PETITION TO ACCEPT UNINTENTIONALLY DELAYED PAYMENT OF MAINTENANCE FEE IN AN EXPIRED PATENT (37 CFR 1.378(b))

Patent Number	Issue Date	Application Number	Filing Date	Docket Number (if applicable)
10198741	05-Feb-2019	15089098	01-Apr-2016	

CAUTION: Maintenance fee (and surcharge, if any) payment must correctly identify: (1) the patent number and (2) the application number of the actual U.S. application leading to issuance of that patent to ensure the fee(s) is/are associated with the correct patent. 37 CFR 1.366(c) and (d).

Applicants claims the following fee status:

(●) Small Entity

( ) Micro Entity

( ) Regular Undiscounted

Applicants selects the following :

(●) 3 1/2	( ) 7 1/2	( ) 11 1/2

PETITION FEE
The petition fee required by 37 CFR 1.17(m) (Fee Code 1558/2558) must be paid as a condition of accepting unintentionally delayed payment of the maintenance fee.

MAINTENANCE FEE (37 CFR 1.20(e)-(g))
The appropriate maintenance fee must be submitted with this petition.

STATEMENT

The delay in payment of the maintenance fee for this patent was unintentional.

Petitioner is reminded that a delay resulting from a deliberately chosen course of action or a change in circumstance is not an unintentional delay.

Petitioner is further reminded that a person seeking reinstatement of an expired patent should not make a statement that the delay in payment of the maintenance fee was unintentional unless the entire delay was unintentional, including the period from discovery that the maintenance fee was not timely paid until payment of the maintenance fee. For example, a statement that the delay in payment of the maintenance fee was unintentional would not be proper when the patentee becomes aware of an unintentional failure to timely pay the maintenance fee and then intentionally delays filing a petition for reinstatement of the patent under 37 CFR 1.378. See MPEP 2590.

NOTE: Where the petition under 37 CFR 1.378 is filed more than two years after the date the patent expired for nonpayment of the maintenance fee, the United States Patent and Trademark Office requires an additional explanation of the circumstances surrounding the delay that establishes the entire delay was unintentional. This requirement is in addition to the requirement to provide a statement that the entire delay was unintentional. See *Clarification of the Practice for Requiring Additional Information in Petitions Filed in Patent Applications and Patents Based on Unintentional Delay*, 85 FR 12222 (March 2, 2020). See MPEP 711.03(c)(II)(C)-(F) for additional guidance on the information required to establish that the entire delay was unintentional.

PETITIONER(S) REQUEST THAT THE DELAYED PAYMENT OF THE MAINTENANCE FEE BE ACCEPTED AND THE PATENT REINSTATED

THIS PORTION MUST BE COMPLETED BY THE SIGNATORY OR SIGNATORIES

37 CFR 1.378(c) states: "Any petition under this section must be signed in compliance with 37 CFR 1.33(b)."

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

Exhibit
2008
exhibitsticker.com

○	An attorney or agent registered to practice before the Patent and Trademark Office who has been given power of attorney in this application.
◉	An attorney or agent registered to practice before the Patent and Trademark Office
○	A sole patentee
○	A joint patentee; I certify that I am authorized to sign this submission on behalf of all the other patentees as evidenced by the power of attorney in the application
○	A joint patentee; all of whom are signing this e-petition
○	The assignee of record of the entire interest that qualifies as an authorized party under 37 CFR 1.33(b)

Patent Practitioner			
A signature of the applicant or representative is required in accordance with 37 CFR 1.33 and 10.18. Please see 37 CFR 1.4(d) for the form of the signature			
Signature	/Masood Anjom/		
Name	Masood Anjom	Registration Number	62167

Electronic Patent Application Fee Transmittal

Application Number:	15089098
Filing Date:	01-Apr-2016
Title of Invention:	METHOD AND APPARATUS FOR CONTENT PRESENTATION IN ASSOCIATION WITH A COMMUNICATION CONNECTION
First Named Inventor/Applicant Name:	Wendell D. Brown
Filer:	Masood Anjom/Tracy Blakely
Attorney Docket Number:	WB-045

Filed as Small Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
MAINTENANCE FEE DUE AT 3.5 YEARS	2551	1	800	800
PET. DELAY PYMT MAINTAIN PATENT IN FORCE	2558	1	840	840
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
		Total in USD ($)		**1640**

UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450
www.uspto.gov

In re Patent No. 10198741
Issue Date: February 5,2019
Application No. 15089098
Filed: April 1,2016
Attorney Docket No. WB-045

:
:DECISION GRANTING PETITION
:UNDER 37 CFR 1.378(b)
:

This is a decision on the electronic petition, filed February 10,2023 ,under 37 CFR 1.378(b) to accept the unintentionally delayed payment of the 3.5 year maintenance fee for the above-identified patent.

The petition is **GRANTED**.

The maintenance fee is accepted, and the above-identified patent reinstated as of February 10,2023 . This decision also constitutes notice that the fee has been accepted. An electronic copy of the petition and this decision has been created as an entry in the Image File Wrapper. Nevertheless, petitioner should print and retain an independent copy.

Telephone inquiries related to this electronic decision should be directed to the Electronic Business Center at 1-866-217-9197.

Electronic Acknowledgement Receipt	
EFS ID:	47517941
Application Number:	15089098
Patent Number:	10198741
Confirmation Number:	1045
Petition Issued Date:	February 10,2023
Title of Invention:	METHOD AND APPARATUS FOR CONTENT PRESENTATION IN ASSOCIATION WITH A COMMUNICATION CONNECTION
First Named Inventor/Applicant Name:	Wendell D. Brown
Customer Number:	22200
Filer:	Masood Anjom/Tracy Blakely
Filer Authorized By:	Masood Anjom
Attorney Docket Number:	WB-045
Receipt Date:	10-FEB-2023
Filing Date:	01-APR-2016
Time Stamp:	17:43:02
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	EFT
Payment was successfully received in RAM	$1640
RAM confirmation Number	E202320H42587143
Deposit Account	604950
Authorized User	Tracy Blakely
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

37 CFR 1.16 (National application filing, search, and examination fees)

37 CFR 1.17 (Patent application and reexamination processing fees)

37 CFR 1.19 (Document supply fees)

37 CFR 1.20 (Post Issuance fees)

37 CFR 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	ePetition Request Form	petition-request.pdf	47943 6d913485aaf7dd4b2829a5999b5cf84091dc72b5	no	2
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	40373 23cae4bd209fb0d5f1184c7f52442d700e414241	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	88316		

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.

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.
15/089,098	02/05/2019	10198741	WB-045	1045

22200 7590 01/16/2019

PARK, VAUGHAN, FLEMING & DOWLER LLP
2820 FIFTH STREET
DAVIS, CA 95618

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

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

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

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

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

Wendell D. Brown, Henderson, NV;

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.

IR103 (Rev. 10/09)

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
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	15089098
Filing Date	2016-04-01
First Named Inventor	Wendell D. Brown
Art Unit	
Examiner Name	
Attorney Docket Number	WB-045

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	6553115	B1	2003-04-22	Alexander Mashinsky	
	2	8073118		2011-12-06	Sterman, Baruch	
	3	6621899		2003-09-16	Dezonno et al.	
	4	8081751		2001-12-20	Martin et al.	
	5	8234167		2012-07-31	Civanlar et al.	
	6	6493437		2002-12-10	Olshansky, Robert	
Change(s) applied to document, /S.R.K./ 10/15/2018	7	6497531		12-2002 ~~2005-09-20~~	Sipherd et al. ~~Lewis et al~~.	
	8	8086488		2011-12-27	Lui, David Wanqian	

EFS Web 2.1.17

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.T/

Doc Code: IFEE PTOL/85B-EFS

Document Description: Issue Fee Payment (PTO-85B)

Issue Fee Transmittal Form

Application Number	Filing Date	First Named Inventor	Atty. Docket No.	Confirmation No.
15089098	01-Apr-2016	Wendell Brown	WB-045	1045

TITLE OF INVENTION :

METHOD AND APPARATUS FOR CONTENT PRESENTATION IN ASSOCIATION WITH A COMMUNICATION CONNECTION

Entity Status	Application Type	Art Unit	Class - Subclass	EXAMINER
Small	Utility under 35 USC 111(a)	2653	114130	AKELAW TESHALE

Issue Fee Due	Publication Due	Total Fee(s) Due	Date Due	Prev. Paid Fee
$500	$0	$500	02-Jan-2019	$0

1.Change of Correspondence Address and/or Indication Of Fee Address (37 CFR 1.33 & 1.363)

Current Correspondence Address:	Current Indicated Fee Address :
22200 PARK, VAUGHAN, FLEMING & DOWLER LLP 2820 FIFTH STREET DAVIS CA 95618 UNITED STATES 530-759-1660 DAN@PARKLEGAL.COM	
☐ Change of correspondence address requested, system generated AIA/122-EFS form attached	☐ Fee Address indication requested, system generated SB/47-EFS form attached

2.Entity Status

Change in Entity Status

○ Applicant certifying micro entity status; system generated Micro Entity certification form attached. See 37 CFR 1.29.
Note: Absent a valid certification of micro entity status, issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment. If this box is checked, you will be prompted to choose a micro entity status on the gross income basis (37 CFR 1.29(a)) or the institution of higher education basis (37 CFR 1.29(d)), and make the applicable certification online.

◉ Applicant asserting small entity status. See 37 CFR 1.27.
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.

○ Applicant changing to regular undiscounted fee status.
Note: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

Doc Code: IFEE PTOL/85B-EFS

Document Description: Issue Fee Payment (PTO-85B)

3.The Following Fee(s) Are Submitted:

☒ Issue Fee	☐ I authorize USPTO to apply my previously paid issue fee to the current fees due
☐ Publication Fee	☐ The Director is hereby authorized to apply my previously paid issue fee to the current fee due and to charge deficient fees to Deposit Account Number _____
☐ Advance Order - # of copies _____	☒ If **in addition to** the payment of the issue fee amount submitted with this form, there are any discrepancies in any amount(s) due, the Director is authorized to charge any deficiency, or credit any overpayment, to Deposit Account Number 50-1801 . The **issue fee must be submitted** with this form. **If payment of the issue fee does not accompany this form, checking this box and providing a deposit account number will NOT be effective to satisfy full payment of the fee(s) due.**

4.Firm and/or Attorney Names To Be Printed

NOTE: If no name is listed, no name will be printed
For printing on the patent front page, list to be displayed as entered

1. Park, Vaughan, Fleming &
2. Dowler LLP
3.

5.Assignee Name(s) and Residence Data To Be Printed

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.

Name	City	State	Country	Category
Wendell D. Brown	Henderson	NEVADA	united states	individual

6.Signature

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 has filed and has been granted power of attorney in this application. I also certify that this Fee(s) Transmittal form is being transmitted to the USPTO via EFS-WEB on the date indicated below.

Signature	/Daniel E. Vaughan/	**Date**	12-17-2018
Name	Daniel Eric Vaughan	**Registration Number**	42199

WEB IFEE 1.0

Electronic Patent Application Fee Transmittal

Application Number:	15089098
Filing Date:	01-Apr-2016
Title of Invention:	METHOD AND APPARATUS FOR CONTENT PRESENTATION IN ASSOCIATION WITH A COMMUNICATION CONNECTION
First Named Inventor/Applicant Name:	Wendell D. Brown
Filer:	Daniel Eric Vaughan/Jeannie Camara
Attorney Docket Number:	WB-045

Filed as Small Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
UTILITY APPL ISSUE FEE	2501	1	500	500
PUBL. FEE- EARLY, VOLUNTARY, OR NORMAL	1504	1	0	0
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
		Total in USD ($)		**500**

Electronic Acknowledgement Receipt	
EFS ID:	34606162
Application Number:	15089098
International Application Number:	
Confirmation Number:	1045
Title of Invention:	METHOD AND APPARATUS FOR CONTENT PRESENTATION IN ASSOCIATION WITH A COMMUNICATION CONNECTION
First Named Inventor/Applicant Name:	Wendell D. Brown
Customer Number:	22200
Filer:	Daniel Eric Vaughan/Jeannie Camara
Filer Authorized By:	Daniel Eric Vaughan
Attorney Docket Number:	WB-045
Receipt Date:	17-DEC-2018
Filing Date:	01-APR-2016
Time Stamp:	15:48:53
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$500
RAM confirmation Number	121818INTEFSW15485200
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

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)	Web85b.pdf	46315 587e67b5c00a7a2bf9d736010971c3cf8f3d48a1	no	2
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	32140 3a162ff327b650bed05ceb6e73feb92bc10a42bc	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	78455		

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.

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

22200 7590 10/02/2018

PARK, VAUGHAN, FLEMING & DOWLER LLP
2820 FIFTH STREET
DAVIS, CA 95618

EXAMINER
TESHALE, AKELAW

ART UNIT	PAPER NUMBER
2653	

DATE MAILED: 10/02/2018

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/089,098	04/01/2016	Wendell D. Brown	WB-045	1045

TITLE OF INVENTION: METHOD AND APPARATUS FOR CONTENT PRESENTATION IN ASSOCIATION WITH A COMMUNICATION CONNECTION

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	$500	$0	$0	$500	01/02/2019

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

PTOL-85 (Rev. 02/11)

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)

22200 7590 10/02/2018
PARK, VAUGHAN, FLEMING & DOWLER LLP
2820 FIFTH STREET
DAVIS, CA 95618

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.
15/089,098	04/01/2016	Wendell D. Brown	WB-045	1045

TITLE OF INVENTION: METHOD AND APPARATUS FOR CONTENT PRESENTATION IN ASSOCIATION WITH A COMMUNICATION CONNECTION

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	$500	$0	$0	$500	01/02/2019

EXAMINER	ART UNIT	CLASS-SUBCLASS
TESHALE, AKELAW	2653	379-114130

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 _____
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
  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.
- ❑ Applicant asserting small entity status. See 37 CFR 1.27
  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.
- ❑ Applicant changing to regular undiscounted fee 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. _____

PTOL-85 Part B (10-13) Approved for use through 10/31/2013. OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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.
15/089,098	04/01/2016	Wendell D. Brown	WB-045	1045

22200 7590 10/02/2018

PARK, VAUGHAN, FLEMING & DOWLER LLP
2820 FIFTH STREET
DAVIS, CA 95618

EXAMINER	
TESHALE, AKELAW	

ART UNIT	PAPER NUMBER
2653	

DATE MAILED: 10/02/2018

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. 15/089,098	Applicant(s) BROWN, WENDELL D.	
	Examiner AKELAW TESHALE	Art Unit 2653	AIA (First Inventor to File) Status Yes

-- 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 *07/03/2018*.
   ☐ 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 *1-23*. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   Certified copies:

   a) ☐ All b) ☐ Some *c) ☐ None of the:
      1. ☐ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

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

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

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

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

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
5. ☐ Examiner's Amendment/Comment
6. ☒ Examiner's Statement of Reasons for Allowance
7. ☐ Other _____.

/AKELAW TESHALE/
Primary Examiner, Art Unit 2653

DETAILED ACTION

Reasons for Allowance

1. **Claims 1-23** are allowed.

2. The following is an examiner's statement of reasons for allowance: the applicant's argument filed on 07/03/2018 in conjunction with the remarks has been reviewed by the examiner in view of the prior art of record, and it is agreed that the prior art of record does not teach the independent claims 1, 13 and 14.

3. The closest art U.S Patent No. 6,459,788 B1 to Khuc et al. discloses play an Interactive Voice Response (IVR) for a holiday greeting. The exact day could be based on day of the week of day of the year. Caller specific information such as ANI, Dialed Number Identification Service (DNIS), geographic region of the caller, a called number, and caller entered digits could also be used to route 800 number employee benefit calls to agents handling a specific company. Allocation of call center resources based on percentages of call centers resources to calls, load balancing, trends, or maximum/minimum/average call quotas could be used to route calls to underutilized call center resources. The pre-routing processor 402 checks an availability indication if the call center resource is available. The pre-routing processor 402 also checks capability data to match call center resources that are capable to handle the call (column 9, lines 16-39).

However, as to **claim 1**, in combination with other limitations of the claims, the prior art of record fails to disclose or specifically suggested delaying routing of the call

without soliciting action by a first operator of the first communication device; and selecting a second operator of a second communication device to receive the call; separating the call into a signaling channel and a voice channel; and connecting the voice channel of the call to the second communication device after termination of the delay.

As to **claim 13**, in combination with other limitations of the claims, the prior art of record fails to disclose or specifically suggested delaying routing of the call without soliciting action by a first operator of the first communication device; and selecting a second operator of a second communication device to receive the call; separating the call into a signaling channel and a voice channel; and connecting the voice channel of the call to the second communication device after termination of the delay.

As to **claim 14**, in combination with other limitations of the claims, the prior art of record fails to disclose or specifically suggested delay routing of the call without soliciting action by a first operator of the first communication device; and select a second operator of a second communication device to receive the call; separate the call into a signaling channel and a voice channel; and connect the voice channel of the call to the second communication device after termination of the delay..

Claims 2-12 are allowed as depending from claim 1.

Claims 15-23 are allowed as depending from claim 14.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to AKELAW TESHALE whose telephone number is (571)270-5302. The examiner can normally be reached on M-F 8:00am-5:00 Pm ET.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at http://www.uspto.gov/interviewpractice.

If attempts to reach the examiner by telephone are unsuccessful, the examiner’s supervisor, FAN TSANG can be reached on (571)272-7547. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. 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.

/AKELAW TESHALE/
Primary Examiner, Art Unit 2653

Notice of References Cited	Application/Control No. 15/089,098	Applicant(s)/Patent Under Reexamination BROWN, WENDELL D.	
	Examiner AKELAW TESHALE	Art Unit 2653	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-6,459,788 B1	10-2002	Khuc; Minh Duy	H04M3/51	370/352
*	B	US-8,320,878 B2	11-2012	Vakil; Faramak	G06Q20/14	379/114.03
*	C	US-2005/0278207 A1	12-2005	Ronnewinkel, Christopher	G06Q30/02	705/326
*	D	US-5,923,745 A	07-1999	Hurd; Michael D.	H04M3/523	379/220.01
*	E	US-7,450,704 B2	11-2008	Lund; Arnold M.	H04M1/247	379/201.02
*	F	US-6,977,993 B2	12-2005	Starbuck; Bryan T.	H04M1/2478	379/88.21
*	G	US-2009/0086950 A1	04-2009	Vendrow; Vlad	H04M3/493	379/202.01
*	H	US-8,073,118 B2	12-2011	Sterman; Baruch	G06Q30/02	370/352
*	I	US-8,107,600 B1	01-2012	O'Keeffe; Sean P.	G06Q30/02	379/88.22
*	J	US-5,923,745 A	07-1999	Hurd; Michael D.	H04M3/523	379/220.01
*	K	US-7,486,785 B2	02-2009	Flores; Romelia H.	H04M3/38	379/265.01
*	L	US-5,765,108 A	06-1998	Martin; Andrew Louis	H04W8/186	455/422.1
	M	US-				

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

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

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15089098	BROWN, WENDELL D.
	Examiner	**Art Unit**
	AKELAW TESHALE	2653

CPC						
Symbol					**Type**	**Version**
G06Q		30	/	0241	F	2013-01-01
H04M		1	/	56	A	2013-01-01
H04M		1	/	575	A	2013-01-01
H04M		7	/	0036	A	2013-01-01
H04M		15	/	61	I	2013-01-01
H04M		15	/	8083	I	2013-01-01
H04M		15	/	83	A	2013-01-01
H04M		15	/	8351	I	2013-01-01
H04M		15	/	848	A	2013-01-01
H04M		15	/	85	A	2013-01-01
H04W		4	/	12	I	2013-01-01
H04W		4	/	16	I	2013-01-01
H04W		4	/	18	I	2013-01-01
H04W		4	/	20	I	2013-01-01
H04W		68	/	005	I	2013-01-01
H04M		2203	/	351	A	2013-01-01
H04M		3	/	02	A	2013-01-01
H04M		3	/	42042	I	2013-01-01
H04M		3	/	42093	I	2013-01-01
H04M		3	/	436	A	2013-01-01
H04M		7	/	0027	I	2013-01-01
H04M		2201	/	14	A	2013-01-01
H04M		2203	/	352	A	2013-01-01
H04W		4	/	02	A	2013-01-01
H04W		4	/	21	A	2018-02-01

CPC Combination Sets						
Symbol				**Type**	**Set**	**Ranking**	**Version**
		/					
		/					

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	23	
/AKELAW TESHALE/ Primary Examiner.Art Unit 2653	09/25/2018	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15089098	BROWN, WENDELL D.
	Examiner	**Art Unit**
	AKELAW TESHALE	2653

NONE (Assistant Examiner)	(Date)	**Total Claims Allowed:** 23	
/AKELAW TESHALE/ Primary Examiner.Art Unit 2653 (Primary Examiner)	09/25/2018 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 1

U.S. Patent and Trademark Office

Part of Paper No. 20180925A

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15089098	BROWN, WENDELL D.
	Examiner	**Art Unit**
	AKELAW TESHALE	2653

US ORIGINAL CLASSIFICATION		INTERNATIONAL CLASSIFICATION										
CLASS	SUBCLASS	CLAIMED					NON-CLAIMED					
379	114.13	G	0	6	Q	30 / 02 (2012.01.01)						
CROSS REFERENCE(S)												
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)											

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	23	
/AKELAW TESHALE/ Primary Examiner.Art Unit 2653	09/25/2018	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

U.S. Patent and Trademark Office

Part of Paper No. 20180925A

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15089098	BROWN, WENDELL D.
	Examiner	**Art Unit**
	AKELAW TESHALE	2653

☒ 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		17												
	2		18												
	3		19												
	4		20												
	5		21												
	6		22												
	7		23												
	8														
	9														
	10														
	11														
	12														
	13														
	14														
	15														
	16														

NONE (Assistant Examiner)	(Date)	**Total Claims Allowed:** 23	
/AKELAW TESHALE/ Primary Examiner.Art Unit 2653 (Primary Examiner)	09/25/2018 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 1

U.S. Patent and Trademark Office Part of Paper No. 20180925A

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	("20160219142").PN.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2017/03/02 14:17
S2	2	S1 and notification	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 14:20
S3	114	(("BROWN") near3 ("Wendell")).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/02 14:29
S4	1	S3 and (delay$4 same call$4 same (segment$3 or divid$3 or split$4 or separat$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 14:33
S5	95496	(delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4) same call$4 same (segment$3 or divid$3 or split$4 or separat$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 14:37
S6	9519	(delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4) same call$4 same (segment$3 or divid$3 or split$4 or separat$3) same channel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 14:37
S7	265	(delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4) same call$4 same (segment$3 or divid$3 or split$4 or separat$3) same channel same notif$7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 14:39
S8	64	("6493437" | "8086488" | "20070030338" | "6497531" | "6728353" | "6977993" | "7991894" | "8073118" | "8234167" | "8639214" | "6856673" | "6084628" | "20040196868" | "20070140446" | "6553115" | "7120235" | "6301342" | "6621899" | "20080221985" |	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 14:40

		"6271950" | "8107600" | "6947531" | "20070118592" | "8081751" | "20140321629" | "20070162296" | "7450704").PN.				
S9	0	S6 and S8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 14:41
S10	2	S5 and S8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 14:44
S11	30	S8 and (display$4 or alert$4 or notif$7)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 14:46
S12	28	S8 and ((display$4 or alert$4 or notif$7) same call$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 14:47
S13	893	(delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4) same call$4 same (segment$3 or divid$3 or split$4 or separat$3) same channel same ((Answer$4 or connect$4) near5 call$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 15:02
S14	319	S13 and ((display$4 or alert$4 or notif$7) same call$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 15:03
S15	240	S14 and (call$4 with (segment$3 or divid$3 or split$4 or separat$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 15:04
S16	188	S15 and ring$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 15:10
S17	3	"20090086950".pn.	US-PGPUB;	OR	ON	2017/03/02

			USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			15:12
S18	62655	(display$4 or alert$4 or notif$7) same ((answer$4 or connect$4) near5 call$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 15:40
S19	9457	(delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4 or wait$4) same S18	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 15:41
S20	1345	S19 same rout$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 15:42
S21	639	S20 and (call$4 with (segment$3 or divid$3 or split$4 or separat$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 15:42
S22	342	S21 and 379/$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 15:43
S23	529	S20 same (prior44 or before or after)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 15:44
S24	265	S23 and 379/$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 15:44
S25	2	("20160219142").PN.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2017/03/17 15:20
S26	1	("20160219142").PN. and (delay with rout$4)	US-PGPUB; USPAT;	OR	OFF	2017/03/17 16:12

			USOCR; DERWENT			
S27	2	("20160219142").PN. and (delay$4 with rout$4)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2017/03/17 16:12
S28	45471	(delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4) same call$4 same channel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/17 16:27
S29	39	S28 and (prering$4 or (pre adj ring$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/17 16:28
S30	452844	((delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4) near5 (dial$4 or ring$4 or call$4 or rout$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/17 16:32
S31	102	S30 and (prering$4 or (pre adj ring$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/17 16:32
S32	452844	((delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4) near5 (dial$4 or ring$4 or call$4 or rout$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/17 22:44
S33	102	S32 and (prering$4 or (pre adj ring$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/17 22:44
S34	3	"20090086950".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/17 23:00
S35	65	("6493437" | "8086488" | "20070030338" | "6497531" | "6728353" | "6977993" | "7991894" | "8073118" | "8234167" | "8639214" | "6856673" | "6084628" | "20040196868" | "20070140446" |	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	2017/03/17 23:06

