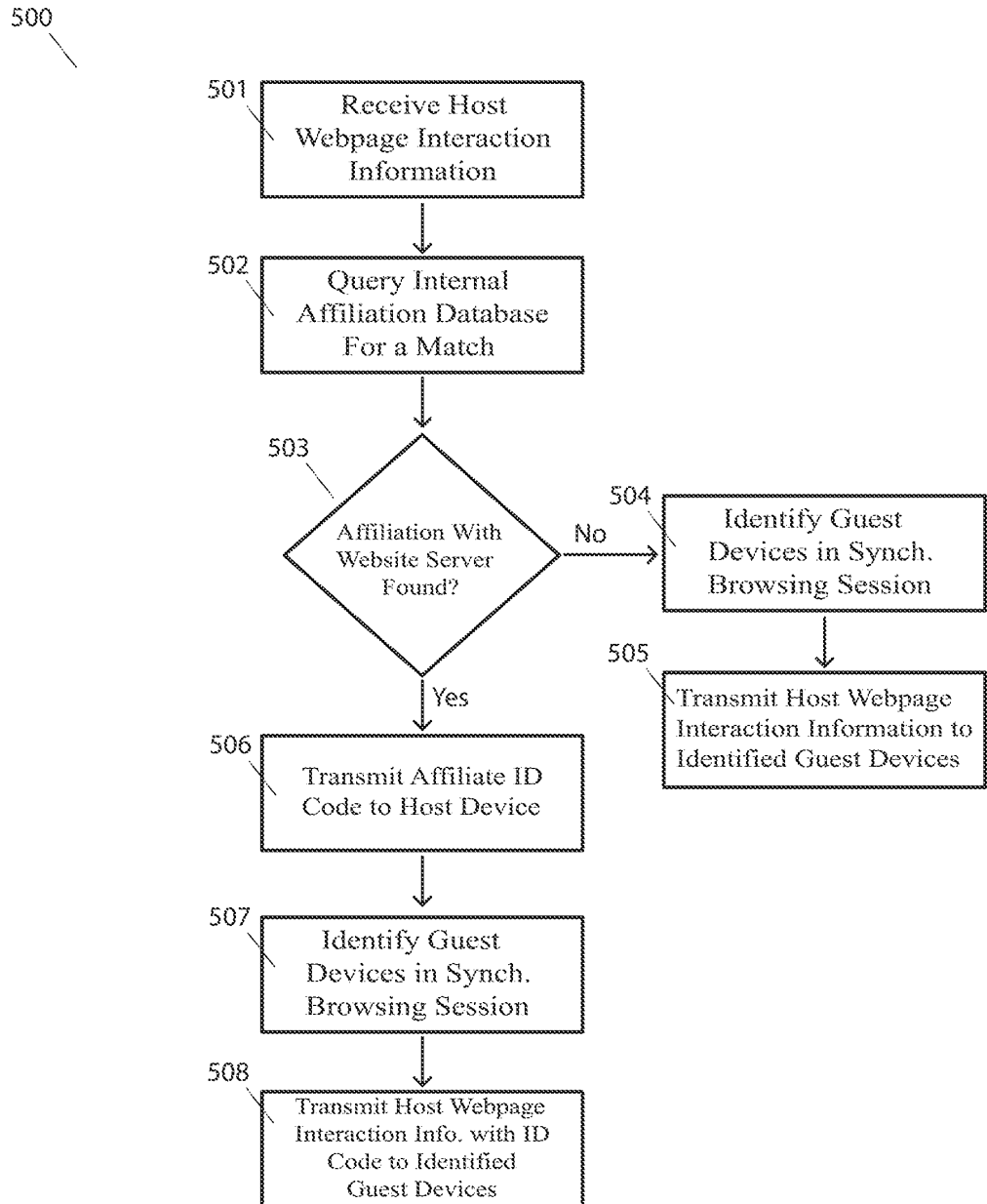


FIG. 5(d)