		"6553115" | "7120235" | "6301342" | "6621899" | "20080221985" | "6271950" | "8107600" | "6947531" | "20070118592" | "8081751" | "20140321629" | "20070162296" | "7450704").PN.	IBM_TDB			
S36	15	S35 and ((delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4) near5 (dial$4 or ring$4 or call$4 or rout$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/17 23:06
S37	8	S35 and (delay$4 near5 (dial$4 or ring$4 or call$4 or rout$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/17 23:10
S38	424	(advert$6 or solicit$4) same (delay$4 near5 (dial$4 or ring$4 or call$4 or rout$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/17 23:14
S39	2	("20160219142").PN.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2017/05/28 23:57
S40	2006	(delay$4 near5 (dial$4 or ring$4 or rout$4)) near5 call$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/05/29 00:02
S41	126	("20040196868" | "6947531" | "7991894" | "8073118" | "6856673" | "8086488" | "8234167" | "20020077102" | "20040101127" | "20160219150" | "6493437" | "6728353" | "8639214" | "6084628" | "6233325" | "6459788" | "8320878" | "20070206729" | "20070030338" | "7450704" | "6301342" | "20030061141" | "20050278207" | "6701322" | "20110176669" | "20070118592" | "20080221985" | "6621899" | "6977993" | "8081751" | "6271950" | "5943416" | "6178230" | "8243895" | "20160094708" | "20070140446" | "20070162296" | "6553115" | "20140321629" | "20160219142" | "7627108" | "8577000" | "7120235" | "8107600" | "4899358" | "5623537" | "20110191189" | "4782516").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/05/29 00:07
S42	66	("6493437" | "8086488" | "20070030338" | "6497531" | "6728353" | "6977993" | "7991894" |	US-PGPUB; USPAT; USOCR;	OR	ON	2017/05/29 00:07

		"8073118" | "8234167" | "8639214" | "6856673" | "6084628" | "20040196868" | "20070140446" | "6553115" | "7120235" | "6301342" | "6621899" | "20080221985" | "6271950" | "8107600" | "6947531" | "20070118592" | "8081751" | "20140321629" | "20070162296" | "7450704").PN.	FPRS; EPO; JPO; DERWENT; IBM_TDB			
S43	128	S41 or S42	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/05/29 00:07
S44	15	S40 and S43	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/05/29 00:07
S47	2	"8243895".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/05/29 00:13
S48	528620	((delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4 or $4post$3) near5 (dial$4 or ring$4 or call$4 or rout$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/05/29 11:09
S49	97765	((delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4 or $4post$3) near5 (dial$4 or ring$4 or call$4 or rout$4) near5 call$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/05/29 11:10
S50	2	("20160219142").PN.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2017/05/29 11:27
S51	117	(("BROWN") near3 ("Wendell")).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/05/29 11:37
S52	36	S49 and S51	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/05/29 11:41
S53	4	"8335187".pn.	US-PGPUB; USPAT; USOCR;	OR	OFF	2017/05/29 12:15

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S54	2	("20160219142").PN.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2017/05/29 12:30
S55	1	S54 and notif$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/29 12:31
S56	66	("6493437" | "8086488" | "20070030338" | "6497531" | "6728353" | "6977993" | "7991894" | "8073118" | "8234167" | "8639214" | "6856673" | "6084628" | "20040196868" | "20070140446" | "6553115" | "7120235" | "6301342" | "6621899" | "20080221985" | "6271950" | "8107600" | "6947531" | "20070118592" | "8081751" | "20140321629" | "20070162296" | "7450704").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/29 12:33
S57	8	S56 and ((split$4 or divid$4 or separat$4 or segment$5) near5 call$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/29 12:37
S58	4	S48 and S57	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/05/29 12:40
S59	3545	S48 same ((split$4 or divid$4 or separat$4 or segment$5) near5 call$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/29 12:41
S60	97765	((delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4 or $4post$3) near5 (dial$4 or ring$4 or call$4 or rout$4)) near5 call$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/05/29 12:43
S61	3545	S59 same ((split$4 or divid$4 or separat$4 or segment$5) near5 call$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	2017/05/29 12:43

			IBM_TDB			
S62	2570	S59 same ((split$4 or divid$4 or separat$4 or segment$5) near3 call$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/29 12:44
S63	542	(delay$4 near5 rout$4 near5 call)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/29 12:45
S64	668	(delay$4 near5 rout$4 near5 call)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/05/29 12:45
S65	176	S64 and ((split$4 or divid$4 or separat$4 or segment$5) near3 call$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/29 12:45
S66	160	S64 and ((split$4 or divid$4 or separat$4) near3 call$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/29 12:45
S69	2	"8243895".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/06/07 10:28
S70	2	"6459788".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/06/07 10:34
S71	669	(delay$4 near5 rout$4 near5 call)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/06/07 12:06
S72	161	S71 and ((split$4 or divid$4 or separat$4) near3 call$4)	US-PGPUB; USPAT; USOCR; FPRS;	OR	OFF	2017/06/07 12:06

			EPO; JPO; DERWENT; IBM_TDB			
S73	120	S72 AND ((H04M3/42042 OR H04M7/006 OR H04M15/00 OR H04M15/57 OR H04M15/63 OR H04M15/8292 OR H04M2203/1091 OR H04M2215/208 OR H04M3/42314 OR H04M3/42068 OR H04M3/42102 OR H04M7/0075 OR H04M7/009 OR H04M3/5191 OR H04M3/5237 OR H04M2203/551 OR H04M7/0027 OR H04M3/543 OR H04M5/12 OR H04M2203/301 OR H04M2203/303 OR H04M2203/401 OR H04M2203/6009 OR H04M3/42221 OR H04M3/5175 OR H04M2201/14 OR H04M11/04 OR H04M3/5233 OR H04M2201/12 OR H04M3/42195 OR H04M3/432 OR H04M3/5232 OR H04M3/5238 OR H04M3/56 OR H04M11/085 OR H04M15/61 OR H04M15/8083 OR H04M15/83 OR H04M15/8351 OR H04M15/848 OR H04M15/85 OR H04M1/56 OR H04M1/575 OR H04M1/6505 OR H04M1/72541 OR H04M2201/36 OR H04M2207/12 OR H04M3/12 OR H04M3/36 OR H04M3/367 OR H04M3/42323 OR H04M3/493 OR H04M3/51 OR H04M3/5166 OR H04M3/5183 OR H04M3/523 OR H04M3/5236 OR H04M3/54 OR H04M3/58 OR H04M7/00 OR H04M7/0036 OR H04M7/12 OR H04M15/55 OR H04M15/56 OR H04M2203/2016 OR H04M2203/351 OR H04M2203/352 OR H04M2203/652 OR H04M2215/202 OR H04M2215/2046 OR H04M3/02 OR H04M3/42017 OR H04M3/42051 OR H04M3/42059 OR H04M3/42093 OR H04M3/42289 OR H04M3/436 OR H04M3/4365 OR H04M3/5234 OR H04M3/5235 OR H04M3/527 OR H04M3/53316 OR H04M3/53325 OR H04M3/53366 OR H04M7/003 OR H04M7/0051 OR H04M7/1205 OR H04M7/1255 OR H04M7/126).CPC. OR (379/207.02 OR 379/88.19 OR 379/210.01 OR 379/265.02 OR 379/142.07 OR 379/207.03 OR 379/209.01 OR 379/229 OR 379/133 OR 379/142.01 OR 379/207.16 OR 379/217.01 OR 379/219 OR 379/221.02 OR 379/265.01 OR 379/265.05 OR 379/265.07 OR 379/265.12 OR 379/266.03 OR 379/266.08 OR 379/37 OR 379/424 OR 379/428.01 OR 379/88.04 OR 379/88.17 or 379/114.13).CCLS.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/06/07 12:08
S74	129	(("BROWN") near3 ("Wendell")).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/11/27 12:05
S75	97498	(delay$4 or pend$4 or hold$4 or	US-PGPUB;	OR	ON	2017/11/27

		withhold$4 or wait$4 or lag or timelag$4) same call$4 same (segment$3 or divid$3 or split$4 or separat$3)	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			12:07
S76	129	(("BROWN") near3 ("Wendell")).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/11/27 12:54
S77	96917	(delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4) same call$3 same (segment$3 or divid$3 or split$4 or separat$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/27 12:54
S78	1	S76 and S77	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/27 12:55
S80	5373	(delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4) same call$3 same (segment$3 or divid$3 or split$4 or separat$3) same rout$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/27 12:56
S81	1027	S80 AND ((H04M3/42042 OR H04M7/006 OR H04M15/00 OR H04M15/57 OR H04M15/63 OR H04M15/8292 OR H04M2203/1091 OR H04M2215/208 OR H04M3/42314 OR H04M3/42068 OR H04M3/42102 OR H04M7/0075 OR H04M7/009 OR H04M3/5191 OR H04M3/5237 OR H04M2203/551 OR H04M7/0027 OR H04M3/543 OR H04M5/12 OR H04M2203/301 OR H04M2203/303 OR H04M2203/401 OR H04M2203/6009 OR H04M3/42221 OR H04M3/5175 OR H04M2201/14 OR H04M11/04 OR H04M3/5233 OR H04M2201/12 OR H04M3/42195 OR H04M3/432 OR H04M3/5232 OR H04M3/5238 OR H04M3/56 OR H04M11/085 OR H04M15/61 OR H04M15/8083 OR H04M15/83 OR H04M15/8351 OR H04M15/848 OR H04M15/85 OR H04M1/56 OR H04M1/575 OR H04M1/6505 OR H04M1/72541 OR H04M2201/36 OR H04M2207/12 OR H04M3/12 OR H04M3/36 OR H04M3/367 OR H04M3/42323 OR H04M3/493 OR H04M3/51 OR H04M3/5166 OR H04M3/5183 OR H04M3/523 OR H04M3/5236 OR H04M3/54 OR H04M3/58 OR H04M7/00 OR H04M7/0036 OR H04M7/12 OR H04M15/55 OR H04M15/56 OR	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/11/27 12:57

		H04M2203/2016 OR H04M2203/351 OR H04M2203/352 OR H04M2203/652 OR H04M2215/202 OR H04M2215/2046 OR H04M3/02 OR H04M3/42017 OR H04M3/42051 OR H04M3/42059 OR H04M3/42093 OR H04M3/42289 OR H04M3/436 OR H04M3/4365 OR H04M3/5234 OR H04M3/5235 OR H04M3/527 OR H04M3/53316 OR H04M3/53325 OR H04M3/53366 OR H04M7/003 OR H04M7/0051 OR H04M7/1205 OR H04M7/1255 OR H04M7/126).CPC. OR (379/207.02 OR 379/88.19 OR 379/210.01 OR 379/265.02 OR 379/142.07 OR 379/207.03 OR 379/209.01 OR 379/229 OR 379/133 OR 379/142.01 OR 379/207.16 OR 379/217.01 OR 379/219 OR 379/221.02 OR 379/265.01 OR 379/265.05 OR 379/265.07 OR 379/265.12 OR 379/266.03 OR 379/266.08 OR 379/37 OR 379/424 OR 379/428.01 OR 379/88.04 OR 379/88.17 or 379/114.13).CCLS.)				
S82	778	(delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4) same call$3 same (segment$3 or divid$3 or split$4 or separat$3) same rout$4 same channel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/27 13:03
S83	2	"6459788".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/11/27 13:15
S84	2873	(delay$4 with rout$3 with call$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/27 14:24
S85	1333	S84 and (call$3 near3 (control$4 or screen$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/27 14:25
S86	713	S85 and (call$3 with (segment$3 or divid$3 or split$4 or separat$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/27 14:34
S87	118	S86 and (delay$4 with dial$4)	US-PGPUB; USPAT; USOCR;	OR	ON	2017/11/27 14:36

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S88	4	"5923745".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/27 15:16
S89	2	("20170076711").PN.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2017/11/27 16:15
S90	913	(delay$4 near5 rout$3 near5 call$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/27 16:31
S91	31	S90 and (delay$4 near5 dial$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/27 16:31
S92	9	(US-20140321629-$ or US-20090086950-$).did. or (US-7450704-$ or US-6977993-$ or US-6621899-$ or US-8073118-$ or US-8107600-$ or US-8577000-$ or US-5923745-$).did.	US-PGPUB; USPAT	OR	OFF	2017/11/27 16:41
S93	9	S92 and rout$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/11/27 16:41
S94	2	"6459788".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/11/28 09:15
S95	1	"6459788".pn. and calling	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/11/28 15:26
S96	20	("6493437" | "6977993" | "7120235" | "7450704" | "6947531" | "8081751" | "7991894" | "8086488" | "8234167").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	2018/09/02 20:50

			IBM_TDB			
S97	83	("6493437" | "8086488" | "5923745" | "20070030338" | "6497531" | "6728353" | "6977993" | "7991894" | "8073118" | "8234167" | "8639214" | "6856673" | "6084628" | "6459788" | "8320878" | "20040196868" | "20070140446" | "6553115" | "7120235" | "6301342" | "20050278207" | "6621899" | "20080221985" | "6271950" | "8107600" | "6947531" | "20070118592" | "8081751" | "20140321629" | "20070162296" | "7450704").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/09/02 20:50
S98	83	S96 or S97	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/09/02 20:51
S100	2	S98 and (delay$4 near3 (transfer$4 or rout$4) near3 call$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/09/02 20:52
S101	145	(("BROWN") near3 ("Wendell")).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/09/02 21:55
S102	7	((split$4 or divid$4 or separat$4 or segment$5) near5 call$4) same (delay$4 near3 (transfer$4 or rout$4) near3 call$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/09/02 22:21
S103	231	((split$4 or divid$4 or separat$4 or segment$5) near5 call$4) and (delay$4 near3 (transfer$4 or rout$4) near3 call$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/09/02 22:21
S104	3	S101 and S103	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/09/02 22:22
S105	5	(((split$4 or divid$4 or separat$4 or segment$5) near5 call$4) and (delay$4 near3 (transfer$4 or rout$4) near3 call$3)).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/09/02 22:35
S107	146	(("BROWN") near3 ("Wendell")).INV.	US-PGPUB;	OR	OFF	2018/09/24

			USPAT; USOCR			09:26
S108	232	(((split$4 or divid$4 or separat$4 or segment$5) near5 call$4) and (delay$4 near3 (transfer$4 or rout$4) near3 call$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/09/24 09:27
S109	3	S107 and S108	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/09/24 09:31
S110	83	("6493437" | "8086488" | "5923745" | "20070030338" | "6497531" | "6728353" | "6977993" | "7991894" | "8073118" | "8234167" | "8639214" | "6856673" | "6084628" | "6459788" | "8320878" | "20040196868" | "20070140446" | "6553115" | "7120235" | "6301342" | "20050278207" | "6621899" | "20080221985" | "6271950" | "8107600" | "6947531" | "20070118592" | "8081751" | "20140321629" | "20070162296" | "7450704").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/09/24 09:31
S111	1	S108 and S110	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/09/24 09:50
S112	232	(((split$4 or divid$4 or separat$4 or segment$5) near5 call$4) and (delay$4 near3 (transfer$4 or rout$4) near3 call$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/09/25 11:46
S113	83	("6493437" | "8086488" | "5923745" | "20070030338" | "6497531" | "6728353" | "6977993" | "7991894" | "8073118" | "8234167" | "8639214" | "6856673" | "6084628" | "6459788" | "8320878" | "20040196868" | "20070140446" | "6553115" | "7120235" | "6301342" | "20050278207" | "6621899" | "20080221985" | "6271950" | "8107600" | "6947531" | "20070118592" | "8081751" | "20140321629" | "20070162296" | "7450704").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/09/25 11:47
S114	1	S112 and S113	US-PGPUB; USPAT; USOCR; FPRS;	OR	OFF	2018/09/25 11:47

			EPO; JPO; DERWENT; IBM_TDB			
S115	38	S113 AND ((H04M3/42042 OR H04M7/006 OR H04M15/00 OR H04M15/57 OR H04M15/63 OR H04M15/8292 OR H04M2203/1091 OR H04M2215/208 OR H04M3/42314 OR H04M3/42068 OR H04M3/42102 OR H04M7/0075 OR H04M7/009 OR H04M3/5191 OR H04M3/5237 OR H04M2203/551 OR H04M7/0027 OR H04M3/543 OR H04M5/12 OR H04M2203/301 OR H04M2203/303 OR H04M2203/401 OR H04M2203/6009 OR H04M3/42221 OR H04M3/5175 OR H04M2201/14 OR H04M11/04 OR H04M3/5233 OR H04M2201/12 OR H04M3/42195 OR H04M3/432 OR H04M3/5232 OR H04M3/5238 OR H04M3/56 OR H04M11/085 OR H04M15/61 OR H04M15/8083 OR H04M15/83 OR H04M15/8351 OR H04M15/848 OR H04M15/85 OR H04M1/56 OR H04M1/575 OR H04M1/6505 OR H04M1/72541 OR H04M2201/36 OR H04M2207/12 OR H04M3/12 OR H04M3/36 OR H04M3/367 OR H04M3/42323 OR H04M3/493 OR H04M3/51 OR H04M3/5166 OR H04M3/5183 OR H04M3/523 OR H04M3/5236 OR H04M3/54 OR H04M3/58 OR H04M7/00 OR H04M7/0036 OR H04M7/12 OR H04M15/55 OR H04M15/56 OR H04M2203/2016 OR H04M2203/351 OR H04M2203/352 OR H04M2203/652 OR H04M2215/202 OR H04M2215/2046 OR H04M3/02 OR H04M3/42017 OR H04M3/42051 OR H04M3/42059 OR H04M3/42093 OR H04M3/42289 OR H04M3/436 OR H04M3/4365 OR H04M3/5234 OR H04M3/5235 OR H04M3/527 OR H04M3/53316 OR H04M3/53325 OR H04M3/53366 OR H04M7/003 OR H04M7/0051 OR H04M7/1205 OR H04M7/1255 OR H04M7/126).CPC. OR (379/207.02 OR 379/88.19 OR 379/210.01 OR 379/265.02 OR 379/142.07 OR 379/207.03 OR 379/209.01 OR 379/229 OR 379/133 OR 379/142.01 OR 379/207.16 OR 379/217.01 OR 379/219 OR 379/221.02 OR 379/265.01 OR 379/265.05 OR 379/265.07 OR 379/265.12 OR 379/266.03 OR 379/266.08 OR 379/37 OR 379/424 OR 379/428.01 OR 379/88.04 OR 379/88.17 or 379/114.13).CCLS.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/09/25 11:48

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp

L1	1	"6459788".pn.	US-PGPUB; USPAT	OR	ON	2018/09/25 13:09
S106	5	(((split$4 or divid$4 or separat$4 or segment$5) near5 call$4) and (delay$4 near3 (transfer$4 or rout$4) near3 call$3)).clm.	US-PGPUB; USPAT	OR	ON	2018/09/02 23:03
S116	5	(((split$4 or divid$4 or separat$4 or segment$5) near5 call$4) and (delay$4 near3 (transfer$4 or rout$4) near3 call$3)).clm.	US-PGPUB; USPAT	OR	ON	2018/09/25 11:48

9/25/2018 1:54:07 PM
C:\Users\ateshale\Documents\EAST\Workspaces\15089098.wsp

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15089098	BROWN, WENDELL D.
	Examiner	Art Unit
	AKELAW TESHALE	2653

CPC- SEARCHED		
Symbol	Date	Examiner
H04M3/42042,H04M7/006, H04M15/00, H04M15/57, H04M15/63,H04M15/8292, H04M2203/1091, H04M2215/208, H04M3/42314, H04M3/42068, H04M3/42102, H04M7/0075 , H04M7/009, H04M3/5191, H04M3/5237,H04M2203/551,H04M	9/24/2018	AT

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
379	207.02,88.19,210.01,265.02 ,142.07,207.03,209.01,229,133,142.01,207.16,217.01,219 ,221.02,265.01,265.05,265.07,265.12,266.03,266.08,37, 424,428.01 ,88.04,88.17,114.13	9/24/2018	AT

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

SEARCH NOTES		
Search Notes	Date	Examiner
Inventor name search (east)	9/24/2018	
east search (US-PGPUB;USPAT;USOCR;EPO;JPO;DERWENT;IBM_TDB)	9/24/2018	
Please see east search attachment	9/25/2018	

INTERFERENCE SEARCH

US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner
east interference search		9/25/2018	AT

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 NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/089,098	04/01/2016	Wendell D. Brown	WB-045

CONFIRMATION NO. 1045

22200
PARK, VAUGHAN, FLEMING & DOWLER LLP
2820 FIFTH STREET
DAVIS, CA 95618

POA ACCEPTANCE LETTER

OC000000102605593

Date Mailed: 09/27/2018

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 09/24/2018.

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.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000** or **(571) 272-4200** or **1-888-786-0101**.

/ggasgedom/

Application Number	Application/Control No.	Applicant(s)/Patent under Reexamination	
	15/089,098	BROWN, WENDELL D.	

Document Code - DISQ	Internal Document – DO NOT MAIL

TERMINAL DISCLAIMER	☒ APPROVED	☐ DISAPPROVED
Date Filed : 24 September, 2018	This patent is subject to a Terminal Disclaimer	

Approved/Disapproved by:

/PAMELA YOUNG/

Technology Center: PLRC

Telephone: _____

U.S. Patent and Trademark Office

Doc Code: PA..
Document Description: Power of Attorney

PTO/AIA/82B (07-13)
Approved for use through 11/30/2014. OMB 0651-0051
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 displays a valid OMB control number

POWER OF ATTORNEY BY APPLICANT

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

Application Number	Filing Date
15/089,098	01 April 2016

(Note: The boxes above may be left blank if information is provided on form PTO/AIA/82A.)

☑ I hereby appoint the Patent 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 identified above: 22200

OR

☐ I hereby appoint Practitioner(s) named in the attached list (form PTO/AIA/82C) 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 patent application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above. (Note: Complete form PTO/AIA/82C.)

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

☑ The address associated with the above-mentioned Customer Number

OR

☐ The address associated with Customer Number:

OR

Firm or Individual Name	Wendell Brown				
Address	2654 West Horizon Ridge Parkway, #B5-229				
City	Henderson	State	NV	Zip	89052
Country	US				
Telephone		Email			

I am the Applicant (if the Applicant is a juristic entity, list the Applicant name in the box):

☑ Inventor or Joint Inventor (title not required below)

☐ Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)

☐ Assignee or Person to Whom the Inventor is Under an Obligation to Assign (provide signer's title if applicant is a juristic entity)

☐ 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) (provide signer's title if applicant is a juristic entity)

SIGNATURE of Applicant for Patent

The undersigned (whose title is supplied below) is authorized to act on behalf of the applicant (e.g., where the applicant is a juristic entity).

Signature	/Wendell Brown/	Date (Optional)	Feb 8, 2015
Name	Wendell Brown		
Title			

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. If more than one applicant, use multiple forms.

☐ Total of forms are submitted.

This collection of information is required by 37 CFR 1.131, 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.

PTO/SB/26 (07-09)
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 displays a valid OMB control number.

TERMINAL DISCLAIMER TO OBVIATE A DOUBLE PATENTING REJECTION OVER A "PRIOR" PATENT	Docket Number (Optional) WB-045

In re Application of: Wendell D. Brown

Application No.: 15/089,098

Filed: 01 April 2016

For: METHOD AND APPARATUS FOR CONTENT PRESENTATION IN ASSOCIATION WITH A COMMUNICATION CONNECTION

The owner*, Wendell D. Brown, of 100 percent interest 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 **prior patent** No. 8,577,000 as the term of said prior patent is defined in 35 U.S.C. 154 and 173, and 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 as defined in 35 U.S.C. 154 and 173 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.

Check either box 1 or 2 below, if appropriate.

1. ☐ For submissions on behalf of a business/organization (e.g., corporation, partnership, university, government agency, etc.), the undersigned is empowered to act on behalf of the business/organization.

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.

2. ☑ The undersigned is an attorney or agent of record. Reg. No. 42,199

/Daniel E. Vaughan/ — Signature
24 September 2018 — Date

Daniel E. Vaughan — Typed or printed name

(530)759-1660 — Telephone Number

☑ Terminal disclaimer fee under 37 CFR 1.20(d) included.

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

*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.

This collection of information is required by 37 CFR 1.321. 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 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.**

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

Privacy Act Statement

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

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

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

Electronic Patent Application Fee Transmittal	
Application Number:	15089098
Filing Date:	01-Apr-2016
Title of Invention:	METHOD AND APPARATUS FOR CONTENT PRESENTATION IN ASSOCIATION WITH A COMMUNICATION CONNECTION
First Named Inventor/Applicant Name:	Wendell D. Brown
Filer:	A.Richard Park
Attorney Docket Number:	WB-045
Filed as Large 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:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
STATUTORY OR TERMINAL DISCLAIMER	1814	1	160	160
		Total in USD ($)		**160**

Electronic Acknowledgement Receipt	
EFS ID:	33803575
Application Number:	15089098
International Application Number:	
Confirmation Number:	1045
Title of Invention:	METHOD AND APPARATUS FOR CONTENT PRESENTATION IN ASSOCIATION WITH A COMMUNICATION CONNECTION
First Named Inventor/Applicant Name:	Wendell D. Brown
Customer Number:	22200
Filer:	A.Richard Park
Filer Authorized By:	
Attorney Docket Number:	WB-045
Receipt Date:	24-SEP-2018
Filing Date:	01-APR-2016
Time Stamp:	13:14:03
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$160
RAM confirmation Number	092418INTEFSW13152200
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Power of Attorney	WB_P0A.pdf	1728349 6e4d01d7fa8f19ffd8cb8c4177d1f0a2e674a08b	no	1
Warnings:					
Information:					
2	Terminal Disclaimer Filed	sb0026_Terminal_Disclaimer_Prior_Patent.pdf	212740 16fc9b1c76fc0c33727ade8a9498c9db390a58cd	no	2
Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	30470 3e89b29e86ffa02e2bc8f01ed096049ef37eed6d	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	1971559		

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.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor	:	Wendell Brown
Application No.	:	15/089,098
Confirmation No.	:	1045
Filed	:	01 April 2016
Docket	:	WB-045
Title	:	Method and Apparatus for Content Presentation in Association with a Communication Connection
Group/Art Unit	:	2653
Examiner	:	Teshale, Akelaw

APPEAL BRIEF
IN SUPPORT OF APPELLANT'S APPEAL
TO THE PATENT TRIAL AND APPEAL BOARD

Commissioner for Patents
PO Box 1450
Alexandria VA 22313-1450

Sir:

This brief is submitted in support of Appellant's Notice of Appeal.

TABLE OF CONTENTS

I.	**REAL PARTY IN INTEREST**	**1**
II.	**RELATED APPEALS AND INTERFERENCES**	**1**
III.	**SUMMARY OF CLAIMED SUBJECT MATTER**	**1**
IV.	**ARGUMENT**	**2**
V.	**CLAIMS APPENDIX**	**A-1**

I. REAL PARTY IN INTEREST

The real party in interest is the named inventor, Wendell Brown.

II. RELATED APPEALS

Appellant is not aware of any related appeals or interferences.

III. SUMMARY OF CLAIMED SUBJECT MATTER

The invention claimed in the present application relates to techniques for facilitating the presentation of content on a communication device.

Independent claims 1 and 13 recite methods wherein a notification is received regarding a call from a first communication device [Paragraphs 00180, 00275]. In response, the call is specifically and automatically delayed [Figure 9 (element 906); Paragraphs 0043, 0074, 00107, 00128, 00182, 00285; Claim 1] – without requiring action by a first operator of the first device – and a second operator of a second communication device is selected to receive the call [Figure 15 (element 1506); Paragraphs 00266, 00270, 00276; Claim 1]. The call is separated into a signaling channel and a voice channel [Figure 14 ("Voice Pathway" and "Data Pathway" elements); Paragraph 00264; Claim 1; Abstract] and the voice channel is connected to the second device after termination of the delay [Paragraph 00266; Claim 1; Abstract].

Independent claim 14 is directed toward an apparatus that includes one or more processors [Figure 12 (element 1202); Paragraph 00227] and a memory [Figure 12 (element 1204); Paragraph 00227] that stores instructions for performing the method described in the preceding paragraph of this document.

Claims 2 and 15 further recite transmitting to one or both devices pre-ring content that is delivered before the call rings at the second communication device.

Claims 3 and 16 specify that the notification relates to initiation of the call and that the delay action involves transmitting a signal to the first communication device to delay the dialing of the call.

Claims 4 and 17 specify that the delay action involves delaying connection of the voice channel to the second device, at a gateway that receives the notification and the call.

Claims 5 and 18 specify that receiving the notification includes receiving the signaling channel.

Claims 6 and 19 further recite receiving the call at a gateway from a public switched telephone network, wherein the notification regarding the call is received at a call controller from the gateway and the call controller is the entity that selects the second operator. Claims 7 and 20 specify that connecting the call involves signaling the gateway, from the call controller, to direct the voice channel to the second device.

Claims 8 and 21 further recite, after connecting the call to the second device, causing the transmission of in-call content to one or both devices during the call. Claims 9 and 22 specify that the in-call content is displayed simultaneously on both devices, whereas claim 10 specifies that the in-call content comprises interleaved sequences of content items from the first and second devices.

Claims 11 and 23 further recite causing the transmission of post-call content to one or both devices after the call is terminated. Claim 12 specifies that causing transmission of the post-call content involves transmitting a reference to the post-call content.

IV. ARGUMENT

Appellant contends that the Examiner's grounds are insufficient bases for rejecting Appellant's claims, for the reasons stated in this section.

A. Rejections under 35 USC § 102 based on Khuc

Claims 1, 3-7, 11-14, 16-20, and 23 were rejected under 35 USC § 102(a) as being anticipated by U.S. Patent No. 6,459,788 (hereinafter "Khuc").

Page 60 of 327 (IPR2026-00255)
Cisco Systems, Inc. v. Vusura Technology LLC

1. Delaying Routing of the Call without Soliciting Action by a First Operator of the First Communication Device (Claims 1, 13, 14)

Independent claims 1, 13, and 14 recite "delaying routing of the call without soliciting action by a first operator of the first communication device" or some variant thereof. This aspect of the independent claims is described at paragraphs [0043-44, 0061, 0074, 0078, 00128, 00258, 00285], *inter alia*, of the present application, and is depicted in Fig. 9 (element 906).

This aspect was rejected over column 9, lines 16-34 of Khuc, which states:

> The time of the day or the exact day could be used to route nighttime calls to daytime call center resources or play an Interactive Voice Response (IVR) for a holiday greeting. … Caller specific information … could also be used to route 800 number employee benefit calls to agents handling a specific company. Allocation of call center resources … could be used to route calls to underutilized call center resources. … The pre-routing processor 402 also checks capability data to match call center resources that are capable to handle the call.

In the cited portion of Khuc, some criteria for identifying an absolute address are described (e.g., time of day, ANI, called number), allocation of call center resources is touched upon (e.g., to promote load balancing), and capability data are checked (e.g., language, gender). There does not appear to be any discussion of affirmatively or purposefully delaying routing of a call from a communication device.

The examiner also mentioned illustrative actions such a playing a greeting to a caller or checking capability data of call centers to route the call to an agent. However, these actions do not entail affirmatively delaying or pausing call routing. There is no indication in Khuc that either of these activities cause any delay in the routing of a call.

In contrast, the independent claims require receipt of a notification of a call from a first device and, in response to the notification, automatically delaying routing of the call. The delay is affirmative in that it may specifically involve signaling or instructing the first device to delay dialing the call, or purposefully

delaying establishment of the call at a gateway that receives the call signaling (e.g., as described in paragraph [00285] of the application). Thus, any secondary effect that performing some other action (e.g., playing a greeting) may have upon the call establishment process is not equivalent to the express, automatic, and affirmative type of delay recited in Applicant's claims.

2. Connecting the Voice Channel of the Call to the Second Communication Device after Termination of the Delay (Claims 1, 13, 14)

Independent claims 1, 13, and 14 further recite "connecting the voice channel of the call to the second communication device after termination of the delay" that was initiated in the earlier limitation of "delaying routing of the call without soliciting action by a first operator of the first communication device". This aspect of the independent claims is described at paragraphs [0044, 00107, 00129-00132] of the present application, and is depicted in Fig. 9 (element 914).

This aspect was rejected inherently over Khuc.

However, as described above in section IV.A.1, Khuc does not disclose affirmatively delaying the routing of a call, and therefore does not appear to contemplate taking other affirmative action (i.e., connecting the voice channel of the call) after the delay is terminated. For example, the action of matching call center resources as recited in the portion of Khuc quoted above is part of the process of connecting a call, and therefore cannot and would not be interpreted by one of ordinary skill of the art as teaching one to purposefully delay a call and, separately, complete the call after the delay is terminated.

3. Wherein Delaying Routing of the Call comprises Transmitting a Signal to the First Communication Device to Delay Dialing the Call (Claims 3, 16)

Claims 3 and 16 depend from independent claims 1 and 14, respectively, and recite "wherein … delaying routing of the call comprises transmitting a signal to the first communication device to delay dialing the call" or some variant

thereof. This aspect of the independent claims is described at paragraph [0043, 00129, 00285] of the present application and is depicted in Fig. 9 (element 906).

This aspect of these embodiments was rejected over Khuc (column 9, lines 16-34), which is quoted above in section IV.A.1.

The cited portion of Khuc is devoid of any mention of transmitting a signal to a first communication device that is initiating a call to a second communication device. Instead, the cited portion of Khuc discusses activity that may occur at pre-routing processor 402, which is responsible for receiving and processing address queries, retrieving data, identifying an absolute address, and transmitting an address response (column 9, lines 4-11). Thus, the pre-routing processor is not comparable to Applicant's 'first communication device,' and does not appear to transmit to a 'first communication device' a signal that causes the device to delay dialing a call.

Further, there is no need for the Khuc system to transmit a signal to a communication device that is initiating a call to another device, because the Khuc system is directed to a "Call Center Resource Processor" (title) and appears to focus on identifying and using absolute addresses of termination points of calls to route calls within a call center. More specifically, the activity discussed in Khuc does not require the call center processor to signal a communication device that is placing a call, for the purpose of instructing it to delay dialing the call or for any other purpose.

4. Wherein Delaying Routing of the Call comprises Delaying Connection of the Voice Channel of the Call from the Gateway to the Second Communication Device (Claims 4, 17)

Claims 4 and 17 depend from independent claims 1 and 14, respectively, and recite "wherein … delaying routing of the call comprises delaying connection of the voice channel of the call from the gateway to the second communication device" or some variant thereof. This aspect of the independent claims is

described at paragraph [0061, 0074, 00285] of the present application and is depicted in Fig. 9 (element 906).

This aspect of these embodiments was rejected over Khuc (column 9, lines 16-34), which is quoted above in section IV.A.1.

The identified portion of Khuc was cited as disclosing Applicant's delaying of a call, both by transmitting a signal to the first communication device and by delaying connection of the voice channel from a gateway to the second communication device, but does not appear to disclose either operation. Instead, the cited portion of Khuc discloses activity that may occur at pre-routing processor 402, such as playing a greeting or matching call center resources.

As discussed above in section IV.A.1, the activity described in Khuc does not amount to affirmatively or purposefully delaying a call.

5. Causing to be Transmitted, to one or more of the First Communication Device and the Second Communication Device, Post-Call Content Delivered after the Call is Terminated (Claims 11, 23)

Claims 11 and 23 depend from independent claims 1 and 14, respectively, and recite "causing to be transmitted, to one or more of the first communication device and the second communication device, post-call content delivered after the call is terminated" or some variant thereof. This aspect of the independent claims is described at paragraph [0006, 0037, 0074], *inter alia*, of the present application and is depicted in Fig. 9 (element 920).

This aspect of these embodiments was rejected over Khuc (column 9, lines 16-39).

As described above in section IV.A.1, the identified portion of Khuc discloses activity that may occur at pre-routing processor 402, such as playing a greeting or matching call center resources. It also indicates that calls may be routed to agents based on the distance between a caller and the call center resources.

As claimed and as described in the present application, 'post-call' content is content that is delivered after a communication connection is terminated. The cited portion of Khuc cannot be described as disclosing this action because it specifically deals with processing a call up to the point of routing it to an agent. Although the pre-routing processor may perform actions such as balancing loads and checking on the availability of a call center resource, as its name implies, the pre-routing processor appears to only take action up to the point of routing a call, and certainly does not appear to cause content to be delivered to a device after the call is terminated.

B. Rejections under 35 USC § 103 based on Khuc and Ronnewinkel

Claims 8-10 and 21-22 were rejected under 35 USC § 103 as being unpatentable over Khuc and U.S. Patent Publication No. 2005/0278207 (hereinafter "Ronnewinkel").

1. Wherein the In-Call Content Comprises a First Sequence of Content Items from the First Communication Device Interleaved with a Second Sequence of Content Items from the Second Communication Device (Claim 10)

Claim 10 recites the display of in-call content, on either or both the first and second communication devices, that includes a first sequence of content items from the first device interleaved with a second sequence of content items from the second device. This aspect of the independent claims is described at paragraph [00256] of the present application and is depicted in Fig. 9 (element 916).

This aspect was rejected over Figures 1-2 and paragraphs [0015] and [0022-0025] of Ronnewinkel.

Figures 1-2 depict a block diagram of the Ronnewinkel system and a diagram of a script model, respectively. Neither appears to teach or suggest presentation of interleaved content from two communication devices engaged in a call, although they may depict an interleaved sequence of questions and answers.

Paragraph [0015] of Ronnewinkel provides a broad description of the system of Figure 1 and indicates that a customer uses a computing system to interact with an agent regarding a problem, and that the agent uses a script to help search for information that provides a solution to the problem.

Paragraphs [0022-0025] elaborate upon Figure 2 and describe a process by which the agent asks the customer questions posed by a script. The answers to the questions lead to other questions and/or a document that may help resolve the customer's problem.

Although Ronnewinkel describes a sequential process involving questions and answers, the questions and the answers are all provided by the interaction center system 104; none of them originate with computing system 102, which is used by the customer. Ronnewinkel describes a 'self-service' method of operation in which a question or an answer may be displayed on the customer's computing system, but the content that forms the question or answer is always provided by the system. Thus, instead of content from both devices interleaved, Ronnewinkel teaches one that all content should emanate from a single source.

CONCLUSION

For the foregoing reasons, Appellant respectfully requests reversal of the Examiner's rejections as set forth in the final office action, and requests that the Board direct allowance of all pending claims of the application.

Respectfully submitted,

Date: July 1, 2018 By: /Daniel Vaughan/ 42,199
Daniel E. Vaughan (Registration No.)

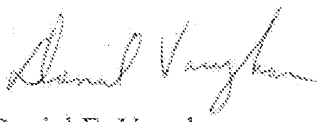
Park, Vaughan, Fleming & Dowler LLP
2820 Fifth Street
Davis, CA 95618
(530) 759-1660: voice
(530) 759-1665: facsimile

AUTHORIZATION TO DEDUCT ANY UNDERPAYMENTS OR CREDIT ANY OVERPAYMENTS TO DEPOSIT ACCOUNT 50-1801

Please deduct any underpayments, credit any overpayments, and charge all required extension of time fees associated with the attached filing to Deposit Account Number 50-1801.

Park, Vaughan, Fleming & Dowler LLP
2820 Fifth Street
Davis, CA 95618-7759
Tel: (530) 759-1660
Fax: (530) 759-1665
Email: dan@parklegal.com

Respectfully submitted,

By: 

Daniel E. Vaughan
Registration No. 42,199

Electronic Acknowledgement Receipt

EFS ID:	33077810
Application Number:	15089098
International Application Number:	
Confirmation Number:	1045
Title of Invention:	METHOD AND APPARATUS FOR CONTENT PRESENTATION IN ASSOCIATION WITH A COMMUNICATION CONNECTION
First Named Inventor/Applicant Name:	Wendell D. Brown
Customer Number:	22200
Filer:	A.Richard Park
Filer Authorized By:	
Attorney Docket Number:	WB-045
Receipt Date:	03-JUL-2018
Filing Date:	01-APR-2016
Time Stamp:	13:12:39
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	Appeal Brief Filed	WB-045_Appeal_Brief_revised.pdf	56639 16185afe548575787ec24416cdef9f6a8b089c68	no	11

Warnings:

Information:					
2	Miscellaneous Incoming Letter	Authorization-deposit-account_DEV.pdf	70241 9359715042fbc4349bec73924e8fc6edd0c39d59	no	1
Warnings:					
Information:					
			Total Files Size (in bytes):	126880	

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.

UNITED STATES PATENT AND TRADEMARK OFFICE

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

22200 e 2018-06-19
PARK, VAUGHAN, FLEMING & DOWLER LLP
2820 FIFTH STREET
DAVIS,CA 95618

Paper No. 20180616

Application No.:	15/089,098	**Date Mailed:**	2018-06-19 ELECTRONIC
First Named Inventor:	Wendell D. Brown	Examiner:	TESHALE, AKELAW
Attorney Docket No.:	WB-045	Art Unit:	2653
Confirmation No.:	1045	Filing Date:	04/01/2016

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

Commissioner for Patents

PTO-90c (Rev.08-06)

Notification of Non-Compliant Appeal Brief (37 CFR 41.37)	**Application No.** 15/089,098	**Applicant(s)** Brown, Wendell D.	
	Examiner TESHALE, AKELAW	**Art Unit** 2653	**AIA Status** Yes

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

The Appeal Brief filed on 04 June 2018 is defective for failure to comply with one or more provisions of 37 CFR 41.37(c).

To avoid dismissal of the appeal, applicant must file an amended brief or other appropriate correction (see MPEP 1205.03) within **ONE MONTH or THIRTY DAYS** from the mailing date of this Notification, whichever is longer. **EXTENSIONS OF THIS TIME PERIOD MAY BE GRANTED UNDER 37 CFR 1.136.**

1. ☐ The brief does not contain the items required under 37 CFR 41.37(c), or the items are not under the proper heading or in the proper order.

2. ☑ (a) The brief does not contain a concise explanation of the subject matter defined in each of the rejected independent claims, referring to the specification in the Record by page and line number or by paragraph number and to the drawings, if any, by reference characters; and/or (b) the brief fails to identify, for each rejected independent claim and for each dependent claim argued separately that contains a means plus function or step plus function recitation under 35 U.S.C. 112, sixth paragraph, the structure, material, or acts described in the specification as corresponding to each claimed function with reference to the specification in the Record by page and line number or paragraph number, and to the drawings, if any, by reference characters (37 CFR 41.37(c)(1)(iii)).

3. ☐ The brief does not contain a correct copy of the appealed claims as an appendix thereto (37 CFR 41.37(c)(1)(v)).

4. ☐ Other (including any explanation in support of the above items):

The Subject of Claimed Subject Matter is non-compliant, as it does not reference all the independent claims to the specification in the record by page and line number or by paragraph number, and to the drawings, if any by reference characters. Reference to the patent application publication does not satisfy the requirement of 37 C.F.R. 41.37C(1) (iii).

An entire new Appeal Brief is not necessary only the corrected section..

LORENDA M HOOD
(571)272-1751

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor	:	Wendell Brown
Application No.	:	15/089,098
Confirmation No.	:	1045
Filed	:	01 April 2016
Docket	:	WB-045
Title	:	Method and Apparatus for Content Presentation in Association with a Communication Connection
Group/Art Unit	:	2653
Examiner	:	Teshale, Akelaw

APPEAL BRIEF
IN SUPPORT OF APPELLANT'S APPEAL
TO THE PATENT TRIAL AND APPEAL BOARD

Commissioner for Patents
PO Box 1450
Alexandria VA 22313-1450

Sir:

This brief is submitted in support of Appellant's Notice of Appeal.

TABLE OF CONTENTS

I.	**REAL PARTY IN INTEREST**	**1**
II.	**RELATED APPEALS AND INTERFERENCES**	**1**
III.	**SUMMARY OF CLAIMED SUBJECT MATTER**	**1**
IV.	**ARGUMENT**	**2**
V.	**CLAIMS APPENDIX**	**A-1**

I. REAL PARTY IN INTEREST

The real party in interest is the named inventor, Wendell Brown.

II. RELATED APPEALS

Appellant is not aware of any related appeals or interferences.

III. SUMMARY OF CLAIMED SUBJECT MATTER

The invention claimed in the present application relates to techniques for facilitating the presentation of content on a communication device.

In independent claims 1, 13, and 14 a notification is received regarding a call from a first communication device. In response, the call is specifically and automatically delayed – without requiring action by a first operator of the first device – and a second operator of a second communication device is selected to receive the call. The call is separated into a signaling channel and a voice channel, and the voice channel is connected to the second device after termination of the delay.

Claims 2 and 15 further recite transmitting to one or both devices pre-ring content that is delivered before the call rings at the second communication device.

Claims 3 and 16 specify that the notification relates to initiation of the call and that the delay action involves transmitting a signal to the first communication device to delay the dialing of the call.

Claims 4 and 17 specify that the delay action involves delaying connection of the voice channel to the second device, at a gateway that receives the notification and the call.

Claims 5 and 18 specify that receiving the notification includes receiving the signaling channel.

Claims 6 and 19 further recite receiving the call at a gateway from a public switched telephone network, wherein the notification regarding the call is received at a call controller from the gateway and the call controller is the entity that selects the second operator. Claims 7 and 20 specify that connecting the call

involves signaling the gateway, from the call controller, to direct the voice channel to the second device.

Claims 8 and 21 further recite, after connecting the call to the second device, causing the transmission of in-call content to one or both devices during the call. Claims 9 and 22 specify that the in-call content is displayed simultaneously on both devices, whereas claim 10 specifies that the in-call content comprises interleaved sequences of content items from the first and second devices.

Claims 11 and 23 further recite causing the transmission of post-call content to one or both devices after the call is terminated. Claim 12 specifies that causing transmission of the post-call content involves transmitting a reference to the post-call content.

IV. ARGUMENT

Appellant contends that the Examiner's grounds are insufficient bases for rejecting Appellant's claims, for the reasons stated in this section.

A. Rejections under 35 USC § 102 based on Khuc

Claims 1, 3-7, 11-14, 16-20, and 23 were rejected under 35 USC § 102(a) as being anticipated by U.S. Patent No. 6,459,788 (hereinafter "Khuc").

1. Delaying Routing of the Call without Soliciting Action by a First Operator of the First Communication Device (Claims 1, 13, 14)

Independent claims 1, 13, and 14 recite "delaying routing of the call without soliciting action by a first operator of the first communication device" or some variant thereof. This aspect of the independent claims is described at paragraphs [0043-44, 0061, 0074, 0078, 00128, 00258, 00285], *inter alia*, of the present application, and is depicted in Fig. 9 (element 906).

This aspect was rejected over column 9, lines 16-34 of Khuc, which states:

Page 76 of 327 (IPR2026-00255)
Cisco Systems, Inc. v. Vusura Technology LLC

> The time of the day or the exact day could be used to route nighttime calls to daytime call center resources or play an Interactive Voice Response (IVR) for a holiday greeting. … Caller specific information … could also be used to route 800 number employee benefit calls to agents handling a specific company. Allocation of call center resources … could be used to route calls to underutilized call center resources. … The pre-routing processor 402 also checks capability data to match call center resources that are capable to handle the call.

In the cited portion of Khuc, some criteria for identifying an absolute address are described (e.g., time of day, ANI, called number), allocation of call center resources is touched upon (e.g., to promote load balancing), and capability data are checked (e.g., language, gender). There does not appear to be any discussion of affirmatively or purposefully delaying routing of a call from a communication device.

The examiner also mentioned illustrative actions such a playing a greeting to a caller or checking capability data of call centers to route the call to an agent. However, these actions do not entail affirmatively delaying or pausing call routing. There is no indication in Khuc that either of these activities cause any delay in the routing of a call.

In contrast, the independent claims require receipt of a notification of a call from a first device and, in response to the notification, automatically delaying routing of the call. The delay is affirmative in that it may specifically involve signaling or instructing the first device to delay dialing the call, or purposefully delaying establishment of the call at a gateway that receives the call signaling (e.g., as described in paragraph [00285] of the application). Thus, any secondary effect that performing some other action (e.g., playing a greeting) may have upon the call establishment process is not equivalent to the express, automatic, and affirmative type of delay recited in Applicant's claims.

2. Connecting the Voice Channel of the Call to the Second Communication Device after Termination of the Delay (Claims 1, 13, 14)

Independent claims 1, 13, and 14 further recite "connecting the voice channel of the call to the second communication device after termination of the delay" that was initiated in the earlier limitation of "delaying routing of the call without soliciting action by a first operator of the first communication device". This aspect of the independent claims is described at paragraphs [0044, 00107, 00129-00132] of the present application, and is depicted in Fig. 9 (element 914).

This aspect was rejected inherently over Khuc.

However, as described above in section IV.A.1, Khuc does not disclose affirmatively delaying the routing of a call, and therefore does not appear to contemplate taking other affirmative action (i.e., connecting the voice channel of the call) after the delay is terminated. For example, the action of matching call center resources as recited in the portion of Khuc quoted above is part of the process of connecting a call, and therefore cannot and would not be interpreted by one of ordinary skill of the art as teaching one to purposefully delay a call and, separately, complete the call after the delay is terminated.

3. Wherein Delaying Routing of the Call comprises Transmitting a Signal to the First Communication Device to Delay Dialing the Call (Claims 3, 16)

Claims 3 and 16 depend from independent claims 1 and 14, respectively, and recite "wherein … delaying routing of the call comprises transmitting a signal to the first communication device to delay dialing the call" or some variant thereof. This aspect of the independent claims is described at paragraph [0043, 00129, 00285] of the present application and is depicted in Fig. 9 (element 906).

This aspect of these embodiments was rejected over Khuc (column 9, lines 16-34), which is quoted above in section IV.A.1.

The cited portion of Khuc is devoid of any mention of transmitting a signal to a first communication device that is initiating a call to a second communication device. Instead, the cited portion of Khuc discusses activity that

may occur at pre-routing processor 402, which is responsible for receiving and processing address queries, retrieving data, identifying an absolute address, and transmitting an address response (column 9, lines 4-11). Thus, the pre-routing processor is not comparable to Applicant's 'first communication device,' and does not appear to transmit to a 'first communication device' a signal that causes the device to delay dialing a call.

Further, there is no need for the Khuc system to transmit a signal to a communication device that is initiating a call to another device, because the Khuc system is directed to a "Call Center Resource Processor" (title) and appears to focus on identifying and using absolute addresses of termination points of calls to route calls within a call center. More specifically, the activity discussed in Khuc does not require the call center processor to signal a communication device that is placing a call, for the purpose of instructing it to delay dialing the call or for any other purpose.

4. Wherein Delaying Routing of the Call comprises Delaying Connection of the Voice Channel of the Call from the Gateway to the Second Communication Device (Claims 4, 17)

Claims 4 and 17 depend from independent claims 1 and 14, respectively, and recite "wherein … delaying routing of the call comprises delaying connection of the voice channel of the call from the gateway to the second communication device" or some variant thereof. This aspect of the independent claims is described at paragraph [0061, 0074, 00285] of the present application and is depicted in Fig. 9 (element 906).