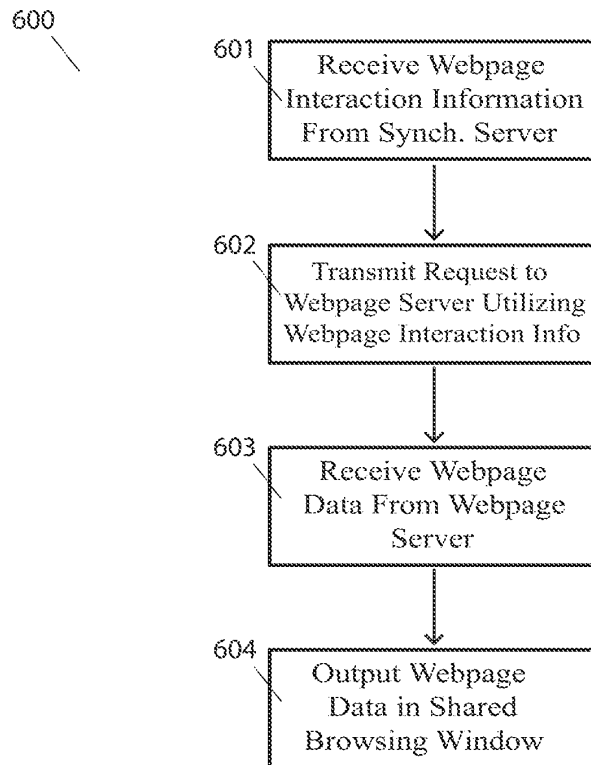


FIG. 6(a)

700

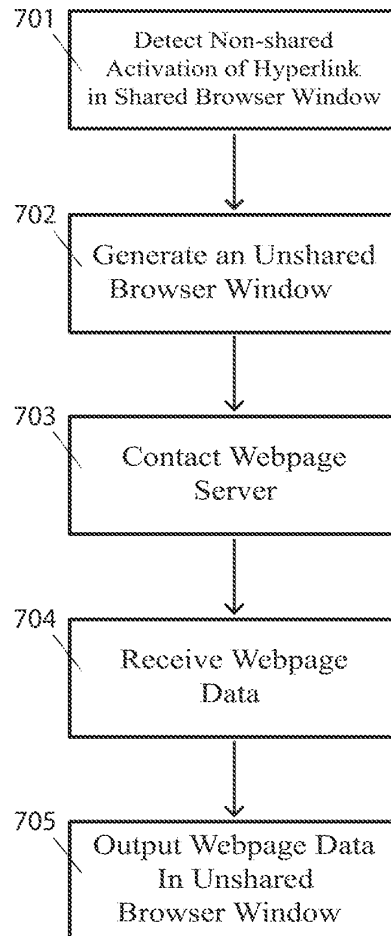


FIG. 6(b)

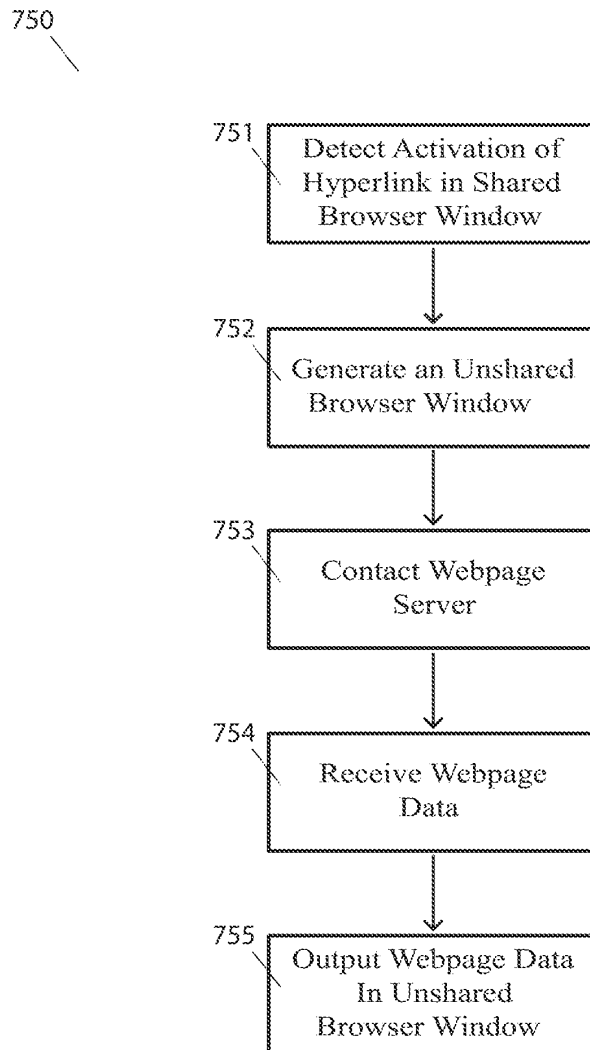


FIG. 7(a)