This aspect of these embodiments was rejected over Khuc (column 9, lines 16-34), which is quoted above in section IV.A.1.

The identified portion of Khuc was cited as disclosing Applicant's delaying of a call, both by transmitting a signal to the first communication device and by delaying connection of the voice channel from a gateway to the second communication device, but does not appear to disclose either operation. Instead,

the cited portion of Khuc discloses activity that may occur at pre-routing processor 402, such as playing a greeting or matching call center resources.

As discussed above in section IV.A.1, the activity described in Khuc does not amount to affirmatively or purposefully delaying a call.

5. Causing to be Transmitted, to one or more of the First Communication Device and the Second Communication Device, Post-Call Content Delivered after the Call is Terminated (Claims 11, 23)

Claims 11 and 23 depend from independent claims 1 and 14, respectively, and recite "causing to be transmitted, to one or more of the first communication device and the second communication device, post-call content delivered after the call is terminated" or some variant thereof. This aspect of the independent claims is described at paragraph [0006, 0037, 0074], *inter alia*, of the present application and is depicted in Fig. 9 (element 920).

This aspect of these embodiments was rejected over Khuc (column 9, lines 16-39).

As described above in section IV.A.1, the identified portion of Khuc discloses activity that may occur at pre-routing processor 402, such as playing a greeting or matching call center resources. It also indicates that calls may be routed to agents based on the distance between a caller and the call center resources.

As claimed and as described in the present application, 'post-call' content is content that is delivered after a communication connection is terminated. The cited portion of Khuc cannot be described as disclosing this action because it specifically deals with processing a call up to the point of routing it to an agent. Although the pre-routing processor may perform actions such as balancing loads and checking on the availability of a call center resource, as its name implies, the pre-routing processor appears to only take action up to the point of routing a call, and certainly does not appear to cause content to be delivered to a device after the call is terminated.

B. Rejections under 35 USC § 103 based on Khuc and Ronnewinkel

Claims 8-10 and 21-22 were rejected under 35 USC § 103 as being unpatentable over Khuc and U.S. Patent Publication No. 2005/0278207 (hereinafter "Ronnewinkel").

1. Wherein the In-Call Content Comprises a First Sequence of Content Items from the First Communication Device Interleaved with a Second Sequence of Content Items from the Second Communication Device (Claim 10)

Claim 10 recites the display of in-call content, on either or both the first and second communication devices, that includes a first sequence of content items from the first device interleaved with a second sequence of content items from the second device. This aspect of the independent claims is described at paragraph [00256] of the present application and is depicted in Fig. 9 (element 916).

This aspect was rejected over Figures 1-2 and paragraphs [0015] and [0022-0025] of Ronnewinkel.

Figures 1-2 depict a block diagram of the Ronnewinkel system and a diagram of a script model, respectively. Neither appears to teach or suggest presentation of interleaved content from two communication devices engaged in a call, although they may depict an interleaved sequence of questions and answers.

Paragraph [0015] of Ronnewinkel provides a broad description of the system of Figure 1 and indicates that a customer uses a computing system to interact with an agent regarding a problem, and that the agent uses a script to help search for information that provides a solution to the problem.

Paragraphs [0022-0025] elaborate upon Figure 2 and describe a process by which the agent asks the customer questions posed by a script. The answers to the questions lead to other questions and/or a document that may help resolve the customer's problem.

Although Ronnewinkel describes a sequential process involving questions and answers, the questions and the answers are all provided by the interaction

center system 104; none of them originate with computing system 102, which is used by the customer. Ronnewinkel describes a 'self-service' method of operation in which a question or an answer may be displayed on the customer's computing system, but the content that forms the question or answer is always provided by the system. Thus, instead of content from both devices interleaved, Ronnewinkel teaches one that all content should emanate from a single source.

CONCLUSION

For the foregoing reasons, Appellant respectfully requests reversal of the Examiner's rejections as set forth in the final office action, and requests that the Board direct allowance of all pending claims of the application.

Respectfully submitted,

Date: June 1, 2018 By: /Daniel Vaughan/ 42,199
Daniel E. Vaughan (Registration No.)

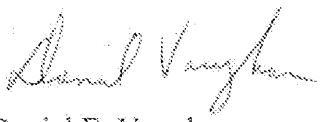
Park, Vaughan, Fleming & Dowler LLP
2820 Fifth Street
Davis, CA 95618
(530) 759-1660: voice
(530) 759-1665: facsimile

AUTHORIZATION TO DEDUCT ANY UNDERPAYMENTS OR CREDIT ANY OVERPAYMENTS TO DEPOSIT ACCOUNT 50-1801

Please deduct any underpayments, credit any overpayments, and charge all required extension of time fees associated with the attached filing to Deposit Account Number 50-1801.

Park, Vaughan, Fleming & Dowler LLP
2820 Fifth Street
Davis, CA 95618-7759
Tel: (530) 759-1660
Fax: (530) 759-1665
Email: dan@parklegal.com

Respectfully submitted,

By: 

Daniel E. Vaughan
Registration No. 42,199

V. CLAIMS APPENDIX

1. (Original) A method of facilitating presentation of content on a communication device, the method comprising:

receiving notification of a call from a first communication device;

in response to the notification:

delaying routing of the call without soliciting action by a first operator of the first communication device; and

selecting a second operator of a second communication device to receive the call;

separating the call into a signaling channel and a voice channel; and

connecting the voice channel of the call to the second communication device after termination of the delay.

2. (Original) The method of claim 1, further comprising, in response to the notification:

causing to be transmitted, to one or more of the first communication device and the second communication device, pre-ring content delivered before the call rings at the second communication device.

3. (Original) The method of claim 1, wherein:

the notification comprises a notification of initiation of the call; and

delaying routing of the call comprises transmitting a signal to the first communication device to delay dialing the call.

4. (Original) The method of claim 1, wherein:

the notification comprises a notification of receipt of the call at a gateway; and

delaying routing of the call comprises delaying connection of the voice channel of the call from the gateway to the second communication device.

5. (Original) The method of claim 1, wherein receiving the notification comprises receiving the signaling channel.

6. (Original) The method of claim 1, further comprising, prior to receiving the notification:

receiving the call, at a gateway, from a public switched telephone network;

wherein receiving the notification comprises receiving the notification at a call controller, from the gateway; and

wherein the call controller selects the second operator.

7. (Original) The method of claim 6, wherein connecting the call comprises:

signaling the gateway, by the call controller, to direct the voice channel of the call to the second communication device.

8. (Original) The method of claim 1, further comprising:

after connecting the call to the second communication device, causing to be transmitted, to one or more of the first communication device and the second communication device, in-call content delivered during the call.

9. (Original) The method of claim 8, wherein the in-call content comprises content displayed simultaneously, during the call, on the first communication device and the second communication device.

10. (Original) The method of claim 8, wherein the in-call content comprises a first sequence of content items from the first communication device interleaved with a second sequence of content items from the second communication device.

11. (Original) The method of claim 1, further comprising:

causing to be transmitted, to one or more of the first communication device and the second communication device, post-call content delivered after the call is terminated.

12. (Original) The method of claim 11, wherein said causing to be transmitted comprises transmitting a reference to the post-call content to the one or more of the first communication device and the second communication device.

13. (Original) A non-transitory computer-readable medium storing instructions that, when executed by a processor, cause the processor to perform a method of facilitating presentation of content on a communication device, the method comprising:

receiving notification of a call from a first communication device;

in response to the notification:

delaying routing of the call without soliciting action by a first operator of the first communication device; and

selecting a second operator of a second communication device to receive the call;

separating the call into a signaling channel and a voice channel; and

connecting the voice channel of the call to the second communication device after termination of the delay.

14. (Original) An apparatus for facilitating presentation of content on a communication device, the apparatus comprising:

one or more processors; and

memory storing instructions that, when executed by the one or more processors, cause the apparatus to:

receive notification of a call from a first communication device;

in response to the notification:

delay routing of the call without soliciting action by a first operator of the first communication device; and

select a second operator of a second communication device to receive the call;

separate the call into a signaling channel and a voice channel; and

connect the voice channel of the call to the second communication device after termination of the delay.

15. (Original) The apparatus of claim 14, wherein the memory further stores instructions that, when executed by the one or more processors, cause the apparatus to, in response to the notification:

cause to be transmitted, to one or more of the first communication device and the second communication device, pre-ring content delivered before the call rings at the second communication device.

16. (Original) The apparatus of claim 14, wherein:

the notification comprises a notification of initiation of the call; and

delaying routing of the call comprises transmitting a signal to the first communication device to delay dialing the call.

17. (Original) The apparatus of claim 14, wherein:

the notification comprises a notification of receipt of the call at a gateway; and

delaying routing of the call comprises delaying connection of the voice channel call from the gateway to the second communication device.

18. (Original) The apparatus of claim 14, wherein receiving the

notification comprises receiving the signaling channel.

19. (Original) The apparatus of claim 14, wherein the memory further stores instructions that, when executed by the one or more processors, cause the apparatus to, prior to receiving the notification:

receive the call, at a gateway, from a public switched telephone network;

wherein receiving the notification comprises receiving the notification at a call controller, from the gateway; and

wherein the call controller selects the second operator.

20. (Original) The apparatus of claim 19, wherein connecting the call comprises:

signaling the gateway, by the call controller, to direct the voice channel of the call to the second communication device.

21. (Original) The apparatus of claim 14, wherein the memory further stores instructions that, when executed by the one or more processors, cause the apparatus to:

after connecting the call to the second communication device, cause to be transmitted, to one or more of the first communication device and the second communication device, in-call content delivered during the call.

22. (Original) The apparatus of claim 21, wherein the in-call content comprises content displayed simultaneously, during the call, on the first communication device and the second communication device.

23. (Original) The apparatus of claim 14, wherein the memory further stores instructions that, when executed by the one or more processors, cause the apparatus to, further comprising:

causing to be transmitted, to one or more of the first communication device and the second communication device, post-call content delivered after the call is terminated.

Electronic Acknowledgement Receipt

EFS ID:	32796336
Application Number:	15089098
International Application Number:	
Confirmation Number:	1045
Title of Invention:	METHOD AND APPARATUS FOR CONTENT PRESENTATION IN ASSOCIATION WITH A COMMUNICATION CONNECTION
First Named Inventor/Applicant Name:	Wendell D. Brown
Customer Number:	22200
Filer:	A.Richard Park
Filer Authorized By:	
Attorney Docket Number:	WB-045
Receipt Date:	04-JUN-2018
Filing Date:	01-APR-2016
Time Stamp:	16:04:29
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	Appeal Brief Filed	WB-045_Appeal_Brief.pdf	55131 381aaed21b4cac84dc3e364ba86a0ff218cc c247	no	11

Warnings:

Information:					
2	Miscellaneous Incoming Letter	Authorization-deposit-account_DEV.pdf	70241 9359715042fbc4349bec73924e8fc6edd0c39d59	no	1
Warnings:					
Information:					
3	Appeal Brief Filed	WB-045_Appeal_Brief_Appendix.pdf	25445 e40e5252a7f5ca5be764f25a7e441a77c3e949cc	no	6
Warnings:					
Information:					
			Total Files Size (in bytes):	150817	

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.

PTO/SB/31 (04-05)
Approved for use through 07/31/2006. 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 displays a valid OMB control number.

NOTICE OF APPEAL FROM THE EXAMINER TO THE BOARD OF PATENT APPEALS AND INTERFERENCES

Docket Number (Optional): WB-045

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)]
on _____

Signature _____

Typed or printed name _____

In re Application of: Wendell D. Brown

Application Number	Filed
15/089,098	01 April 2016

For: METHOD AND APPARATUS FOR CONTENT PRESENTATION IN ASSOCIATION WITH A COMMUNICATION CONNECTION

Art Unit	Examiner
2653	Teshale, Akelaw

Applicant hereby **appeals** to the Board of Patent Appeals and Interferences from the last decision of the examiner.

The fee for this Notice of Appeal is (37 CFR 41.20(b)(1)) $ 800.00

☑ Applicant claims small entity status. See 37 CFR 1.27. Therefore, the fee shown above is reduced by half, and the resulting fee is: $ 400.00

☐ A check in the amount of the fee is enclosed.

☐ Payment by credit card. Form PTO-2038 is attached.

☐ The Director has already been authorized to charge fees in this application to a Deposit Account. I have enclosed a duplicate copy of this sheet.

☑ The Director is hereby authorized to charge any underpayments, or credit any overpayment to Deposit Account No. 50-1801 . I have enclosed a duplicate copy of this sheet.

☐ A petition for an extension of time under 37 CFR 1.136(a) (PTO/SB/22) is enclosed.

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

I am the

☐ applicant/inventor.

☐ assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

☑ attorney or agent of record. Registration number 42,199.

☐ attorney or agent acting under 37 CFR 1.34. Registration number if acting under 37 CFR 1.34. _____

/Daniel E. Vaughan/
Signature

Daniel E. Vaughan
Typed or printed name

530-759-1660
Telephone number

02 April 2018
Date

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☐ *Total of _____ forms are submitted.

This collection of information is required by 37 CFR 41.31. 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, 1.14 and 41.6. 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.**

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

Privacy Act Statement

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

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

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

Electronic Patent Application Fee Transmittal

Application Number:	15089098
Filing Date:	01-Apr-2016
Title of Invention:	METHOD AND APPARATUS FOR CONTENT PRESENTATION IN ASSOCIATION WITH A COMMUNICATION CONNECTION
First Named Inventor/Applicant Name:	Wendell D. Brown
Filer:	A.Richard Park
Attorney Docket Number:	WB-045

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:				
NOTICE OF APPEAL	2401	1	400	400
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Extension - 1 month with $0 paid	2251	1	100	100
Miscellaneous:				
		Total in USD ($)		**500**

Electronic Acknowledgement Receipt	
EFS ID:	32219103
Application Number:	15089098
International Application Number:	
Confirmation Number:	1045
Title of Invention:	METHOD AND APPARATUS FOR CONTENT PRESENTATION IN ASSOCIATION WITH A COMMUNICATION CONNECTION
First Named Inventor/Applicant Name:	Wendell D. Brown
Customer Number:	22200
Filer:	A.Richard Park
Filer Authorized By:	
Attorney Docket Number:	WB-045
Receipt Date:	02-APR-2018
Filing Date:	01-APR-2016
Time Stamp:	13:22:47
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$500
RAM confirmation Number	040218INTEFSW13235200
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Notice of Appeal Filed	WB-045_SB31_Notice_Appeal.pdf	171855 3026a1ff87f675e438ca303ab1a164d876d7e770	no	2
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	32071 63566b523c497010d84ab622149fd71f2579de26	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	203926		

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.

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.
15/089,098	04/01/2016	Wendell D. Brown	WB-045	1045

22200 7590 12/05/2017

PARK, VAUGHAN, FLEMING & DOWLER LLP
2820 FIFTH STREET
DAVIS, CA 95618

EXAMINER
TESHALE, AKELAW

ART UNIT	PAPER NUMBER
2653	

NOTIFICATION DATE	DELIVERY MODE
12/05/2017	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):

DAN@PARKLEGAL.COM
jeannie@parklegal.com
wendy@parklegal.com

Office Action Summary	Application No. 15/089,098	Applicant(s) BROWN, WENDELL D.	
	Examiner AKELAW TESHALE	Art Unit 2653	AIA (First Inventor to File) Status Yes

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

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *09/05/2017*.

☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2a)☒ This action is **FINAL**. 2b)☐ This action is non-final.

3)☐ 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.

4)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

5)☒ Claim(s) *1-23* is/are pending in the application.

5a) Of the above claim(s) _____ is/are withdrawn from consideration.

6)☐ Claim(s) _____ is/are allowed.

7)☒ Claim(s) *1-23* is/are rejected.

8)☐ Claim(s) _____ is/are objected to.

9)☐ Claim(s) _____ are subject to restriction and/or election requirement.

* If any claims have been determined allowable, 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.

Application Papers

10)☐ The specification is objected to by the Examiner.

11)☒ The drawing(s) filed on *04/01/2016* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

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)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date _____.

3) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .

4) ☐ Other: _____.

DETAILED ACTION

Response to Amendment

1. This action is in response to the communication filed on 09/05/2017.

2. Claims **1-23** are pending in this action.

3. This action is final.

Claim Rejections - 35 USC § 102

4. In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any correction of the statutory basis for the rejection will not be considered a new ground of rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (a)(1) the claimed invention was patented, described in a printed publication, or in public use, on sale or otherwise available to the public before the effective filing date of the claimed invention.

6. Claims 1, 3-7, 11-14, 16-20 and 23 are rejected under 35 U.S.C. 102 (a) (1) as being anticipated by U.S Patent No.6, 459,788 B1 to Khuc et al. (hereinafter "Khuc").

Regarding claim 1, Khuc discloses a method of facilitating presentation of content on a communication device, the method comprising:

receiving notification of a call from a first communication device (Fig.3 and column 9, lines 16-20; a phone call is received from telephone 302);

in response to the notification:

delaying routing of the call without soliciting action by a first operator of the first communication device (column 9, lines 16-34; playing a greeting to ca caller, or checking capability data of call centers to route the call to an agent); and

selecting a second operator of a second communication device to receive the call (column 9, lines 34-39; pre-routing processor route calls to agents based on the distance between the caller and the call center resource);

separating the call into a signaling channel and a voice channel (column 12, line 63 through column 13, line 12; an ATM switch 500 which separates an incoming call into data and voice); and connecting the voice channel of the call to the second communication device after termination of the delay (inherently, when an agent answering an incoming call).

Regarding claim 3, Khuc discloses the method of claim 1, wherein:

the notification comprises a notification of initiation of the call; and delaying routing of the call comprises transmitting a signal to the first communication device to delay dialing the call (column 9, lines 16-34).

Regarding claim 4, Khuc discloses the method of claim 1, wherein:

the notification comprises a notification of receipt of the call at a gateway; and delaying routing of the call comprises delaying connection of the voice channel of the call from the gateway to the second communication device (column 9, lines 16-34).

Regarding claim 5, Khuc discloses the method of claim 1, wherein receiving the notification comprises receiving the signaling channel (column 9, lines 16-34).

Regarding claim 6, Khuc discloses the method of claim 1, further comprising, and prior to receiving the notification:

receiving the call, at a gateway, from a public switched telephone network;

wherein receiving the notification comprises receiving the notification at a call controller, from the gateway; and wherein the call controller selects the second operator (column 12, line 63 through column 13, line 12).

Regarding claim 7, Khuc discloses the method of claim 6, wherein connecting the call comprises:

signaling the gateway, by the call controller, to direct the voice channel of the call to the second communication device (column 9, lines 16-39).

Regarding claim 11, Khuc discloses the method of claim 1, further comprising:

causing to be transmitted, to one or more of the first communication device and the second communication device, post-call content delivered after the call is terminated (column 9, lines 16-39).

Regarding claim 12, Khuc discloses the method of claim 11, wherein said causing to be transmitted comprises transmitting a reference to the post-call content to the one or more of the first communication device and the second communication device (column 9, lines 16-39)..

Regarding claim 13, please see claim 1 rejections above.

Regarding claim 14, please see claim 1 rejections above.

Regarding claim 16, Khuc discloses the apparatus of claim 14, wherein:

the notification comprises a notification of initiation of the call; and

delaying routing of the call comprises transmitting a signal to the first communication device to delay dialing the call (column 9, lines 16-34).

Regarding claim 17, Khuc discloses the apparatus of claim 14, wherein:

the notification comprises a notification of receipt of the call at a gateway; and delaying routing of the call comprises delaying connection of the voice channel call from the gateway to the second communication device (column 9, lines 16-34).

Regarding claim 18, Khuc discloses the apparatus of claim 14, wherein receiving the notification comprises receiving the signalling channel (column 9, lines 16-34).

Regarding claim 19, Khuc discloses the apparatus of claim 14, wherein the memory further stores instructions that, when executed by the one or more processors, cause the apparatus to, prior to receiving the notification:

receive the call, at a gateway, from a public switched telephone network;

wherein receiving the notification comprises receiving the notification at a call controller, from the gateway; and wherein the call controller selects the second operator (column 12, line 63 through column 13, line 12).

Regarding claim 20, Khuc discloses the apparatus of claim 19, wherein connecting the call comprises:

signaling the gateway, by the call controller, to direct the voice channel of the call to the second communication device (column 9, lines 16-39).

Regarding claim 23, Khuc discloses the apparatus of claim 14, wherein the memory further stores instructions that, when executed by the one or more processors, cause the apparatus to, further comprising:

causing to be transmitted, to one or more of the first communication device and the second communication device, post-call content delivered after the call is terminated (column 9, lines 16-39).

Claim Rejections - 35 USC § 103

7. In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any correction of the statutory basis for the rejection will not be considered a new ground of rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

8. The following is a quotation of 35 U.S.C. 103 which forms the basis for all obviousness rejections set forth in this Office action:

> A patent for a claimed invention may not be obtained, notwithstanding that the claimed invention is not identically disclosed as set forth in section 102, if the differences between the claimed invention and the prior art are such that the claimed invention as a whole would have been obvious before the effective filing date of the claimed invention to a person having ordinary skill in the art to which the claimed invention pertains. Patentability shall not be negated by the manner in which the invention was made.

9. Claims 2 and 15 are rejected under 35 U.S.C. 103 as being unpatentable over U.S Patent No.6, 459,788 B1 to Khuc et al. (hereinafter “Khuc”) in view of U.S Patent No. 8,320,878 B2 to Vakil et al. (hereinafter ”Vakil”)

Regarding claim 2, Khuc does not teach the method of claim 1, further comprising, in response to the notification:

causing to be transmitted, to one or more of the first communication device and the second communication device, pre-ring content delivered before the call rings at the second communication device.

However, in the same field of endeavor, Vakil discloses causing to be transmitted, to one or more of the first communication device and the second communication device, pre-ring content delivered before the call rings at the second communication device (column 7, lines 16-33; a transmitting advertisement of a caller device before ring at a callee device).

At the time of the effective filing date of the invention, it would have been obvious to a person of ordinary skilled in the art to modify Khuc's teaching with a feature of transmitted, to one or more of the first communication device and the second communication device, pre-ring content delivered before the call rings at the second communication device as taught by Vakil so that the service providers could subsidize their services to individuals by carrying advertisement for businesses.

Regarding claim 15, Khuc does not teach the apparatus of claim 14, wherein the memory further stores instructions that, when executed by the one or more processors, cause the apparatus to, in response to the notification:

cause to be transmitted, to one or more of the first communication device and the second communication device, pre-ring content delivered before the call rings at the second communication device.

However, in the same field of endeavor, Vakil discloses cause to be transmitted, to one or more of the first communication device and the second communication device,

pre-ring content delivered before the call rings at the second communication device (column 7, lines 16-33; a transmitting advertisement of a caller device before ring at a callee device).

At the time of the effective filing date of the invention, it would have been obvious to a person of ordinary skilled in the art to modify Khuc's teaching with a feature of cause to be transmitted, to one or more of the first communication device and the second communication device, pre-ring content delivered before the call rings at the second communication device as taught by Vakil so that the service providers could subsidize their services to individuals by carrying advertisement for businesses.

10. Claims 8-10 and 21-22 are rejected under 35 U.S.C. 103 as being unpatentable over U.S Patent No.6, 459,788 B1 to Khuc et al. (hereinafter "Khuc") in view of U.S Pub No 2005/0278207 to Ronnewinkel.

Regarding claim 8, Khuc does not teach the method of claim 1, further comprising:

after connecting the call to the second communication device, causing to

be transmitted, to one or more of the first communication device and the second communication device, in-call content delivered during the call.

In the same field of endeavor, Ronnewinkel teaches after connecting the call to the second communication device, causing to be transmitted, to one or more of the first communication device and the second communication device, in-call content delivered during the call (Figures. 1-2 and paragraphs [0015],[0022]-[0025]).

At the time of the effective filing date of the invention, it would have been obvious to a person of ordinary skilled in the art to modify Khuc's teaching with a feature of after connecting the call to the second communication device, causing to be transmitted, to one or more of the first communication device and the second communication device, in-call content delivered during the call as taught by Ronnewinkel by combing known prior art elements according to known methods to yield predictable results.

Regarding claim 9, Khuc does not teach the method of claim 8, wherein the in-call content comprises content displayed simultaneously, during the call, on the first communication device and the second communication device.

In the same field of endeavor, Ronnewinkel teaches in-call content comprises content displayed simultaneously, during the call, on the first communication device and the second communication device (Figures. 1-2 and paragraphs [0015],[0022]-[0025]).

At the time of the effective filing date of the invention, it would have been obvious to a person of ordinary skilled in the art to modify Khuc's teaching with a feature of in-call content comprises content displayed simultaneously, during the call, on the first communication device and the second communication device as taught by Ronnewinkel by combing known prior art elements according to known methods to yield predictable results.

Regarding claim 10, Khuc does not teach the method of claim 8, wherein the in-call content comprises a first sequence of content items from the first communication device interleaved with a second sequence of content items from the second communication device.

In the same field of endeavor, Ronnewinkel teaches in-call content comprises a first sequence of content items from the first communication device interleaved with a second sequence of content items from the second communication device (Figures. 1-2 and paragraphs [0015],[0022]-[0025]).

At the time of the effective filing date of the invention, it would have been obvious to a person of ordinary skilled in the art to modify Khuc's teaching with a feature of in-call content comprises a first sequence of content items from the first communication device interleaved with a second sequence of content items from the second communication device as taught by Ronnewinkel by combing known prior art elements according to known methods to yield predictable results.

Regarding claim 21, Khuc does not teach the apparatus of claim 14, wherein the memory further stores instructions that, when executed by the one or more processors, cause the apparatus to:

after connecting the call to the second communication device, cause to be

transmitted, to one or more of the first communication device and the second communication device, in-call content delivered during the call.

after connecting the call to the second communication device, causing to

be transmitted, to one or more of the first communication device and the second communication device, in-call content delivered during the call.

In the same field of endeavor, Ronnewinkel teaches after connecting the call to the second communication device, causing to be transmitted, to one or more of the first communication device and the second communication device, in-call content delivered during the call (Figures. 1-2 and paragraphs [0015],[0022]-[0025]).

At the time of the effective filing date of the invention, it would have been obvious to a person of ordinary skilled in the art to modify Khuc's teaching with a feature of after connecting the call to the second communication device, causing to be transmitted, to one or more of the first communication device and the second communication device, in-call content delivered during the call as taught by Ronnewinkel by combing known prior art elements according to known methods to yield predictable results.

Regarding claim 22, Khuc does not teach the apparatus of claim 21, wherein the in-call content comprises content displayed simultaneously, during the call, on the first communication device and the second communication device.

In the same field of endeavor, Ronnewinkel teaches in-call content comprises content displayed simultaneously, during the call, on the first communication device and the second communication device (Figures. 1-2 and paragraphs [0015],[0022]-[0025]).

At the time of the effective filing date of the invention, it would have been obvious to a person of ordinary skilled in the art to modify Khuc's teaching with a feature of in-

call content comprises content displayed simultaneously, during the call, on the first communication device and the second communication device as taught by Ronnewinkel by combing known prior art elements according to known methods to yield predictable results.

Response to Arguments

11. Applicant's arguments filed 09/05/2017 have been fully considered but they are not persuasive. With regarding independent claims 1, 13 and 14, Applicant argues on page 4, Khuc fails to disclose "delaying routing the call without soliciting action by a first operator of the first communication device". Examiner disagrees.

Khuc discloses the pre-routing processor 402 can identify the absolute address based on numerous criteria from the call and the call center resource. The invention is not limited to the following examples of criteria used in identifying the absolute address. The time of the day or the exact day could be used to route nighttime calls to daytime call center resources or play an Interactive Voice Response (IVR) for a holiday greeting (column 9, lines 16-34). In other words, a pre-routing processor delays routing calls directly (because the pre-routing processor 402 checks an availability indication if the call center resource is available. Also, the pre-routing processor 402 also checks capability data to match call center resources that are capable to handle the call) to a destination party without any soliciting action by a pre-route processor for a calling party.

Regarding independent claims 3 and 16, Applicant argues Khuc does not disclose "wherein…delaying of the call comprises transmitting a signal to the first

communication device to delay dialing the call". Khuc discloses the pre-routing processor 402 can identify the absolute address based on numerous criteria from the call and the call center resource. The invention is not limited to the following examples of criteria used in identifying the absolute address. The time of the day or the exact day could be used to route nighttime calls to daytime call center resources or play an Interactive Voice Response (IVR) for a holiday greeting (column 9, lines 16-34). In addition, call center resource processor processes the address query to identify the absolute address. After identifying the absolute address, the call center resource processor generates an address response with the absolute address for the call center resource. Therefore, the rejection is maintained.

Conclusion

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

- U.S Patent No. 5,923,745 to Hurd discloses when call center is busy, routing of a call can be delay in some cases until such call center is available (column 7, lines 1-20).

13. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not

mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to AKELAW TESHALE whose telephone number is (571)270-5302. The examiner can normally be reached on M-F 8:00am-5:00 Pm ET.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at http://www.uspto.gov/interviewpractice.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, FAN TSANG can be reached on (571)272-7547. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. 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.

/AKELAW TESHALE/
Primary Examiner, Art Unit 2653

Notice of References Cited	Application/Control No. 15/089,098	Applicant(s)/Patent Under Reexamination BROWN, WENDELL D.	
	Examiner AKELAW TESHALE	Art Unit 2653	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-6,459,788 B1	10-2002	Khuc; Minh Duy	H04M3/51	370/352
*	B	US-8,320,878 B2	11-2012	Vakil; Faramak	G06Q20/14	379/114.03
*	C	US-2005/0278207 A1	12-2005	Ronnewinkel, Christopher	G06Q30/02	705/326
*	D	US-5,923,745 A	07-1999	Hurd; Michael D.	H04M3/523	379/220.01
	E	US-				
	F	US-				
	G	US-				
	H	US-				
	I	US-				
	J	US-				
	K	US-				
	L	US-				
	M	US-				

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

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

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	("20160219142").PN.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2017/03/02 14:17
S2	2	S1 and notification	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 14:20
S3	114	(("BROWN") near3 ("Wendell")).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/02 14:29
S4	1	S3 and (delay$4 same call$4 same (segment$3 or divid$3 or split$4 or separat$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 14:33
S5	95496	(delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4) same call$4 same (segment$3 or divid$3 or split$4 or separat$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 14:37
S6	9519	(delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4) same call$4 same (segment$3 or divid$3 or split$4 or separat$3) same channel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 14:37
S7	265	(delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4) same call$4 same (segment$3 or divid$3 or split$4 or separat$3) same channel same notif$7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 14:39
S8	64	("6493437" | "8086488" | "20070030338" | "6497531" | "6728353" | "6977993" | "7991894" | "8073118" | "8234167" | "8639214" | "6856673" | "6084628" | "20040196868" | "20070140446" | "6553115" | "7120235" | "6301342" | "6621899" | "20080221985" | "6271950" | "8107600"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 14:40

		| "6947531" | "20070118592" | "8081751" | "20140321629" | "20070162296" | "7450704").PN.				
S9	0	S6 and S8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 14:41
S10	2	S5 and S8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 14:44
S11	30	S8 and (display$4 or alert$4 or notif$7)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 14:46
S12	28	S8 and ((display$4 or alert$4 or notif$7) same call$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 14:47
S13	893	(delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4) same call$4 same (segment$3 or divid$3 or split$4 or separat$3) same channel same ((Answer$4 or connect$4) near5 call$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 15:02
S14	319	S13 and ((display$4 or alert$4 or notif$7) same call$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 15:03
S15	240	S14 and (call$4 with (segment$3 or divid$3 or split$4 or separat$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 15:04
S16	188	S15 and ring$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 15:10
S17	3	"20090086950".pn.	US-PGPUB; USPAT;	OR	ON	2017/03/02 15:12

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S18	62655	(display$4 or alert$4 or notif$7) same ((answer$4 or connect$4) near5 call$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 15:40
S19	9457	(delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4 or wait$4) same S18	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 15:41
S20	1345	S19 same rout$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 15:42
S21	639	S20 and (call$4 with (segment$3 or divid$3 or split$4 or separat$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 15:42
S22	342	S21 and 379/$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 15:43
S23	529	S20 same (prior44 or before or after)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 15:44
S24	265	S23 and 379/$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 15:44
S25	2	("20160219142").PN.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2017/03/17 15:20
S26	1	("20160219142").PN. and (delay with rout$4)	US-PGPUB; USPAT; USOCR;	OR	OFF	2017/03/17 16:12

			DERWENT			
S27	2	("20160219142").PN. and (delay$4 with rout$4)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2017/03/17 16:12
S28	45471	(delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4) same call$4 same channel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/17 16:27
S29	39	S28 and (prering$4 or (pre adj ring$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/17 16:28
S30	452844	((delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4) near5 (dial$4 or ring$4 or call$4 or rout$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/17 16:32
S31	102	S30 and (prering$4 or (pre adj ring$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/17 16:32
S32	452844	((delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4) near5 (dial$4 or ring$4 or call$4 or rout$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/17 22:44
S33	102	S32 and (prering$4 or (pre adj ring$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/17 22:44
S34	3	"20090086950".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/17 23:00
S35	65	("6493437" | "8086488" | "20070030338" | "6497531" | "6728353" | "6977993" | "7991894" | "8073118" | "8234167" | "8639214" | "6856673" | "6084628" | "20040196868" | "20070140446" | "6553115" | "7120235" | "6301342" | "6621899" |	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/17 23:06

		"20080221985" | "6271950" | "8107600" | "6947531" | "20070118592" | "8081751" | "20140321629" | "20070162296" | "7450704").PN.				
S36	15	S35 and ((delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4) near5 (dial$4 or ring$4 or call$4 or rout$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/17 23:06
S37	8	S35 and (delay$4 near5 (dial$4 or ring$4 or call$4 or rout$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/17 23:10
S38	424	(advert$6 or solicit$4) same (delay$4 near5 (dial$4 or ring$4 or call$4 or rout$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/17 23:14
S39	2	("20160219142").PN.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2017/05/28 23:57
S40	2006	(delay$4 near5 (dial$4 or ring$4 or rout$4)) near5 call$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/05/29 00:02
S41	126	("20040196868" | "6947531" | "7991894" | "8073118" | "6856673" | "8086488" | "8234167" | "20020077102" | "20040101127" | "20160219150" | "6493437" | "6728353" | "8639214" | "6084628" | "6233325" | "6459788" | "8320878" | "20070206729" | "20070030338" | "7450704" | "6301342" | "20030061141" | "20050278207" | "6701322" | "20110176669" | "20070118592" | "20080221985" | "6621899" | "6977993" | "8081751" | "6271950" | "5943416" | "6178230" | "8243895" | "20160094708" | "20070140446" | "20070162296" | "6553115" | "20140321629" | "20160219142" | "7627108" | "8577000" | "7120235" | "8107600" | "4899358" | "5623537" | "20110191189" | "4782516").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/05/29 00:07
S42	66	("6493437" | "8086488" | "20070030338" | "6497531" | "6728353" | "6977993" | "7991894" | "8073118" | "8234167" | "8639214" | "6856673" | "6084628" | "20040196868" | "20070140446" | "6553115" | "7120235"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	2017/05/29 00:07

		| "6301342" | "6621899" | "20080221985" | "6271950" | "8107600" | "6947531" | "20070118592" | "8081751" | "20140321629" | "20070162296" | "7450704").PN.	IBM_TDB			
S43	128	S41 or S42	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/05/29 00:07
S44	15	S40 and S43	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/05/29 00:07
S47	2	"8243895".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/05/29 00:13
S48	528620	((delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4 or $4post$3) near5 (dial$4 or ring$4 or call$4 or rout$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/05/29 11:09
S49	97765	((delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4 or $4post$3) near5 (dial$4 or ring$4 or call$4 or rout$4) near5 call$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/05/29 11:10
S50	2	("20160219142").PN.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2017/05/29 11:27
S51	117	(("BROWN") near3 ("Wendell")).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/05/29 11:37
S52	36	S49 and S51	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/05/29 11:41
S53	4	"8335187".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/29 12:15

S54	2	("20160219142").PN.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2017/05/29 12:30
S55	1	S54 and notif$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/29 12:31
S56	66	("6493437" | "8086488" | "20070030338" | "6497531" | "6728353" | "6977993" | "7991894" | "8073118" | "8234167" | "8639214" | "6856673" | "6084628" | "20040196868" | "20070140446" | "6553115" | "7120235" | "6301342" | "6621899" | "20080221985" | "6271950" | "8107600" | "6947531" | "20070118592" | "8081751" | "20140321629" | "20070162296" | "7450704").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/29 12:33
S57	8	S56 and ((split$4 or divid$4 or separat$4 or segment$5) near5 call$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/29 12:37
S58	4	S48 and S57	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/05/29 12:40
S59	3545	S48 same ((split$4 or divid$4 or separat$4 or segment$5) near5 call$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/29 12:41
S60	97765	((delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4 or $4post$3) near5 (dial$4 or ring$4 or call$4 or rout$4)) near5 call$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/05/29 12:43
S61	3545	S59 same ((split$4 or divid$4 or separat$4 or segment$5) near5 call$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/29 12:43
S62	2570	S59 same ((split$4 or divid$4 or separat$4 or segment$5) near3 call$4)	US-PGPUB; USPAT; USOCR; FPRS;	OR	OFF	2017/05/29 12:44

			EPO; JPO; DERWENT; IBM_TDB			
S63	542	(delay$4 near5 rout$4 near5 call)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/29 12:45
S64	668	(delay$4 near5 rout$4 near5 call)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/05/29 12:45
S65	176	S64 and ((split$4 or divid$4 or separat$4 or segment$5) near3 call$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/29 12:45
S66	160	S64 and ((split$4 or divid$4 or separat$4) near3 call$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/29 12:45
S69	2	"8243895".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/06/07 10:28
S70	2	"6459788".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/06/07 10:34
S71	669	(delay$4 near5 rout$4 near5 call)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/06/07 12:06
S72	161	S71 and ((split$4 or divid$4 or separat$4) near3 call$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/06/07 12:06
S73	120	S72 AND ((H04M3/42042 OR H04M7/006 OR H04M15/00 OR	US-PGPUB; USPAT;	OR	OFF	2017/06/07 12:08

		H04M15/57 OR H04M15/63 OR H04M15/8292 OR H04M2203/1091 OR H04M2215/208 OR H04M3/42314 OR H04M3/42068 OR H04M3/42102 OR H04M7/0075 OR H04M7/009 OR H04M3/5191 OR H04M3/5237 OR H04M2203/551 OR H04M7/0027 OR H04M3/543 OR H04M5/12 OR H04M2203/301 OR H04M2203/303 OR H04M2203/401 OR H04M2203/6009 OR H04M3/42221 OR H04M3/5175 OR H04M2201/14 OR H04M11/04 OR H04M3/5233 OR H04M2201/12 OR H04M3/42195 OR H04M3/432 OR H04M3/5232 OR H04M3/5238 OR H04M3/56 OR H04M11/085 OR H04M15/61 OR H04M15/8083 OR H04M15/83 OR H04M15/8351 OR H04M15/848 OR H04M15/85 OR H04M1/56 OR H04M1/575 OR H04M1/6505 OR H04M1/72541 OR H04M2201/36 OR H04M2207/12 OR H04M3/12 OR H04M3/36 OR H04M3/367 OR H04M3/42323 OR H04M3/493 OR H04M3/51 OR H04M3/5166 OR H04M3/5183 OR H04M3/523 OR H04M3/5236 OR H04M3/54 OR H04M3/58 OR H04M7/00 OR H04M7/0036 OR H04M7/12 OR H04M15/55 OR H04M15/56 OR H04M2203/2016 OR H04M2203/351 OR H04M2203/352 OR H04M2203/652 OR H04M2215/202 OR H04M2215/2046 OR H04M3/02 OR H04M3/42017 OR H04M3/42051 OR H04M3/42059 OR H04M3/42093 OR H04M3/42289 OR H04M3/436 OR H04M3/4365 OR H04M3/5234 OR H04M3/5235 OR H04M3/527 OR H04M3/53316 OR H04M3/53325 OR H04M3/53366 OR H04M7/003 OR H04M7/0051 OR H04M7/1205 OR H04M7/1255 OR H04M7/126).CPC. OR (379/207.02 OR 379/88.19 OR 379/210.01 OR 379/265.02 OR 379/142.07 OR 379/207.03 OR 379/209.01 OR 379/229 OR 379/133 OR 379/142.01 OR 379/207.16 OR 379/217.01 OR 379/219 OR 379/221.02 OR 379/265.01 OR 379/265.05 OR 379/265.07 OR 379/265.12 OR 379/266.03 OR 379/266.08 OR 379/37 OR 379/424 OR 379/428.01 OR 379/88.04 OR 379/88.17 or 379/114.13).CCLS.)	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S74	129	(("BROWN") near3 ("Wendell")).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/11/27 12:05
S75	97498	(delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4) same call$4 same (segment$3 or divid$3 or split$4 or separat$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/27 12:07

S76	129	(("BROWN") near3 ("Wendell")).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/11/27 12:54
S77	96917	(delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4) same call$3 same (segment$3 or divid$3 or split$4 or separat$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/27 12:54
S78	1	S76 and S77	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/27 12:55
S80	5373	(delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4) same call$3 same (segment$3 or divid$3 or split$4 or separat$3) same rout$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/27 12:56
S81	1027	S80 AND ((H04M3/42042 OR H04M7/006 OR H04M15/00 OR H04M15/57 OR H04M15/63 OR H04M15/8292 OR H04M2203/1091 OR H04M2215/208 OR H04M3/42314 OR H04M3/42068 OR H04M3/42102 OR H04M7/0075 OR H04M7/009 OR H04M3/5191 OR H04M3/5237 OR H04M2203/551 OR H04M7/0027 OR H04M3/543 OR H04M5/12 OR H04M2203/301 OR H04M2203/303 OR H04M2203/401 OR H04M2203/6009 OR H04M3/42221 OR H04M3/5175 OR H04M2201/14 OR H04M11/04 OR H04M3/5233 OR H04M2201/12 OR H04M3/42195 OR H04M3/432 OR H04M3/5232 OR H04M3/5238 OR H04M3/56 OR H04M11/085 OR H04M15/61 OR H04M15/8083 OR H04M15/83 OR H04M15/8351 OR H04M15/848 OR H04M15/85 OR H04M1/56 OR H04M1/575 OR H04M1/6505 OR H04M1/72541 OR H04M2201/36 OR H04M2207/12 OR H04M3/12 OR H04M3/36 OR H04M3/367 OR H04M3/42323 OR H04M3/493 OR H04M3/51 OR H04M3/5166 OR H04M3/5183 OR H04M3/523 OR H04M3/5236 OR H04M3/54 OR H04M3/58 OR H04M7/00 OR H04M7/0036 OR H04M7/12 OR H04M15/55 OR H04M15/56 OR H04M2203/2016 OR H04M2203/351 OR H04M2203/352 OR H04M2203/652 OR H04M2215/202 OR H04M2215/2046 OR H04M3/02 OR H04M3/42017 OR H04M3/42051 OR H04M3/42059 OR H04M3/42093 OR H04M3/42289 OR	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/11/27 12:57

		H04M3/436 OR H04M3/4365 OR H04M3/5234 OR H04M3/5235 OR H04M3/527 OR H04M3/53316 OR H04M3/53325 OR H04M3/53366 OR H04M7/003 OR H04M7/0051 OR H04M7/1205 OR H04M7/1255 OR H04M7/126).CPC. OR (379/207.02 OR 379/88.19 OR 379/210.01 OR 379/265.02 OR 379/142.07 OR 379/207.03 OR 379/209.01 OR 379/229 OR 379/133 OR 379/142.01 OR 379/207.16 OR 379/217.01 OR 379/219 OR 379/221.02 OR 379/265.01 OR 379/265.05 OR 379/265.07 OR 379/265.12 OR 379/266.03 OR 379/266.08 OR 379/37 OR 379/424 OR 379/428.01 OR 379/88.04 OR 379/88.17 or 379/114.13).CCLS.)				
S82	778	(delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4) same call$3 same (segment$3 or divid$3 or split$4 or separat$3) same rout$4 same channel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/27 13:03
S83	2	"6459788".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/11/27 13:15
S84	2873	(delay$4 with rout$3 with call$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/27 14:24
S85	1333	S84 and (call$3 near3 (control$4 or screen$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/27 14:25
S86	713	S85 and (call$3 with (segment$3 or divid$3 or split$4 or separat$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/27 14:34
S87	118	S86 and (delay$4 with dial$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/27 14:36
S88	4	"5923745".pn.	US-PGPUB; USPAT;	OR	ON	2017/11/27 15:16

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S89	2	("20170076711").PN.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2017/11/27 16:15
S90	913	(delay$4 near5 rout$3 near5 call$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/27 16:31
S91	31	S90 and (delay$4 near5 dial$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/27 16:31
S92	9	(US-20140321629-$ or US-20090086950-$).did. or (US-7450704-$ or US-6977993-$ or US-6621899-$ or US-8073118-$ or US-8107600-$ or US-8577000-$ or US-5923745-$).did.	US-PGPUB; USPAT	OR	OFF	2017/11/27 16:41
S93	9	S92 and rout$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/11/27 16:41
S94	2	"6459788".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/11/28 09:15
S95	1	"6459788".pn. and calling	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/11/28 15:26
S96	9	(US-20140321629-$ or US-20090086950-$).did. or (US-7450704-$ or US-6977993-$ or US-6621899-$ or US-8073118-$ or US-8107600-$ or US-8577000-$ or US-5923745-$).did.	US-PGPUB; USPAT	OR	OFF	2017/11/29 14:22
S97	2	S96 and (delay$4 near5 rout$5 near5 call$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/11/29 14:22

EAST Search History (Interference)

<This search history is empty>

11/29/2017 4:48:32 PM
C:\Users\ateshale\Documents\EAST\Workspaces\15089098.wsp

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15089098	BROWN, WENDELL D.
	Examiner	Art Unit
	AKELAW TESHALE	2653

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

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

CLAIM		DATE								
Final	Original	06/08/2017	11/29/2017							
	1	✓	✓							
	2	✓	✓							
	3	✓	✓							
	4	✓	✓							
	5	✓	✓							
	6	✓	✓							
	7	✓	✓							
	8	✓	✓							
	9	✓	✓							
	10	✓	✓							
	11	✓	✓							
	12	✓	✓							
	13	✓	✓							
	14	✓	✓							
	15	✓	✓							
	16	✓	✓							
	17	✓	✓							
	18	✓	✓							
	19	✓	✓							
	20	✓	✓							
	21	✓	✓							
	22	✓	✓							
	23	✓	✓							

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15089098	BROWN, WENDELL D.
	Examiner	Art Unit
	AKELAW TESHALE	2653

CPC- SEARCHED		
Symbol	Date	Examiner
H04M3/42042,H04M7/006, H04M15/00, H04M15/57, H04M15/63,H04M15/8292, H04M2203/1091, H04M2215/208, H04M3/42314, H04M3/42068, H04M3/42102, H04M7/0075 , H04M7/009, H04M3/5191, H04M3/5237,H04M2203/551,H04M	11/27/2017	AT

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
379	207.02,88.19,210.01,265.02 ,142.07,207.03,209.01,229,133,142.01,207.16,217.01,219 ,221.02,265.01,265.05,265.07,265.12,266.03,266.08,37, 424,428.01 ,88.04,88.17,114.13	11/27/2017	AT

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

SEARCH NOTES		
Search Notes	Date	Examiner
Inventor name search (east)	11/27/2017	
east search (US-PGPUB;USPAT;USOCR;EPO;JPO;DERWENT;IBM_TDB)	11/27/2017	
Please see east search attachment	11/29/2017	

INTERFERENCE SEARCH

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor	:	Wendell D. Brown
Application No.	:	15/089,098
Confirmation No.	:	1045
Filed	:	01 April 2016
Docket	:	WB-045
Title	:	Method and Apparatus for Content Presentation in Association with a Communication Connection
Group/Art Unit	:	2653
Examiner	:	Teshale, Akelaw

REPLY UNDER 37 C.F.R. § 1.111

Amendment
Via Electronic Filing

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

Sir:

In response to the office action mailed June 16, 2017, please amend the subject application as follows.

A list of claims begins on page 2 of this paper.

Remarks/arguments begin on page 8.

Page 133 of 327 (IPR2026-00255)
Cisco Systems, Inc. v. Vusura Technology LLC

Claims

1. (Original) A method of facilitating presentation of content on a communication device, the method comprising:

receiving notification of a call from a first communication device;

in response to the notification:

delaying routing of the call without soliciting action by a first operator of the first communication device; and

selecting a second operator of a second communication device to receive the call;

separating the call into a signaling channel and a voice channel; and

connecting the voice channel of the call to the second communication device after termination of the delay.

2. (Original) The method of claim 1, further comprising, in response to the notification:

causing to be transmitted, to one or more of the first communication device and the second communication device, pre-ring content delivered before the call rings at the second communication device.

3. (Original) The method of claim 1, wherein:

the notification comprises a notification of initiation of the call; and

delaying routing of the call comprises transmitting a signal to the first communication device to delay dialing the call.

4. (Original) The method of claim 1, wherein:

the notification comprises a notification of receipt of the call at a gateway; and

delaying routing of the call comprises delaying connection of the voice channel of the call from the gateway to the second communication device.

Page 134 of 327 (IPR2026-00255)
Cisco Systems, Inc. v. Vusura Technology LLC

5. (Original) The method of claim 1, wherein receiving the notification comprises receiving the signaling channel.

6. (Original) The method of claim 1, further comprising, prior to receiving the notification:

receiving the call, at a gateway, from a public switched telephone network;

wherein receiving the notification comprises receiving the notification at a call controller, from the gateway; and

wherein the call controller selects the second operator.

7. (Original) The method of claim 6, wherein connecting the call comprises:

signaling the gateway, by the call controller, to direct the voice channel of the call to the second communication device.

8. (Original) The method of claim 1, further comprising:

after connecting the call to the second communication device, causing to be transmitted, to one or more of the first communication device and the second communication device, in-call content delivered during the call.

9. (Original) The method of claim 8, wherein the in-call content comprises content displayed simultaneously, during the call, on the first communication device and the second communication device.

10. (Original) The method of claim 8, wherein the in-call content comprises a first sequence of content items from the first communication device interleaved with a second sequence of content items from the second communication device.

11. (Original) The method of claim 1, further comprising:

causing to be transmitted, to one or more of the first communication device and the second communication device, post-call content delivered after the call is terminated.

12. (Original) The method of claim 11, wherein said causing to be transmitted comprises transmitting a reference to the post-call content to the one or more of the first communication device and the second communication device.