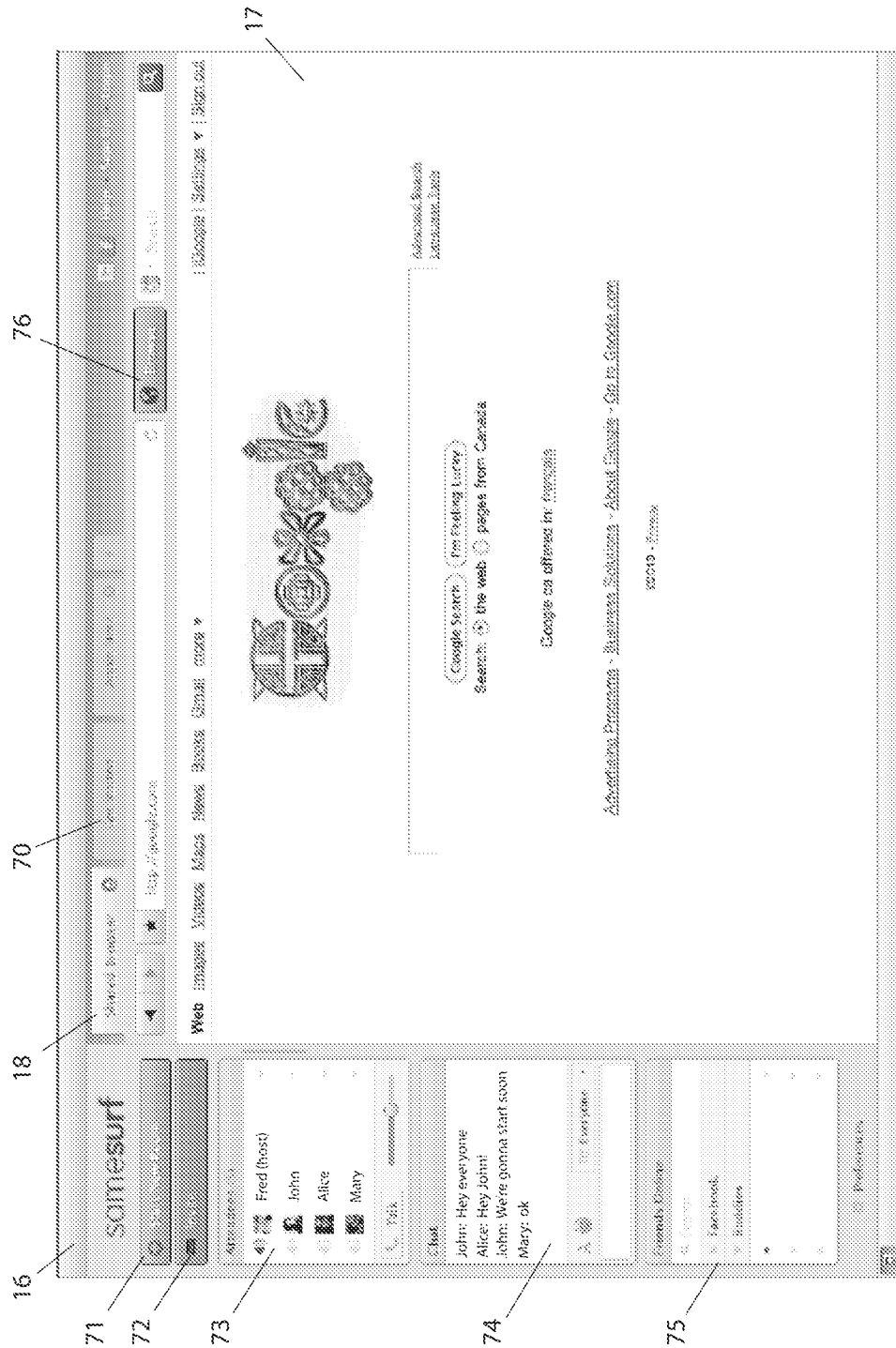
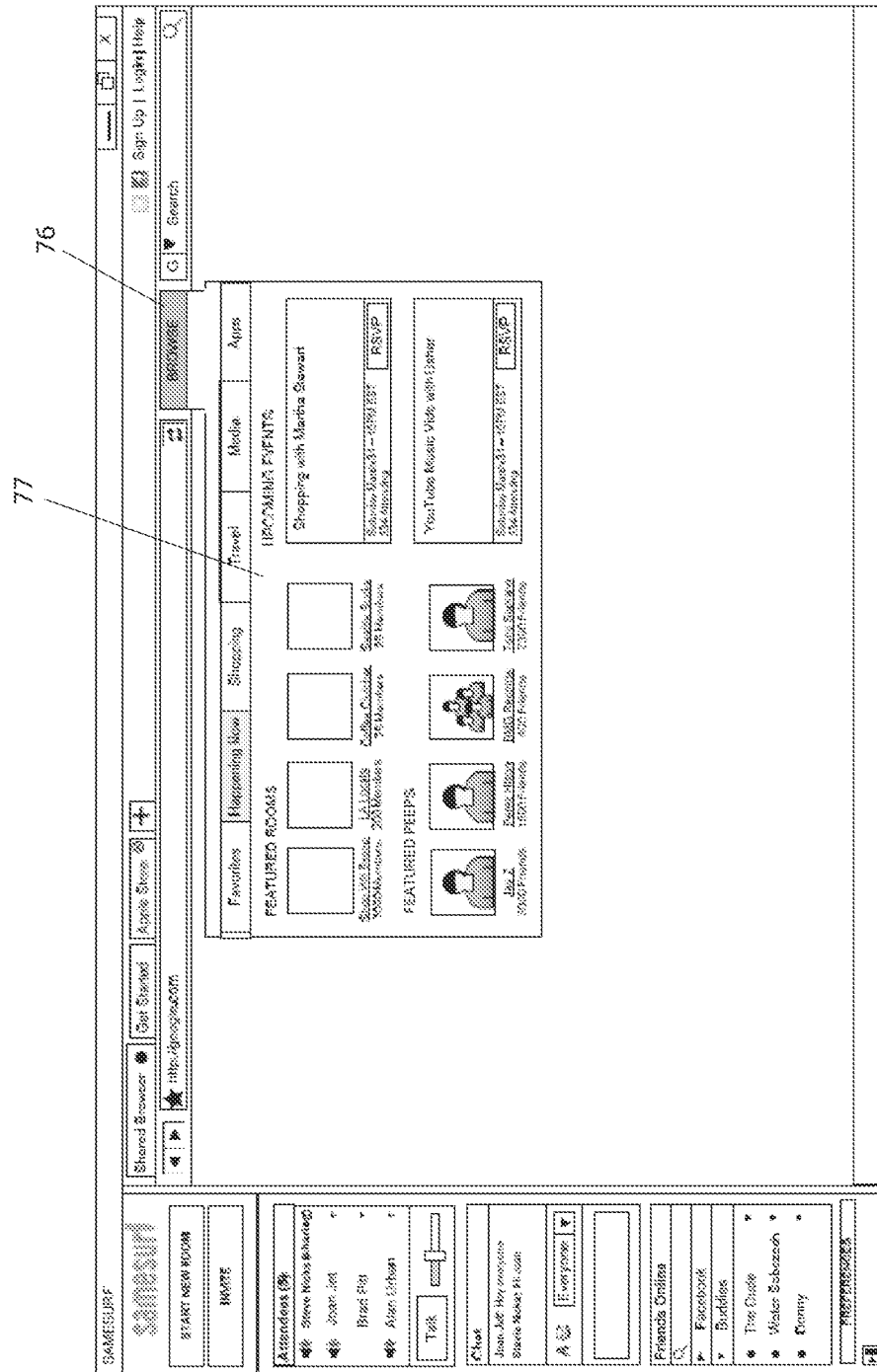