13. (Original) A non-transitory computer-readable medium storing instructions that, when executed by a processor, cause the processor to perform a method of facilitating presentation of content on a communication device, the method comprising:

receiving notification of a call from a first communication device;

in response to the notification:

delaying routing of the call without soliciting action by a first operator of the first communication device; and

selecting a second operator of a second communication device to receive the call;

separating the call into a signaling channel and a voice channel; and

connecting the voice channel of the call to the second communication device after termination of the delay.

14. (Original) An apparatus for facilitating presentation of content on a communication device, the apparatus comprising:

one or more processors; and

memory storing instructions that, when executed by the one or more processors, cause the apparatus to:

receive notification of a call from a first communication device;

in response to the notification:

delay routing of the call without soliciting action by a first operator of the first communication device; and

select a second operator of a second communication device to receive the call;

separate the call into a signaling channel and a voice channel; and

connect the voice channel of the call to the second communication device after termination of the delay.

15. (Original) The apparatus of claim 14, wherein the memory further stores instructions that, when executed by the one or more processors, cause the apparatus to, in response to the notification:

cause to be transmitted, to one or more of the first communication device and the second communication device, pre-ring content delivered before the call rings at the second communication device.

16. (Original) The apparatus of claim 14, wherein:

the notification comprises a notification of initiation of the call; and

delaying routing of the call comprises transmitting a signal to the first communication device to delay dialing the call.

17. (Original) The apparatus of claim 14, wherein:

the notification comprises a notification of receipt of the call at a gateway; and

delaying routing of the call comprises delaying connection of the voice channel call from the gateway to the second communication device.

18. (Original) The apparatus of claim 14, wherein receiving the

Page 137 of 327 (IPR2026-00255)
Cisco Systems, Inc. v. Vusura Technology LLC

notification comprises receiving the signaling channel.

19. (Original) The apparatus of claim 14, wherein the memory further stores instructions that, when executed by the one or more processors, cause the apparatus to, prior to receiving the notification:

receive the call, at a gateway, from a public switched telephone network;

wherein receiving the notification comprises receiving the notification at a call controller, from the gateway; and

wherein the call controller selects the second operator.

20. (Original) The apparatus of claim 19, wherein connecting the call comprises:

signaling the gateway, by the call controller, to direct the voice channel of the call to the second communication device.

21. (Original) The apparatus of claim 14, wherein the memory further stores instructions that, when executed by the one or more processors, cause the apparatus to:

after connecting the call to the second communication device, cause to be transmitted, to one or more of the first communication device and the second communication device, in-call content delivered during the call.

22. (Original) The apparatus of claim 21, wherein the in-call content comprises content displayed simultaneously, during the call, on the first communication device and the second communication device.

23. (Original) The apparatus of claim 14, wherein the memory further stores instructions that, when executed by the one or more processors, cause the apparatus to, further comprising:

causing to be transmitted, to one or more of the first communication device and the second communication device, post-call content delivered after the call is terminated.

Page 139 of 327 (IPR2026-00255)
Cisco Systems, Inc. v. Vusura Technology LLC

Remarks

In the office action mailed June 16, 2017, claims 1-23 were pending, and:

1. Claims 1, 3-7, 11-14, 16-20 and 23 were rejected under 35 U.S.C. § 102(a) as being anticipated by U.S. Patent No. 6,459,788 (Khuc);
2. Claims 2 and 15 were rejected under 35 U.S.C. § 103 as being unpatentable over Khuc, in view of U.S. Patent No. 8,320,878 (Vakil); and
3. Claims 8-10 and 21-22 were rejected under 35 U.S.C. § 103 as being unpatentable over Khuc, in view of U.S. Publication No. 2005/0278207 (Ronnewinkel).

Some or all of these claim rejections are addressed below; lack of response to a particular rejection or ground for rejection does not constitute agreement.

I Rejections under 35 U.S.C. § 102

A. Delaying Routing of the Call without Soliciting Action by a First Operator of the First Communication Device

In some embodiments, (e.g., corresponding to claims 1, 13, 14), facilitating the presentation of content on a communication device includes delaying routing of a call from a first communication device without soliciting action by a first operator of the first device.

This aspect of these embodiments was rejected over Khuc (column 9, lines 16-34). Applicant traverses.

In the cited portion of Khuc, some criteria for identifying an absolute address are described (e.g., time of day, ANI, called number), allocation of call center resources is touched upon (e.g., to promote load balancing), and capability data are checked (e.g., language, gender). There does not appear to be any discussion of affirmatively or purposefully delaying routing of a call from a communication device.

The examiner also mentioned illustrative actions such a playing a greeting to a caller or checking capability data of call centers to route the call to an agent. However, these actions do not entail affirmatively delaying or pausing call routing. There is no indication in Khuc that either of these activities cause any delay in the routing of a call. In contrast, the present application recites purposefully delaying the routing of a call (e.g., paragraphs [0043-0044, 0061, 0074]).

B. Wherein … Delaying Routing of the Call Comprises Transmitting a Signal to the First Communication Device to Delay Dialing the Call

In some embodiments, (e.g., corresponding to claims 3, 16), facilitating the presentation of content on a communication device includes delaying routing of a call from a first communication device without soliciting action by a first operator of the first device, wherein the delaying activity includes transmitting a signal to the first device to delay dialing the call.

This aspect of these embodiments was rejected over Khuc (column 9, lines 16-34). Applicant traverses.

The cited portions of Khuc are devoid of any mention of transmitting a signal to a first communication device that is initiating a call to a second communication device. The subject matter of these portions of Khuc is synopsized above in Section I.A.

Further, there is no need for the Khuc system to transmit a signal to a communication device that is initiating a call to another device, because the Khuc system is directed to a "Call Center Resource Processor" (title) and appears to focus on identifying and using absolute addresses of termination points of calls to route calls within a call center. The activity discussed in Khuc does not require the call center processor to signal a communication device that is placing a call, for the purpose of instructing it to delay dialing the call or for any other purpose.

CONCLUSION

No new matter has been added with the preceding amendments. It is submitted that the application is in suitable condition for allowance. Such action is respectfully requested. If prosecution of this application may be facilitated through a telephone interview, the Examiner is invited to contact Applicant's attorney identified below.

Page 141 of 327 (IPR2026-00255)
Cisco Systems, Inc. v. Vusura Technology LLC

Respectfully submitted,

Date: September 4, 2017 By: /Daniel Vaughan/ 42,199
Daniel E. Vaughan (Registration No.)

Park, Vaughan, Fleming & Dowler LLP
2820 Fifth Street
Davis, CA 95618-7759
(530) 759-1660: voice
(530) 759-1665: facsimile

Electronic Acknowledgement Receipt

EFS ID:	30265278
Application Number:	15089098
International Application Number:	
Confirmation Number:	1045
Title of Invention:	METHOD AND APPARATUS FOR CONTENT PRESENTATION IN ASSOCIATION WITH A COMMUNICATION CONNECTION
First Named Inventor/Applicant Name:	Wendell D. Brown
Customer Number:	22200
Filer:	A.Richard Park
Filer Authorized By:	
Attorney Docket Number:	WB-045
Receipt Date:	05-SEP-2017
Filing Date:	01-APR-2016
Time Stamp:	14:07:56
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	Miscellaneous Incoming Letter	Authorization-deposit-account_DEV.pdf	70241 9359715042fbc4349bec73924e8fc6edd0c39d59	no	1

Warnings:

Information:					
2		WB-045_Amendment_A.pdf	44606 ca50c548ec7f4b35bb3f78f9bf1de6e1cb6fbc71	yes	10

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Amendment/Req. Reconsideration-After Non-Final Reject	1	1
	Claims	2	7
	Applicant Arguments/Remarks Made in an Amendment	8	10

Warnings:	
Information:	
Total Files Size (in bytes):	114847

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

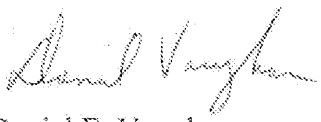
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will 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.

AUTHORIZATION TO DEDUCT ANY UNDERPAYMENTS OR CREDIT ANY OVERPAYMENTS TO DEPOSIT ACCOUNT 50-1801

Please deduct any underpayments, credit any overpayments, and charge all required extension of time fees associated with the attached filing to Deposit Account Number 50-1801.

Park, Vaughan, Fleming & Dowler LLP
2820 Fifth Street
Davis, CA 95618-7759
Tel: (530) 759-1660
Fax: (530) 759-1665
Email: dan@parklegal.com

Respectfully submitted,

By: 

Daniel E. Vaughan
Registration No. 42,199

PTO/SB/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
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 displays a valid OMB control number.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 15/089,098	Filing Date 04/01/2016	☐ To be Mailed

ENTITY: ☐ LARGE ☒ SMALL ☐ MICRO

APPLICATION AS FILED – PART I

FOR	(Column 1) NUMBER FILED	(Column 2) 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), (i), 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

AMENDMENT **09/05/2017**

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	* 23	Minus	** 23	= 0	X $40 =	0
Independent (37 CFR 1.16(h))	* 3	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**

AMENDMENT

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) 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
TAMMY D. MCBETH BROWN

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.**

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

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.
15/089,098	04/01/2016	Wendell D. Brown	WB-045	1045

22200 7590 06/16/2017
PARK, VAUGHAN, FLEMING & DOWLER LLP
2820 FIFTH STREET
DAVIS, CA 95618

EXAMINER
TESHALE, AKELAW

ART UNIT	PAPER NUMBER
2653	

NOTIFICATION DATE	DELIVERY MODE
06/16/2017	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):

DAN@PARKLEGAL.COM
jeannie@parklegal.com
wendy@parklegal.com

Office Action Summary	Application No. 15/089,098	Applicant(s) BROWN, WENDELL D.	
	Examiner AKELAW TESHALE	Art Unit 2653	AIA (First Inventor to File) Status Yes

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

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *04/01/2016*.

☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ 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.

4)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

5)☒ Claim(s) *1-23* is/are pending in the application.

5a) Of the above claim(s) _____ is/are withdrawn from consideration.

6)☐ Claim(s) _____ is/are allowed.

7)☒ Claim(s) *1-23* is/are rejected.

8)☐ Claim(s) _____ is/are objected to.

9)☐ Claim(s) _____ are subject to restriction and/or election requirement.

* If any claims have been determined allowable, 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.

Application Papers

10)☐ The specification is objected to by the Examiner.

11)☒ The drawing(s) filed on *04/01/2016* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

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)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☒ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date _____.

3) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .

4) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any correction of the statutory basis for the rejection will not be considered a new ground of rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (a)(1) the claimed invention was patented, described in a printed publication, or in public use, on sale or otherwise available to the public before the effective filing date of the claimed invention.

3. Claims 1, 3-7, 11-14, 16-20 and 23 are rejected under 35 U.S.C. 102 (a) (1) as being anticipated by U.S Patent No.6, 459,788 B1 to Khuc et al. (hereinafter "Khuc").

Regarding claim 1, Khuc discloses a method of facilitating presentation of content on a communication device, the method comprising:

receiving notification of a call from a first communication device (Fig.3 and column 9, lines 16-20; a phone call is received from telephone 302);

in response to the notification:

delaying routing of the call without soliciting action by a first operator of the first communication device (column 9, lines 16-34; playing a greeting to ca caller, or checking capability data of call centers to route the call to an agent); and

selecting a second operator of a second communication device to receive the call (column 9, lines 34-39; pre-routing processor route calls to agents based on the distance between the caller and the call center resource);

separating the call into a signaling channel and a voice channel (column 12, line 63 through column 13, line 12; an ATM switch 500 which separates an incoming call into data and voice); and connecting the voice channel of the call to the second communication device after termination of the delay (inherently, when an agent answering an incoming call).

Regarding claim 3, Khuc discloses the method of claim 1, wherein:

the notification comprises a notification of initiation of the call; and delaying routing of the call comprises transmitting a signal to the first communication device to delay dialing the call (column 9, lines 16-34).

Regarding claim 4, Khuc discloses the method of claim 1, wherein:

the notification comprises a notification of receipt of the call at a gateway; and delaying routing of the call comprises delaying connection of the voice channel of the call from the gateway to the second communication device (column 9, lines 16-34).

Regarding claim 5, Khuc discloses the method of claim 1, wherein receiving the notification comprises receiving the signaling channel (column 9, lines 16-34).

Regarding claim 6, Khuc discloses the method of claim 1, further comprising, and prior to receiving the notification:

receiving the call, at a gateway, from a public switched telephone network;

wherein receiving the notification comprises receiving the notification at a call controller, from the gateway; and wherein the call controller selects the second operator (column 12, line 63 through column 13, line 12).

Regarding claim 7, Khuc discloses the method of claim 6, wherein connecting the call comprises:

signaling the gateway, by the call controller, to direct the voice channel of the call to the second communication device (column 9, lines 16-39).

Regarding claim 11, Khuc discloses the method of claim 1, further comprising:

causing to be transmitted, to one or more of the first communication device and the second communication device, post-call content delivered after the call is terminated (column 9, lines 16-39).

Regarding claim 12, Khuc discloses the method of claim 11, wherein said causing to be transmitted comprises transmitting a reference to the post-call content to the one or more of the first communication device and the second communication device (column 9, lines 16-39)..

Regarding claim 13, please see claim 1 rejections above.

Regarding claim 14, please see claim 1 rejections above.

Regarding claim 16, Khuc discloses the apparatus of claim 14, wherein:

the notification comprises a notification of initiation of the call; and

delaying routing of the call comprises transmitting a signal to the first communication device to delay dialing the call (column 9, lines 16-34).

Regarding claim 17, Khuc discloses the apparatus of claim 14, wherein:

the notification comprises a notification of receipt of the call at a gateway; and delaying routing of the call comprises delaying connection of the voice channel call from the gateway to the second communication device (column 9, lines 16-34).

Regarding claim 18, Khuc discloses the apparatus of claim 14, wherein receiving the notification comprises receiving the signalling channel (column 9, lines 16-34).

Regarding claim 19, Khuc discloses the apparatus of claim 14, wherein the memory further stores instructions that, when executed by the one or more processors, cause the apparatus to, prior to receiving the notification:

receive the call, at a gateway, from a public switched telephone network;

wherein receiving the notification comprises receiving the notification at a call controller, from the gateway; and wherein the call controller selects the second operator (column 12, line 63 through column 13, line 12).

Regarding claim 20, Khuc discloses the apparatus of claim 19, wherein connecting the call comprises:

signaling the gateway, by the call controller, to direct the voice channel of the call to the second communication device (column 9, lines 16-39).

Regarding claim 23, Khuc discloses the apparatus of claim 14, wherein the memory further stores instructions that, when executed by the one or more processors, cause the apparatus to, further comprising:

causing to be transmitted, to one or more of the first communication device and the second communication device, post-call content delivered after the call is terminated (column 9, lines 16-39).

Claim Rejections - 35 USC § 103

4. In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any correction of the statutory basis for the rejection will not be considered a new ground of

rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

5. The following is a quotation of 35 U.S.C. 103 which forms the basis for all obviousness rejections set forth in this Office action:

> A patent for a claimed invention may not be obtained, notwithstanding that the claimed invention is not identically disclosed as set forth in section 102, if the differences between the claimed invention and the prior art are such that the claimed invention as a whole would have been obvious before the effective filing date of the claimed invention to a person having ordinary skill in the art to which the claimed invention pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 2 and 15 are rejected under 35 U.S.C. 103 as being unpatentable over U.S Patent No.6, 459,788 B1 to Khuc et al. (hereinafter “Khuc”) in view of U.S Patent No. 8,320,878 B2 to Vakil et al. (hereinafter ”Vakil”)

Regarding claim 2, Khuc does not teach the method of claim 1, further comprising, in response to the notification:

causing to be transmitted, to one or more of the first communication device and the second communication device, pre-ring content delivered before the call rings at the second communication device.

However, in the same field of endeavor, Vakil discloses causing to be transmitted, to one or more of the first communication device and the second communication device, pre-ring content delivered before the call rings at the second communication device (column 7, lines 16-33; a transmitting advertisement of a caller device before ring at a callee device).

At the time of the effective filing date of the invention, it would have been obvious to a person of ordinary skilled in the art to modify Khuc’s teaching with a feature of transmitted, to one or more of the first communication device and the second

communication device, pre-ring content delivered before the call rings at the second communication device as taught by Vakil so that the service providers could subsidize their services to individuals by carrying advertisement for businesses.

Regarding claim 15, Khuc does not teach the apparatus of claim 14, wherein the memory further stores instructions that, when executed by the one or more processors, cause the apparatus to, in response to the notification:

cause to be transmitted, to one or more of the first communication device and the second communication device, pre-ring content delivered before the call rings at the second communication device.

However, in the same field of endeavor, Vakil discloses cause to be transmitted, to one or more of the first communication device and the second communication device, pre-ring content delivered before the call rings at the second communication device (column 7, lines 16-33; a transmitting advertisement of a caller device before ring at a callee device).

At the time of the effective filing date of the invention, it would have been obvious to a person of ordinary skilled in the art to modify Khuc's teaching with a feature of cause to be transmitted, to one or more of the first communication device and the second communication device, pre-ring content delivered before the call rings at the second communication device as taught by Vakil so that the service providers could subsidize their services to individuals by carrying advertisement for businesses.

7. Claims 8-10 and 21-22 are rejected under 35 U.S.C. 103 as being unpatentable over U.S Patent No.6, 459,788 B1 to Khuc et al. (hereinafter "Khuc") in view of U.S Pub No 2005/0278207 to Ronnewinkel.

Regarding claim 8, Khuc does not teach the method of claim 1, further comprising:

after connecting the call to the second communication device, causing to

be transmitted, to one or more of the first communication device and the second communication device, in-call content delivered during the call.

In the same field of endeavor, Ronnewinkel teaches after connecting the call to the second communication device, causing to be transmitted, to one or more of the first communication device and the second communication device, in-call content delivered during the call (Figures. 1-2 and paragraphs [0015],[0022]-[0025]).

At the time of the effective filing date of the invention, it would have been obvious to a person of ordinary skilled in the art to modify Khuc's teaching with a feature of after connecting the call to the second communication device, causing to be transmitted, to one or more of the first communication device and the second communication device, in-call content delivered during the call as taught by Ronnewinkel by combing known prior art elements according to known methods to yield predictable results.

Regarding claim 9, Khuc does not teach the method of claim 8, wherein the in-call content comprises content displayed simultaneously, during the call, on the first communication device and the second communication device.

In the same field of endeavor, Ronnewinkel teaches in-call content comprises content displayed simultaneously, during the call, on the first communication device and the second communication device (Figures. 1-2 and paragraphs [0015],[0022]-[0025]).

At the time of the effective filing date of the invention, it would have been obvious to a person of ordinary skilled in the art to modify Khuc's teaching with a feature of in-call content comprises content displayed simultaneously, during the call, on the first communication device and the second communication device as taught by Ronnewinkel by combing known prior art elements according to known methods to yield predictable results.

Regarding claim 10, Khuc does not teach the method of claim 8, wherein the in-call content comprises a first sequence of content items from the first communication device interleaved with a second sequence of content items from the second communication device.

In the same field of endeavor, Ronnewinkel teaches in-call content comprises a first sequence of content items from the first communication device interleaved with a second sequence of content items from the second communication device (Figures. 1-2 and paragraphs [0015],[0022]-[0025]).

At the time of the effective filing date of the invention, it would have been obvious to a person of ordinary skilled in the art to modify Khuc's teaching with a feature of in-call content comprises a first sequence of content items from the first communication

device interleaved with a second sequence of content items from the second communication device as taught by Ronnewinkel by combing known prior art elements according to known methods to yield predictable results.

Regarding claim 21, Khuc does not teach the apparatus of claim 14, wherein the memory further stores instructions that, when executed by the one or more processors, cause the apparatus to:

after connecting the call to the second communication device, cause to be transmitted, to one or more of the first communication device and the second communication device, in-call content delivered during the call.

after connecting the call to the second communication device, causing to be transmitted, to one or more of the first communication device and the second communication device, in-call content delivered during the call.

In the same field of endeavor, Ronnewinkel teaches after connecting the call to the second communication device, causing to be transmitted, to one or more of the first communication device and the second communication device, in-call content delivered during the call (Figures. 1-2 and paragraphs [0015],[0022]-[0025]).

At the time of the effective filing date of the invention, it would have been obvious to a person of ordinary skilled in the art to modify Khuc's teaching with a feature of after connecting the call to the second communication device, causing to be transmitted, to one or more of the first communication device and the second communication device,

in-call content delivered during the call as taught by Ronnewinkel by combing known prior art elements according to known methods to yield predictable results.

Regarding claim 22, Khuc does not teach the apparatus of claim 21, wherein the in-call content comprises content displayed simultaneously, during the call, on the first communication device and the second communication device.

In the same field of endeavor, Ronnewinkel teaches in-call content comprises content displayed simultaneously, during the call, on the first communication device and the second communication device (Figures. 1-2 and paragraphs [0015],[0022]-[0025]).

At the time of the effective filing date of the invention, it would have been obvious to a person of ordinary skilled in the art to modify Khuc's teaching with a feature of in-call content comprises content displayed simultaneously, during the call, on the first communication device and the second communication device as taught by Ronnewinkel by combing known prior art elements according to known methods to yield predictable results.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to AKELAW TESHALE whose telephone number is (571)270-5302. The examiner can normally be reached on M-F 8:00am-5:00 Pm ET.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at http://www.uspto.gov/interviewpractice.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, FAN TSANG can be reached on (571)272-7547. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. 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.

/AKELAW TESHALE/
Primary Examiner, Art Unit 2653

Notice of References Cited	Application/Control No. 15/089,098	Applicant(s)/Patent Under Reexamination BROWN, WENDELL D.	
	Examiner AKELAW TESHALE	Art Unit 2653	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-6,459,788 B1	10-2002	Khuc; Minh Duy	H04M3/51	370/352
*	B	US-8,320,878 B2	11-2012	Vakil; Faramak	G06Q20/14	379/114.03
*	C	US-2005/0278207 A1	12-2005	Ronnewinkel, Christopher	G06Q30/02	705/326
	D	US-				
	E	US-				
	F	US-				
	G	US-				
	H	US-				
	I	US-				
	J	US-				
	K	US-				
	L	US-				
	M	US-				

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

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

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

BIB DATA SHEET

CONFIRMATION NO. 1045

SERIAL NUMBER	FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
15/089,098	04/01/2016 RULE	379	2653	WB-045

APPLICANTS

INVENTORS

Wendell D. Brown, Henderson, NV;

**** CONTINUING DATA ***************************

This application is a CIP of 14/951,351 11/24/2015 PAT 9578474
which is a CIP of 14/327,325 07/09/2014 PAT 9270820
which is a CON of 14/041,879 09/30/2013 PAT 8804930
which is a CON of 12/563,112 09/18/2009 PAT 8577000
which claims benefit of 61/167,105 04/06/2009

**** FOREIGN APPLICATIONS ***************************

**** IF REQUIRED, FOREIGN FILING LICENSE GRANTED **** ** SMALL ENTITY **
04/15/2016

Foreign Priority claimed	☐ Yes ☑ No	☐ Met after Allowance	STATE OR COUNTRY	SHEETS DRAWINGS	TOTAL CLAIMS	INDEPENDENT CLAIMS
35 USC 119(a-d) conditions met	☐ Yes ☑ No					
Verified and Acknowledged	/AKELAW TESHALE/ Examiner's Signature	Initials	NV	15	23	3

ADDRESS

PARK, VAUGHAN, FLEMING & DOWLER LLP
2820 FIFTH STREET
DAVIS, CA 95618
UNITED STATES

TITLE

METHOD AND APPARATUS FOR CONTENT PRESENTATION IN ASSOCIATION WITH A COMMUNICATION CONNECTION

FILING FEE RECEIVED		
850	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

BIB (Rev. 05/07).

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
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	15089098
Filing Date	2016-04-01
First Named Inventor	Wendell D. Brown
Art Unit	2652
Examiner Name	TBA
Attorney Docket Number	WB-045

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	6947531	B1	2005-09-20	Lewis, Ronald	
	2	6084628	A	2000-07-04	Sawyer, Francois	
	3	6301342	B1	2001-10-09	Ander, Carl	

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

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
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2]	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

EFS Web 2.1.17

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.T/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**	Application Number	15089098
	Filing Date	2016-04-01
	First Named Inventor	Wendell D. Brown
	Art Unit	2652
	Examiner Name	TBA
	Attorney Docket Number	WB-045

If you wish to add additional Foreign Patent Document citation information please click the Add button [Add]

NON-PATENT LITERATURE DOCUMENTS [Remove]

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]
	1		

If you wish to add additional non-patent literature document citation information please click the Add button [Add]

EXAMINER SIGNATURE

Examiner Signature	/AKELAW TESHALE/	Date Considered	06/08/2017

*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.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.T/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**	Application Number	15089098
	Filing Date	2016-04-01
	First Named Inventor	Wendell D. Brown
	Art Unit	2652
	Examiner Name	TBA
	Attorney Docket Number	WB-045

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.

Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

None

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	/Daniel E. Vaughan/	Date (YYYY-MM-DD)	2016-09-30
Name/Print	Daniel E. Vaughan	Registration Number	42199

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.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.T/

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 the Freedom of Information Act requires disclosure of these record s.

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.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.T/

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
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	15089098
Filing Date	2016-04-01
First Named Inventor	Wendell D. Brown
Art Unit	
Examiner Name	
Attorney Docket Number	WB-045

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	6553115	B1	2003-04-22	Alexander Mashinsky	
	2	8073118		2011-12-06	Sterman, Baruch	
	3	6621899		2003-09-16	Dezonno et al.	
	4	8081751		2001-12-20	Martin et al.	
	5	8234167		2012-07-31	Civanlar et al.	
	6	6493437		2002-12-10	Olshansky, Robert	
	7	6497531		2005-09-20	Lewis et al.	
	8	8086488		2011-12-27	Lui, David Wanqian	

EFS Web 2.1.17

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.T/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	15089098
	Filing Date	2016-04-01
	First Named Inventor	Wendell D. Brown
	Art Unit	
	Examiner Name	
	Attorney Docket Number	WB-045

	9	7120235		2006-10-10	Altberg et al.	
	10	6977993		2005-12-20	Starbuck et al.	
	11	7991894		2011-08-02	Koskelainen, Petri	
	12	7450704		2008-11-11	Lund, Arnold M.	
	13	6271950		2001-08-07	Hansen et al.	
	14	6728353		2004-04-27	Espejo et al.	
	15	6856673	B1	2005-02-15	Diane Banks	
	16	8107600	B1	2012-01-31	Sean P. O'keeffe	
	17	8639214	B1	2014-01-28	Iwao Fujisaki	

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

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

EFS Web 2.1.17

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.T/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	15089098
	Filing Date	2016-04-01
	First Named Inventor	Wendell D. Brown
	Art Unit	
	Examiner Name	
	Attorney Docket Number	WB-045

	1	20040196868		2004-10-07	Neal J. King	
	2	20070162296		2007-07-12	Altberg et al.	
	3	20070030338	A1	2007-02-08	Yue Jun Jiang	
	4	20070118592	A1	2007-05-24	Michael Bachenberg	
	5	20070140446	A1	2007-06-21	Randolph M. Haldeman	
	6	20080221985	A1	2008-09-04	Seyhan Civanlar	

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

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]

EFS Web 2.1.17

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.T/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**	Application Number	15089098
	Filing Date	2016-04-01
	First Named Inventor	Wendell D. Brown
	Art Unit	
	Examiner Name	
	Attorney Docket Number	WB-045

	1	

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/AKELAW TESHALE/	Date Considered	06/08/2017

*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.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.T/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**	Application Number	15089098
	Filing Date	2016-04-01
	First Named Inventor	Wendell D. Brown
	Art Unit	
	Examiner Name	
	Attorney Docket Number	WB-045

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.

Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

None

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	/A. Richard Park/	Date (YYYY-MM-DD)	2016-04-15
Name/Print	A. Richard Park	Registration Number	41,241

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.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.T/

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 the Freedom of Information Act requires disclosure of these record s.

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.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.T/

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15089098	BROWN, WENDELL D.
	Examiner	Art Unit
	AKELAW TESHALE	2653

CPC- SEARCHED		
Symbol	Date	Examiner
H04M3/42042,H04M7/006, H04M15/00, H04M15/57, H04M15/63,H04M15/8292, H04M2203/1091, H04M2215/208, H04M3/42314, H04M3/42068, H04M3/42102, H04M7/0075 , H04M7/009, H04M3/5191, H04M3/5237,H04M2203/551,H04M	6/7/2017	AT

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
379	207.02,88.19,210.01,265.02 ,142.07,207.03,209.01,229,133,142.01,207.16,217.01,219 ,221.02,265.01,265.05,265.07,265.12,266.03,266.08,37, 424,428.01 ,88.04,88.17,114.13	6/7/2017	Inventor name search

SEARCH NOTES		
Search Notes	Date	Examiner
Inventor name search (east)	3/2/2017	
east search (US-PGPUB;USPAT;USOCR;EPO;JPO;DERWENT;IBM_TDB)	5/29/2017	
Please see east search attachment	6/8/2017	

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

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15089098	BROWN, WENDELL D.
	Examiner	Art Unit
	AKELAW TESHALE	2653

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

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

CLAIM		DATE								
Final	Original	06/08/2017								
	1	✓								
	2	✓								
	3	✓								
	4	✓								
	5	✓								
	6	✓								
	7	✓								
	8	✓								
	9	✓								
	10	✓								
	11	✓								
	12	✓								
	13	✓								
	14	✓								
	15	✓								
	16	✓								
	17	✓								
	18	✓								
	19	✓								
	20	✓								
	21	✓								
	22	✓								
	23	✓								

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	("20160219142").PN.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2017/03/02 14:17
S2	2	S1 and notification	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 14:20
S3	114	(("BROWN") near3 ("Wendell")).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/02 14:29
S4	1	S3 and (delay$4 same call$4 same (segment$3 or divid$3 or split$4 or separat$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 14:33
S5	95496	(delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4) same call$4 same (segment$3 or divid$3 or split$4 or separat$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 14:37
S6	9519	(delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4) same call$4 same (segment$3 or divid$3 or split$4 or separat$3) same channel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 14:37
S7	265	(delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4) same call$4 same (segment$3 or divid$3 or split$4 or separat$3) same channel same notif$7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 14:39
S8	64	("6493437" | "8086488" | "20070030338" | "6497531" | "6728353" | "6977993" | "7991894" | "8073118" | "8234167" | "8639214" | "6856673" | "6084628" | "20040196868" | "20070140446" | "6553115" | "7120235" | "6301342" | "6621899" | "20080221985" | "6271950" | "8107600"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 14:40

		| "6947531" | "20070118592" | "8081751" | "20140321629" | "20070162296" | "7450704").PN.				
S9	0	S6 and S8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 14:41
S10	2	S5 and S8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 14:44
S11	30	S8 and (display$4 or alert$4 or notif$7)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 14:46
S12	28	S8 and ((display$4 or alert$4 or notif$7) same call$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 14:47
S13	893	(delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4) same call$4 same (segment$3 or divid$3 or split$4 or separat$3) same channel same ((Answer$4 or connect$4) near5 call$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 15:02
S14	319	S13 and ((display$4 or alert$4 or notif$7) same call$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 15:03
S15	240	S14 and (call$4 with (segment$3 or divid$3 or split$4 or separat$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 15:04
S16	188	S15 and ring$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 15:10
S17	3	"20090086950".pn.	US-PGPUB; USPAT;	OR	ON	2017/03/02 15:12

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S18	62655	(display$4 or alert$4 or notif$7) same ((answer$4 or connect$4) near5 call$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 15:40
S19	9457	(delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4 or wait$4) same S18	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 15:41
S20	1345	S19 same rout$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 15:42
S21	639	S20 and (call$4 with (segment$3 or divid$3 or split$4 or separat$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 15:42
S22	342	S21 and 379/$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 15:43
S23	529	S20 same (prior44 or before or after)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 15:44
S24	265	S23 and 379/$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/02 15:44
S25	2	("20160219142").PN.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2017/03/17 15:20
S26	1	("20160219142").PN. and (delay with rout$4)	US-PGPUB; USPAT; USOCR;	OR	OFF	2017/03/17 16:12

			DERWENT			
S27	2	("20160219142").PN. and (delay$4 with rout$4)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2017/03/17 16:12
S28	45471	(delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4) same call$4 same channel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/17 16:27
S29	39	S28 and (prering$4 or (pre adj ring$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/17 16:28
S30	452844	((delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4) near5 (dial$4 or ring$4 or call$4 or rout$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/17 16:32
S31	102	S30 and (prering$4 or (pre adj ring$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/17 16:32
S32	452844	((delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4) near5 (dial$4 or ring$4 or call$4 or rout$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/17 22:44
S33	102	S32 and (prering$4 or (pre adj ring$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/17 22:44
S34	3	"20090086950".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/17 23:00
S35	65	("6493437" | "8086488" | "20070030338" | "6497531" | "6728353" | "6977993" | "7991894" | "8073118" | "8234167" | "8639214" | "6856673" | "6084628" | "20040196868" | "20070140446" | "6553115" | "7120235" | "6301342" | "6621899" |	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/17 23:06

		"20080221985" | "6271950" | "8107600" | "6947531" | "20070118592" | "8081751" | "20140321629" | "20070162296" | "7450704").PN.				
S36	15	S35 and ((delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4) near5 (dial$4 or ring$4 or call$4 or rout$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/17 23:06
S37	8	S35 and (delay$4 near5 (dial$4 or ring$4 or call$4 or rout$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/17 23:10
S38	424	(advert$6 or solicit$4) same (delay$4 near5 (dial$4 or ring$4 or call$4 or rout$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/17 23:14
S39	2	("20160219142").PN.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2017/05/28 23:57
S40	2006	(delay$4 near5 (dial$4 or ring$4 or rout$4)) near5 call$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/05/29 00:02
S41	126	("20040196868" | "6947531" | "7991894" | "8073118" | "6856673" | "8086488" | "8234167" | "20020077102" | "20040101127" | "20160219150" | "6493437" | "6728353" | "8639214" | "6084628" | "6233325" | "6459788" | "8320878" | "20070206729" | "20070030338" | "7450704" | "6301342" | "20030061141" | "20050278207" | "6701322" | "20110176669" | "20070118592" | "20080221985" | "6621899" | "6977993" | "8081751" | "6271950" | "5943416" | "6178230" | "8243895" | "20160094708" | "20070140446" | "20070162296" | "6553115" | "20140321629" | "20160219142" | "7627108" | "8577000" | "7120235" | "8107600" | "4899358" | "5623537" | "20110191189" | "4782516").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/05/29 00:07
S42	66	("6493437" | "8086488" | "20070030338" | "6497531" | "6728353" | "6977993" | "7991894" | "8073118" | "8234167" | "8639214" | "6856673" | "6084628" | "20040196868" | "20070140446" | "6553115" | "7120235"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	2017/05/29 00:07

		| "6301342" | "6621899" | "20080221985" | "6271950" | "8107600" | "6947531" | "20070118592" | "8081751" | "20140321629" | "20070162296" | "7450704").PN.	IBM_TDB			
S43	128	S41 or S42	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/05/29 00:07
S44	15	S40 and S43	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/05/29 00:07
S47	2	"8243895".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/05/29 00:13
S48	528620	((delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4 or $4post$3) near5 (dial$4 or ring$4 or call$4 or rout$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/05/29 11:09
S49	97765	((delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4 or $4post$3) near5 (dial$4 or ring$4 or call$4 or rout$4) near5 call$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/05/29 11:10
S50	2	("20160219142").PN.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2017/05/29 11:27
S51	117	(("BROWN") near3 ("Wendell")).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/05/29 11:37
S52	36	S49 and S51	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/05/29 11:41
S53	4	"8335187".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/29 12:15

S54	2	("20160219142").PN.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2017/05/29 12:30
S55	1	S54 and notif$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/29 12:31
S56	66	("6493437" | "8086488" | "20070030338" | "6497531" | "6728353" | "6977993" | "7991894" | "8073118" | "8234167" | "8639214" | "6856673" | "6084628" | "20040196868" | "20070140446" | "6553115" | "7120235" | "6301342" | "6621899" | "20080221985" | "6271950" | "8107600" | "6947531" | "20070118592" | "8081751" | "20140321629" | "20070162296" | "7450704").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/29 12:33
S57	8	S56 and ((split$4 or divid$4 or separat$4 or segment$5) near5 call$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/29 12:37
S58	4	S48 and S57	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/05/29 12:40
S59	3545	S48 same ((split$4 or divid$4 or separat$4 or segment$5) near5 call$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/29 12:41
S60	97765	((delay$4 or pend$4 or hold$4 or withhold$4 or wait$4 or lag or timelag$4 or $4post$3) near5 (dial$4 or ring$4 or call$4 or rout$4)) near5 call$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/05/29 12:43
S61	3545	S59 same ((split$4 or divid$4 or separat$4 or segment$5) near5 call$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/29 12:43
S62	2570	S59 same ((split$4 or divid$4 or separat$4 or segment$5) near3 call$4)	US-PGPUB; USPAT; USOCR; FPRS;	OR	OFF	2017/05/29 12:44

			EPO; JPO; DERWENT; IBM_TDB			
S63	542	(delay$4 near5 rout$4 near5 call)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/29 12:45
S64	668	(delay$4 near5 rout$4 near5 call)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/05/29 12:45
S65	176	S64 and ((split$4 or divid$4 or separat$4 or segment$5) near3 call$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/29 12:45
S66	160	S64 and ((split$4 or divid$4 or separat$4) near3 call$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/29 12:45
S69	2	"8243895".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/06/07 10:28
S70	2	"6459788".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/06/07 10:34
S71	669	(delay$4 near5 rout$4 near5 call)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/06/07 12:06
S72	161	S71 and ((split$4 or divid$4 or separat$4) near3 call$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/06/07 12:06
S73	120	S72 AND ((H04M3/42042 OR H04M7/006 OR H04M15/00 OR	US-PGPUB; USPAT;	OR	OFF	2017/06/07 12:08

		H04M15/57 OR H04M15/63 OR H04M15/8292 OR H04M2203/1091 OR H04M2215/208 OR H04M3/42314 OR H04M3/42068 OR H04M3/42102 OR H04M7/0075 OR H04M7/009 OR H04M3/5191 OR H04M3/5237 OR H04M2203/551 OR H04M7/0027 OR H04M3/543 OR H04M5/12 OR H04M2203/301 OR H04M2203/303 OR H04M2203/401 OR H04M2203/6009 OR H04M3/42221 OR H04M3/5175 OR H04M2201/14 OR H04M11/04 OR H04M3/5233 OR H04M2201/12 OR H04M3/42195 OR H04M3/432 OR H04M3/5232 OR H04M3/5238 OR H04M3/56 OR H04M11/085 OR H04M15/61 OR H04M15/8083 OR H04M15/83 OR H04M15/8351 OR H04M15/848 OR H04M15/85 OR H04M1/56 OR H04M1/575 OR H04M1/6505 OR H04M1/72541 OR H04M2201/36 OR H04M2207/12 OR H04M3/12 OR H04M3/36 OR H04M3/367 OR H04M3/42323 OR H04M3/493 OR H04M3/51 OR H04M3/5166 OR H04M3/5183 OR H04M3/523 OR H04M3/5236 OR H04M3/54 OR H04M3/58 OR H04M7/00 OR H04M7/0036 OR H04M7/12 OR H04M15/55 OR H04M15/56 OR H04M2203/2016 OR H04M2203/351 OR H04M2203/352 OR H04M2203/652 OR H04M2215/202 OR H04M2215/2046 OR H04M3/02 OR H04M3/42017 OR H04M3/42051 OR H04M3/42059 OR H04M3/42093 OR H04M3/42289 OR H04M3/436 OR H04M3/4365 OR H04M3/5234 OR H04M3/5235 OR H04M3/527 OR H04M3/53316 OR H04M3/53325 OR H04M3/53366 OR H04M7/003 OR H04M7/0051 OR H04M7/1205 OR H04M7/1255 OR H04M7/126).CPC. OR (379/207.02 OR 379/88.19 OR 379/210.01 OR 379/265.02 OR 379/142.07 OR 379/207.03 OR 379/209.01 OR 379/229 OR 379/133 OR 379/142.01 OR 379/207.16 OR 379/217.01 OR 379/219 OR 379/221.02 OR 379/265.01 OR 379/265.05 OR 379/265.07 OR 379/265.12 OR 379/266.03 OR 379/266.08 OR 379/37 OR 379/424 OR 379/428.01 OR 379/88.04 OR 379/88.17 or 379/114.13).CCLS.)	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S74	2	"6459788".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/06/07 14:14
S75	5	"8320878".pn.	US-PGPUB; USPAT; USOCR;	OR	OFF	2017/06/08 10:16

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S76	2	"8320878".pn. and $3ring$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/06/08 10:19
S77	2	"20050278207".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/06/08 12:10

EAST Search History (Interference)

<This search history is empty>

6/8/2017 2:54:21 PM
C:\Users\ateshale\Documents\EAST\Workspaces\15089098.wsp

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
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	15089098
Filing Date	2016-04-01
First Named Inventor	Wendell D. Brown
Art Unit	2652
Examiner Name	
Attorney Docket Number	WB-045

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					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

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
	1	20140321629	A1	2014-10-30	BROWN WENDELL D.	

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2]	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

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]

EFS Web 2.1.17

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.T/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	15089098
	Filing Date	2016-04-01
	First Named Inventor	Wendell D. Brown
	Art Unit	2652
	Examiner Name	
	Attorney Docket Number	WB-045

	1	

If you wish to add additional non-patent literature document citation information please click the Add button [Add]

EXAMINER SIGNATURE

Examiner Signature	/AKELAW TESHALE/	Date Considered	06/08/2017

*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.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.T/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**	Application Number	15089098
	Filing Date	2016-04-01
	First Named Inventor	Wendell D. Brown
	Art Unit	2652
	Examiner Name	
	Attorney Docket Number	WB-045

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.

Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

None

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	/A. Richard Park/	Date (YYYY-MM-DD)	2016-07-12
Name/Print	A. Richard Park	Registration Number	41,241

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.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.T/

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 the Freedom of Information Act requires disclosure of these record s.

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.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.T/

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
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	15089098
Filing Date	2016-04-01
First Named Inventor	Wendell D. Brown
Art Unit	2652
Examiner Name	TBA
Attorney Docket Number	WB-045

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	6947531	B1	2005-09-20	Lewis, Ronald	
	2	6084628	A	2000-07-04	Sawyer, Francois	
	3	6301342	B1	2001-10-09	Ander, Carl	

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

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
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2]	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

EFS Web 2.1.17

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	15089098
	Filing Date	2016-04-01
	First Named Inventor	Wendell D. Brown
	Art Unit	2652
	Examiner Name	TBA
	Attorney Docket Number	WB-045

If you wish to add additional Foreign Patent Document citation information please click the Add button [Add]

NON-PATENT LITERATURE DOCUMENTS [Remove]

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]
	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.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	15089098
	Filing Date	2016-04-01
	First Named Inventor	Wendell D. Brown
	Art Unit	2652
	Examiner Name	TBA
	Attorney Docket Number	WB-045

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.

Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

None

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	/Daniel E. Vaughan/	Date (YYYY-MM-DD)	2016-09-30
Name/Print	Daniel E. Vaughan	Registration Number	42199

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

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 record s.

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.

Attorney Docket No.: WB-045

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

Inventor:	Wendell D. Brown
Title:	METHOD AND APPARATUS FOR CONTENT PRESENTATION IN ASSOCIATION WITH A COMMUNICATION CONNECTION
Filing Date:	01 April 2016
Serial Number:	15/089,098 **Confirmation Number:** 1045
Group Art Unit:	2652
Examiner:	Unassigned

Listed below or on an attached Form PTO/SB/08a is information known to applicant(s) and submitted pursuant to 37 C.F.R. §1.56. A copy of each listed publication and foreign patent, except for pending U.S. Patents and published U.S. Applications, is being submitted herewith, along with a concise explanation of information in a foreign language, if any, pursuant to 37 C.F.R. §1.97-1.98.

Applicants respectfully request that the listed information be considered by the Examiner and be made of record in the above-identified application. If form PTO/SB/08a is enclosed, the Examiner is requested to initial and return it in accordance with MPEP §609.

This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in §1.56.

__X__ This statement qualifies under 37 C.F.R. §1.97, subsection (b) because (check all that apply):

___ (1) It is being filed within 3 months of the application filing date.
-- OR --

___ (2) It is being filed within 3 months of entry of a national stage.
-- OR --

__X__ (3) It is being filed before the mail date of the first Office Action on the merits.
-- OR --

___ (4) It is being filed before the mail date of a first Office action after the filing of a request for continued examination under 37 C.F.R. §1.114.

___ This statement qualifies under 37 C.F.R. §1.97, subsection (c), because this statement is being filed after the latest of: (1) three months beyond the filing date of a national application; (2) three months beyond the date of entry of the national stage as set forth in §1.491 in an international application; (3) the mailing date of a first Office action on the merits; or (4) the mail date of a first Office action after the filing of a request for continued examination, but before the mailing date of the earlier of a final office action

Page 193 of 327 (IPR2026-00255)
Cisco Systems, Inc. v. Vusura Technology LLC

under §1.113, a notice of allowance under §1.311, or an action that otherwise closes prosecution in the application, and this statement is accompanied by one of:

___ a certification as specified in §1.97(e) is provided below; **or**

__ a fee of $180.00 as set forth in §1.17(p) is authorized below, enclosed, or included with the payment of other papers filed together with this statement.

__ This statement qualifies under 37 C.F.R. §1.97, subsection (d), because this statement is being filed after the mailing date of the earlier of a final office action under §1.113, a notice of allowance under §1.311, or an action that otherwise closes prosecution, but is filed on or before payment of the issue fee, and this statement is accompanied by:

__ a certification as specified in §1.97(e) is completed below; **and**

__ a fee of $180.00 as set forth in §1.17(p) is authorized below, enclosed, or included with the payment of other papers filed together with this statement.

__ This statement is being filed after the payment of the issue fee but before issuance of the patent.

__ Statement under 37 C.F.R. □1.97(e) - I hereby certify that either:

(1) 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; or

(2) 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 § 1.56(c) more than three months prior to the filing of the information disclosure statement.

Signature: _____

Respectfully submitted,

By: ___/Daniel E. Vaughan/___
Daniel E. Vaughan
Reg. No. 42,199

PARK, VAUGHAN, FLEMING and DOWLER LLP
2820 Fifth Street
Davis, CA 95618-7759
Tel: (530) 759-1660
Fax: (530) 759-1665
Email: dan@parklegal.com
Date: 30 September 2016

Page 194 of 327 (IPR2026-00255)
Cisco Systems, Inc. v. Vusura Technology LLC

Electronic Acknowledgement Receipt

EFS ID:	27092385
Application Number:	15089098
International Application Number:	
Confirmation Number:	1045
Title of Invention:	METHOD AND APPARATUS FOR CONTENT PRESENTATION IN ASSOCIATION WITH A COMMUNICATION CONNECTION
First Named Inventor/Applicant Name:	Wendell D. Brown
Customer Number:	22200
Filer:	A.Richard Park
Filer Authorized By:	
Attorney Docket Number:	WB-045
Receipt Date:	30-SEP-2016
Filing Date:	01-APR-2016
Time Stamp:	17:14:42
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	Miscellaneous Incoming Letter	Authorization-deposit-account_DEV.pdf	70241 9359715042fbc4349bec73924e8fc6edd0c39d59	no	1

Warnings:

Information:					
2	Information Disclosure Statement (IDS) Form (SB08)	IDS_Form__SB_08aF.pdf	612035 0f46591a2151b5c508959ca95b3f691817532284	no	4
Warnings:					
Information:					
3	Transmittal Letter	IDS_Certification_Statement_.pdf	31667 6bb5f73f5ed3f3ba9749be2a4ecd02a6227f28a2	no	2
Warnings:					
Information:					
			Total Files Size (in bytes):	713943	

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.

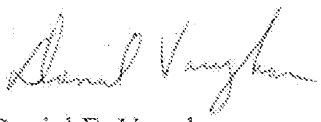
<u>New International Application Filed with the USPTO as a Receiving Office</u>
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International 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.

AUTHORIZATION TO DEDUCT ANY UNDERPAYMENTS OR CREDIT ANY OVERPAYMENTS TO DEPOSIT ACCOUNT 50-1801

Please deduct any underpayments, credit any overpayments, and charge all required extension of time fees associated with the attached filing to Deposit Account Number 50-1801.

Park, Vaughan, Fleming & Dowler LLP
2820 Fifth Street
Davis, CA 95618-7759
Tel: (530) 759-1660
Fax: (530) 759-1665
Email: dan@parklegal.com

Respectfully submitted,

By: 

Daniel E. Vaughan
Registration No. 42,199

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 NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/089,098	04/01/2016	Wendell D. Brown	WB-045

CONFIRMATION NO. 1045

22200
PARK, VAUGHAN, FLEMING & DOWLER LLP
2820 FIFTH STREET
DAVIS, CA 95618

PUBLICATION NOTICE



Title:METHOD AND APPARATUS FOR CONTENT PRESENTATION IN ASSOCIATION WITH A COMMUNICATION CONNECTION

Publication No.US-2016-0219142-A1
Publication Date:07/28/2016

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 Managment, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

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
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	15089098
	Filing Date	2016-04-01
	First Named Inventor	Wendell D. Brown
	Art Unit	2652
	Examiner Name	
	Attorney Docket Number	WB-045

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					

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

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
	1	20140321629	A1	2014-10-30	BROWN WENDELL D.	

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

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]

EFS Web 2.1.17

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	15089098
	Filing Date	2016-04-01
	First Named Inventor	Wendell D. Brown
	Art Unit	2652
	Examiner Name	
	Attorney Docket Number	WB-045

	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.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	15089098
	Filing Date	2016-04-01
	First Named Inventor	Wendell D. Brown
	Art Unit	2652
	Examiner Name	
	Attorney Docket Number	WB-045

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.

Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

None

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	/A. Richard Park/	Date (YYYY-MM-DD)	2016-07-12
Name/Print	A. Richard Park	Registration Number	41,241

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

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 record s.

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.

Attorney Docket No.: WB-045

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

Inventor:	Wendell D. Brown
Title:	METHOD AND APPARATUS FOR CONTENT PRESENTATION IN ASSOCIATION WITH A COMMUNICATION CONNECTION
Filing Date:	01 April 2016
Serial Number:	15/089,098 **Confirmation Number:** 1045
Group Art Unit:	2652
Examiner:	Unassigned

Listed below or on an attached Form PTO/SB/08a is information known to applicant(s) and submitted pursuant to 37 C.F.R. §1.56. A copy of each listed publication and foreign patent, except for pending U.S. Patents and published U.S. Applications, is being submitted herewith, along with a concise explanation of information in a foreign language, if any, pursuant to 37 C.F.R. §1.97-1.98.