FIG. 7(b)



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EFS ID:	16427030
Application Number:	13951789
International Application Number:	
Confirmation Number:	4298
Title of Invention:	METHOD AND APPARATUS FOR THE IMPLEMENTATION OF A REAL-TIME, SHARABLE BROWSING EXPERIENCE ON A GUEST DEVICE
First Named Inventor/Applicant Name:	Kambiz David Pirnazar
Customer Number:	61618
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Filer Authorized By:	David V. Jafari.
Attorney Docket Number:	
Receipt Date:	26-JUL-2013
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Application Type:	Utility under 35 USC 111(a)

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1	Application Data Sheet	aia0014_Application_Data_Sheet.pdf	1503303 a48b8241e6ccd6d25f1bdb9e812accd85f414b	no	6
Warnings:					
Information:					
2	Drawings-only black and white line drawings	Drawings_v1_Cute.pdf	2301330 8bb3ce3918178f043aed96f0862783e2a3519a63	no	20
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3	Power of Attorney	aia0082_Power_of_Attorney.pdf	4657717 4ae058452545941e5214e63fc06384f10cb91c9	no	3
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4	Information Disclosure Statement (IDS) Form (SB08)	SB08a_IDS.pdf	612763 18a8d5d8df635c571474bb0e696ceca79f5e154d	no	6
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5	Oath or Declaration filed	aia0001_Declaration.pdf	3222169 c712dbac5b9cd32511e8d3f5ea1528a8daf4f11c	no	2
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6		Specification_Claims_Abstract_v1_Cute.pdf	367409 38f939c834a994c7f4ae156ec200fc7d1bb08c75b	yes	52
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Specification		1	47	
	Claims		48	51	
	Abstract		52	52	
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7	Fee Worksheet (SB06)	fee-info.pdf	33289	no	2
			693eb26e73a76b4ab613a5f10e6bfb837144e5c		
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