Applicants respectfully request that the listed information be considered by the Examiner and be made of record in the above-identified application. If form PTO/SB/08a is enclosed, the Examiner is requested to initial and return it in accordance with MPEP §609.

This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in §1.56.

__X__ This statement qualifies under 37 C.F.R. §1.97, subsection (b) because (check all that apply):

___ (1) It is being filed within 3 months of the application filing date.
-- OR --

___ (2) It is being filed within 3 months of entry of a national stage.
-- OR --

__X__ (3) It is being filed before the mail date of the first Office Action on the merits.
-- OR --

___ (4) It is being filed before the mail date of a first Office action after the filing of a request for continued examination under 37 C.F.R. §1.114.

___ This statement qualifies under 37 C.F.R. §1.97, subsection (c), because this statement is being filed after the latest of: (1) three months beyond the filing date of a national application; (2) three months beyond the date of entry of the national stage as set forth in §1.491 in an international application; (3) the mailing date of a first Office action on the merits; or (4) the mail date of a first Office action after the filing of a request for continued examination, but before the mailing date of the earlier of a final office action

Page 203 of 327 (IPR2026-00255)
Cisco Systems, Inc. v. Vusura Technology LLC

under §1.113, a notice of allowance under §1.311, or an action that otherwise closes prosecution in the application, and this statement is accompanied by one of:

___ a certification as specified in §1.97(e) is provided below; **or**

__ a fee of $180.00 as set forth in §1.17(p) is authorized below, enclosed, or included with the payment of other papers filed together with this statement.

__ This statement qualifies under 37 C.F.R. §1.97, subsection (d), because this statement is being filed after the mailing date of the earlier of a final office action under §1.113, a notice of allowance under §1.311, or an action that otherwise closes prosecution, but is filed on or before payment of the issue fee, and this statement is accompanied by:

__ a certification as specified in §1.97(e) is completed below; **and**

__ a fee of $180.00 as set forth in §1.17(p) is authorized below, enclosed, or included with the payment of other papers filed together with this statement.

__ This statement is being filed after the payment of the issue fee but before issuance of the patent.

__ Statement under 37 C.F.R. □1.97(e) - I hereby certify that either:

(1) 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; or

(2) 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 § 1.56(c) more than three months prior to the filing of the information disclosure statement.

Signature: _____

Respectfully submitted,

By: ___/A. Richard Park/_____
A. Richard Park
Reg. No. 41,241

PARK, VAUGHAN, FLEMING and DOWLER LLP
2820 Fifth Street
Davis, CA 95618-7759
Tel: (530) 759-1660
Fax: (530) 759-1665
Email: richard@parklegal.com
Date: 12 July 2016

Page 204 of 327 (IPR2026-00255)
Cisco Systems, Inc. v. Vusura Technology LLC

Electronic Acknowledgement Receipt

EFS ID:	26342540
Application Number:	15089098
International Application Number:	
Confirmation Number:	1045
Title of Invention:	METHOD AND APPARATUS FOR CONTENT PRESENTATION IN ASSOCIATION WITH A COMMUNICATION CONNECTION
First Named Inventor/Applicant Name:	Wendell D. Brown
Customer Number:	22200
Filer:	A.Richard Park
Filer Authorized By:	
Attorney Docket Number:	WB-045
Receipt Date:	14-JUL-2016
Filing Date:	01-APR-2016
Time Stamp:	13:58:02
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	Miscellaneous Incoming Letter	Authorization-deposit-account_DEV.pdf	70241 9359715042fbc4349bec73924e8fc6edd0c39d59	no	1

Warnings:

Information:					
2	Information Disclosure Statement (IDS) Form (SB08)	IDS_Form__SB_08aF.pdf	611959 9ab087a8ff7dfa30a1a344b80aea63ee5003f52c	no	4
Warnings:					
Information:					
3	Transmittal Letter	IDS_Certification_Statement.pdf	30233 cce4d68ce786bfa74079d705c9f341cca7ee10ca	no	2
Warnings:					
Information:					
			Total Files Size (in bytes):	712433	

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

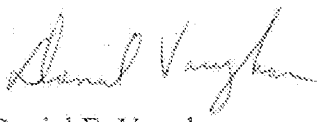
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will 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.

AUTHORIZATION TO DEDUCT ANY UNDERPAYMENTS OR CREDIT ANY OVERPAYMENTS TO DEPOSIT ACCOUNT 50-1801

Please deduct any underpayments, credit any overpayments, and charge all required extension of time fees associated with the attached filing to Deposit Account Number 50-1801.

Park, Vaughan, Fleming & Dowler LLP
2820 Fifth Street
Davis, CA 95618-7759
Tel: (530) 759-1660
Fax: (530) 759-1665
Email: dan@parklegal.com

Respectfully submitted,

By: 

Daniel E. Vaughan
Registration No. 42,199

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number: 15/089,098

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY FEE($)
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), (i), 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))	23 minus 20 =	* 3	x 40 =	120	OR		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	3 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	850		TOTAL	

APPLICATION AS AMENDED - PART II

		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY ADDITIONAL FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE($)
AMENDMENT A	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))									
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY ADDITIONAL FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE($)
AMENDMENT B	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))									
	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.

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 NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
15/089,098	04/01/2016	2652	850	WB-045	23	3

CONFIRMATION NO. 1045

22200
PARK, VAUGHAN, FLEMING & DOWLER LLP
2820 FIFTH STREET
DAVIS, CA 95618

FILING RECEIPT

OC000000082249149

Date Mailed: 04/19/2016

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)

Wendell D. Brown, Henderson, NV;

Applicant(s)

Wendell D. Brown, Henderson, NV;

Power of Attorney: None

Domestic Priority data as claimed by applicant

This application is a CIP of 14/951,351 11/24/2015
which is a CIP of 14/327,325 07/09/2014 PAT 9270820
which is a CON of 14/041,879 09/30/2013 PAT 8804930
which is a CON of 12/563,112 09/18/2009 PAT 8577000
which claims benefit of 61/167,105 04/06/2009

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.

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: No

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

If Required, Foreign Filing License Granted: 04/15/2016

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 15/089,098**

Projected Publication Date: 07/28/2016

Non-Publication Request: No

Early Publication Request: No
**** SMALL ENTITY ****
Title

METHOD AND APPARATUS FOR CONTENT PRESENTATION IN ASSOCIATION WITH A COMMUNICATION CONNECTION

Preliminary Class

379

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 AssetsControl, 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.

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
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	15089098
Filing Date	2016-04-01
First Named Inventor	Wendell D. Brown
Art Unit	
Examiner Name	
Attorney Docket Number	WB-045

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	6553115	B1	2003-04-22	Alexander Mashinsky	
	2	8073118		2011-12-06	Sterman, Baruch	
	3	6621899		2003-09-16	Dezonno et al.	
	4	8081751		2001-12-20	Martin et al.	
	5	8234167		2012-07-31	Civanlar et al.	
	6	6493437		2002-12-10	Olshansky, Robert	
	7	6497531		2005-09-20	Lewis et al.	
	8	8086488		2011-12-27	Lui, David Wanqian	

EFS Web 2.1.17

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	15089098
	Filing Date	2016-04-01
	First Named Inventor	Wendell D. Brown
	Art Unit	
	Examiner Name	
	Attorney Docket Number	WB-045

	9	7120235		2006-10-10	Altberg et al.	
	10	6977993		2005-12-20	Starbuck et al.	
	11	7991894		2011-08-02	Koskelainen, Petri	
	12	7450704		2008-11-11	Lund, Arnold M.	
	13	6271950		2001-08-07	Hansen et al.	
	14	6728353		2004-04-27	Espejo et al.	
	15	6856673	B1	2005-02-15	Diane Banks	
	16	8107600	B1	2012-01-31	Sean P. O'keeffe	
	17	8639214	B1	2014-01-28	Iwao Fujisaki	

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

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

EFS Web 2.1.17

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	15089098
	Filing Date	2016-04-01
	First Named Inventor	Wendell D. Brown
	Art Unit	
	Examiner Name	
	Attorney Docket Number	WB-045

	1	20040196868		2004-10-07	Neal J. King	
	2	20070162296		2007-07-12	Altberg et al.	
	3	20070030338	A1	2007-02-08	Yue Jun Jiang	
	4	20070118592	A1	2007-05-24	Michael Bachenberg	
	5	20070140446	A1	2007-06-21	Randolph M. Haldeman	
	6	20080221985	A1	2008-09-04	Seyhan Civanlar	

If you wish to add additional U.S. Published Application citation information please click the Add button. Add

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button Add

NON-PATENT LITERATURE DOCUMENTS Remove

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]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	15089098
	Filing Date	2016-04-01
	First Named Inventor	Wendell D. Brown
	Art Unit	
	Examiner Name	
	Attorney Docket Number	WB-045

	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.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	15089098
	Filing Date	2016-04-01
	First Named Inventor	Wendell D. Brown
	Art Unit	
	Examiner Name	
	Attorney Docket Number	WB-045

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.

Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

None

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	/A. Richard Park/	Date (YYYY-MM-DD)	2016-04-15
Name/Print	A. Richard Park	Registration Number	41,241

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

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 record s.

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.

Attorney Docket No.: WB-045

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

Inventor:	Wendell D. Brown
Title:	METHOD AND APPARATUS FOR CONTENT PRESENTATION IN ASSOCIATION WITH A TELEPHONE COMMUNICATION CONNECTION
Filing Date:	01 April 2016
Serial Number:	15/089,098 **Confirmation Number:** 1045
Group Art Unit:	Unassigned
Examiner:	Unassigned

Listed below or on an attached Form PTO/SB/08a is information known to applicant(s) and submitted pursuant to 37 C.F.R. §1.56. A copy of each listed publication and foreign patent, except for pending U.S. Patents and published U.S. Applications, is being submitted herewith, along with a concise explanation of information in a foreign language, if any, pursuant to 37 C.F.R. §1.97-1.98.

Applicants respectfully request that the listed information be considered by the Examiner and be made of record in the above-identified application. If form PTO/SB/08a is enclosed, the Examiner is requested to initial and return it in accordance with MPEP §609.

This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in §1.56.

_X_ This statement qualifies under 37 C.F.R. §1.97, subsection (b) because (check all that apply):

_X_ (1) It is being filed within 3 months of the application filing date.

-- OR --

___ (2) It is being filed within 3 months of entry of a national stage.

-- OR --

_X_ (3) It is being filed before the mail date of the first Office Action on the merits.

-- OR --

___ (4) It is being filed before the mail date of a first Office action after the filing of a request for continued examination under 37 C.F.R. §1.114.

___ This statement qualifies under 37 C.F.R. §1.97, subsection (c), because this statement is being filed after the latest of: (1) three months beyond the filing date of a national application; (2) three months beyond the date of entry of the national stage as set forth in §1.491 in an international application; (3) the mailing date of a first Office action on the merits; or (4) the mail date of a first Office action after the filing of a request for continued examination, but before the mailing date of the earlier of a final office action

Page 218 of 327 (IPR2026-00255)
Cisco Systems, Inc. v. Vusura Technology LLC

under §1.113, a notice of allowance under §1.311, or an action that otherwise closes prosecution in the application, and this statement is accompanied by one of:

___ a certification as specified in §1.97(e) is provided below; **or**

__ a fee of $180.00 as set forth in §1.17(p) is authorized below, enclosed, or included with the payment of other papers filed together with this statement.

__ This statement qualifies under 37 C.F.R. §1.97, subsection (d), because this statement is being filed after the mailing date of the earlier of a final office action under §1.113, a notice of allowance under §1.311, or an action that otherwise closes prosecution, but is filed on or before payment of the issue fee, and this statement is accompanied by:

__ a certification as specified in §1.97(e) is completed below; **and**

__ a fee of $180.00 as set forth in §1.17(p) is authorized below, enclosed, or included with the payment of other papers filed together with this statement.

__ This statement is being filed after the payment of the issue fee but before issuance of the patent.

__ Statement under 37 C.F.R. □1.97(e) - I hereby certify that either:

(1) 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; or

(2) 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 § 1.56(c) more than three months prior to the filing of the information disclosure statement.

Signature: _____

Respectfully submitted,

By: ___/A. Richard Park/_____
A. Richard Park
Reg. No. 41,241

PARK, VAUGHAN, FLEMING and DOWLER LLP
2820 Fifth Street
Davis, CA 95618-7759
Tel: (530) 759-1660
Fax: (530) 759-1665
Email: richard@parklegal.com
Date: 15 April 2016

Page 219 of 327 (IPR2026-00255)
Cisco Systems, Inc. v. Vusura Technology LLC

Electronic Acknowledgement Receipt

EFS ID:	25504093
Application Number:	15089098
International Application Number:	
Confirmation Number:	1045
Title of Invention:	METHOD AND APPARATUS FOR CONTENT PRESENTATION IN ASSOCIATION WITH A COMMUNICATION CONNECTION
First Named Inventor/Applicant Name:	Wendell D. Brown
Customer Number:	22200
Filer:	A.Richard Park
Filer Authorized By:	
Attorney Docket Number:	WB-045
Receipt Date:	15-APR-2016
Filing Date:	
Time Stamp:	14:07:23
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	Miscellaneous Incoming Letter	Authorization-deposit-account_DEV.pdf	70241 9359715042fbc4349bec73924e8fc6edd0c39d59	no	1

Warnings:	
Information:	

2	Information Disclosure Statement (IDS) Form (SB08)	IDS_Form__SB_08a.pdf	612892 4a9256c0ebd2c0d43b5303480881c1565d312adb	no	6
Warnings:					
Information:					
3	Transmittal Letter	IDS_Certification_Statement.pdf	31681 e15b3d8c00a04db24cab04ed825dc47a7888be84	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	714814		

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.

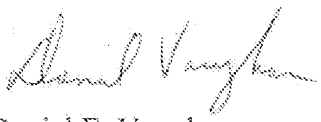
New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application 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.

AUTHORIZATION TO DEDUCT ANY UNDERPAYMENTS OR CREDIT ANY OVERPAYMENTS TO DEPOSIT ACCOUNT 50-1801

Please deduct any underpayments, credit any overpayments, and charge all required extension of time fees associated with the attached filing to Deposit Account Number 50-1801.

Park, Vaughan, Fleming & Dowler LLP
2820 Fifth Street
Davis, CA 95618-7759
Tel: (530) 759-1660
Fax: (530) 759-1665
Email: dan@parklegal.com

Respectfully submitted,

By: 

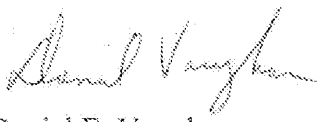
Daniel E. Vaughan
Registration No. 42,199

AUTHORIZATION TO DEDUCT ANY UNDERPAYMENTS OR CREDIT ANY OVERPAYMENTS TO DEPOSIT ACCOUNT 50-1801

Please deduct any underpayments, credit any overpayments, and charge all required extension of time fees associated with the attached filing to Deposit Account Number 50-1801.

Park, Vaughan, Fleming & Dowler LLP
2820 Fifth Street
Davis, CA 95618-7759
Tel: (530) 759-1660
Fax: (530) 759-1665
Email: dan@parklegal.com

Respectfully submitted,

By: 

Daniel E. Vaughan
Registration No. 42,199

PTO/AIA/14 (12-13)
Approved for use through 04/30/2017. OMB 0651-0032
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.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	WB-045
	Application Number	
Title of Invention	METHOD AND APPARATUS FOR CONTENT PRESENTATION IN ASSOCIATION WITH A COMMUNICATION CONNECTION	

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.)

Inventor Information:

Inventor 1 — Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Wendell	D.	Brown	

Residence Information (Select One) ● US Residency Non US Residency Active US Military Service

City	State/Province	Country of Residence
Henderson	NV	US

Mailing Address of Inventor:

Address 1	2654 West Horizon Ridge Parkway #B5-229
Address 2	

City	State/Province	Postal Code	Country
Henderson	NV	89052	US

All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the **Add** button. Add

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below.
For further information see 37 CFR 1.33(a).

☐ **An Address is being provided for the correspondence Information of this application.**

Customer Number	22200		
Email Address	dan@parklegal.com	Add Email	Remove Email

Application Information:

Title of the Invention	METHOD AND APPARATUS FOR CONTENT PRESENTATION IN ASSOCIATION WITH A COMMUNICATION CONNECTION		
Attorney Docket Number	WB-045	Small Entity Status Claimed	☒
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	15	Suggested Figure for Publication (if any)	

Filing By Reference :

PTO/AIA/14 (12-13)
Approved for use through 04/30/2017. OMB 0651-0032
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.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	WB-045
	Application Number	
Title of Invention	METHOD AND APPARATUS FOR CONTENT PRESENTATION IN ASSOCIATION WITH A COMMUNICATION CONNECTION	

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

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.

Representative Information:

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.

Please Select One:	● Customer Number	US Patent Practitioner	○ Limited Recognition (37 CFR 11.9)
Customer Number	22200		

Domestic Benefit/National Stage Information:

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.
When referring to the current application, please leave the application number blank.

Prior Application Status	Pending		Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
	Continuation in part of	14951351	2015-11-24
Prior Application Status	Patented		Remove

Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
14951351	Continuation in part of	14327325	2014-07-09	9270820	2016-02-23

Prior Application Status	Patented	Remove

PTO/AIA/14 (12-13)
Approved for use through 04/30/2017. OMB 0651-0032
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.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	WB-045
	Application Number	
Title of Invention	METHOD AND APPARATUS FOR CONTENT PRESENTATION IN ASSOCIATION WITH A COMMUNICATION CONNECTION	

Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
14327325	Continuation of	14041879	2013-09-30	8804930	2014-08-12
Prior Application Status	Patented			Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
14041879	Continuation of	12563112	2009-09-18	8577000	2013-11-05
Prior Application Status	Expired			Remove	

Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
12563112	Claims benefit of provisional	61167105	2009-04-06

Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button. Add

Foreign Priority Information:

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)[i] 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).

Remove

Application Number	Country[i]	Filing Date (YYYY-MM-DD)	Access Code[i] (if applicable)

Additional Foreign Priority Data may be generated within this form by selecting the **Add** button. Add

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.
NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

PTO/AIA/14 (12-13)
Approved for use through 04/30/2017. OMB 0651-0032
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.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	WB-045
	Application Number	
Title of Invention	METHOD AND APPARATUS FOR CONTENT PRESENTATION IN ASSOCIATION WITH A COMMUNICATION CONNECTION	

Authorization to Permit Access:

☒ Authorization to Permit Access to the Instant Application by the Participating Offices

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the instant patent application is filed access to the instant patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the instant patent application is filed to have access to the instant patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the instant patent application with respect to: 1) the instant patent application-as-filed; 2) any foreign application to which the instant patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the instant patent application; and 3) any U.S. application-as-filed from which benefit is sought in the instant patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date o f filing this Authorization.

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Applicant 1 Remove

If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.

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	

If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:

Name of the Deceased or Legally Incapacitated Inventor :

If the Applicant is an Organization check here. ☐

Prefix	**Given Name**	Middle Name	**Family Name**	Suffix

PTO/AIA/14 (12-13)
Approved for use through 04/30/2017. OMB 0651-0032
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.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	WB-045
	Application Number	
Title of Invention	METHOD AND APPARATUS FOR CONTENT PRESENTATION IN ASSOCIATION WITH A COMMUNICATION CONNECTION	

Mailing Address Information For Applicant:			
Address 1			
Address 2			
City		**State/Province**	
Country		Postal Code	
Phone Number		Fax Number	
Email Address			

Additional Applicant Data may be generated within this form by selecting the Add button. Add

Assignee Information including Non-Applicant Assignee Information:

Providing assignment information in this section does not subsitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Assignee 1

Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication . An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.

Remove

If the Assignee or Non-Applicant Assignee is an Organization check here. ☐

Prefix	**Given Name**	Middle Name	**Family Name**	Suffix

Mailing Address Information For Assignee including Non-Applicant Assignee:			
Address 1			
Address 2			
City		**State/Province**	
Country		Postal Code	
Phone Number		Fax Number	
Email Address			

Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button. Add

PTO/AIA/14 (12-13)
Approved for use through 04/30/2017. OMB 0651-0032
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.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	WB-045
	Application Number	
Title of Invention	METHOD AND APPARATUS FOR CONTENT PRESENTATION IN ASSOCIATION WITH A COMMUNICATION CONNECTION	

Signature:

Remove

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

Signature	/Daniel E. Vaughan/			Date (YYYY-MM-DD)	2016-04-01
First Name	Daniel E.	Last Name	Vaughan	Registration Number	42199

Additional Signature may be generated within this form by selecting the Add button. Add

This collection of information is required by 37 CFR 1.76. 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 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet 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

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).

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 C o o p eration 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.

PATENT APPLICATION

METHOD AND APPARATUS FOR CONTENT PRESENTATION IN ASSOCIATION WITH A COMMUNICATION CONNECTION

Inventor: Wendell D. Brown

Related Applications

[0001] This application is a continuation-in-part of U.S. Patent Application No. 14/951,351, filed November 24, 2015 (the '351 application). The '351 application (docket WB-019C1C3.CIP1) is a continuation-in-part of U.S. Patent Application No. 14/327,325, filed July 9, 2014 and issued February 23, 2016 as U.S. Patent No. 9,270,820 (the '325 application). The '325 application is a continuation of U.S. Patent Application No. 14/041,879, filed September 30, 2013 and issued August 12, 2014 as U.S. Patent No. 8,804,930 (the '879 application). The '879 application is a continuation of U.S. Patent Application No. 12/563,112, filed September 18, 2009 and issued November 5, 2013 as U.S. Patent No. 8,577,000 (the '112 application). The '112 application claims priority to U.S. Provisional Application No. 61/167,105, filed April 6, 2009. The preceding patents, patent applications, and provisional application are incorporated herein by reference.

BACKGROUND

[0002] This invention relates to the fields of telecommunications and computer systems. More particularly, a method and apparatus are provided for presenting content to a caller and/or a called party before, during and/or after a communication session (e.g., a telephone call) between the parties.

[0003] Calls from or to a mobile telephone are typically accompanied by minimal display content. For example, when placing a call, the caller may simply see a dialer screen used to enter a telephone number, or to select a number or contact to be dialed. When receiving a call, a called party may see the caller's telephone number (or some other display if the number is blocked or unknown) or a name of the caller (if the caller's telephone number is stored in the called party's contacts), but little else.

[0004] Although this minimal information may be sufficient for the basic purpose of identifying who is being called or who has originated a call, it fails to deliver the type of multimedia experience many people have come to expect in the electronic age. Just as computer systems have evolved from textual operating systems (e.g., DOS or Disk Operating System) to complex graphical operating systems (e.g., iOS®, Android™, Microsoft Windows®), the display capabilities of mobile telephones have evolved in a similar manner.

[0005] Although mobile telephone applications that operate independently of telephone calls have been developed to take advantage of the telephones' richer display capabilities, such as offline games, photography and GPS (Global Positioning System) navigation, applications that make and receive calls or that operate during a call have not. Therefore, there is a need for methods and apparatuses for enriching the experience of a person making or receiving a call.

SUMMARY

[0006] In some embodiments, a method and apparatus are provided for presenting content to a caller and/or a called party in association with a telephone call or other communication connection. In these embodiments, content may be presented pre-ring (e.g., before the called party's telephone rings), in-call (e.g., during the call) and/or post-call (e.g., after one or both parties have hung up).

[0007] Content presented to a party may be related to that party, another party participating in the call (or other communication connection), or a third party (e.g., an advertiser that paid to have its content presented). Thus, rights to present content to parties engaging in a call may be auctioned to various advertisers and other organizations, and a party to a call may receive content that is or is not associated with any purpose or party to the call.

[0008] In some embodiments, presented content may be actuable (i.e., include one or more actuable controls), to allow a caller to change the destination or routing of a call, add or remove a party to/from the call, take advantage of an offer presented to him in the content, redeem a coupon, schedule or queue a subsequent call, respond to a query from another party, initiate some other desired action, etc.

[0009] In some embodiments, a person's ability to search for a desired destination party's contact information (e.g., telephone number) or to initiate a call to the party without knowing its number is greatly enhanced. In these embodiments, the person may initiate a direct or indirect search of any number of contact lists, telephone directories, and/or other databases, including lists maintained on his device and/or off his device – such as at a central call server or a third party repository.

[0010] Such a search may be conducted via keyword, so that as the person enters characters describing the target destination (e.g., by name, by category), the search is automatically updated and narrowed as the characters are entered. Results of a search may be filtered or prioritized based on the person's profile (e.g., with contacts known to that person having relatively high priority) and/or by a general profile (e.g., based on which numbers/contacts have been used most often or most recently by other people that conducted similar searches, and/or with respect to some other relevant or measurable attribute).

[0011] In some embodiments, one party to a call (e.g., the caller or a called party) provides some type of assistance to another party, regarding

operation of the other party's communication device, operation of a program executing on the other party's communication device, obtaining a good or service, repairing or maintaining a good, supporting a service, making a diagnosis, retrieving desired information, or performing some other action or pertaining to some other subject matter. The one party may be associated with a particular organization (e.g., an organization that sold or that supports the device, a retail or wholesale organization), or may be a provider of concierge-type services, assisted shopping, or some other service to any number of other parties.

[0012] In association with the one party's assistance to the other party, the other party may be required to provide and/or confirm information regarding payment (e.g., for the one party's assistance, for a good or service or information that was ordered or obtained), such as a payment mechanism (e.g., a credit card, an electronic wallet), an account number, and so on. The other party's satisfaction of a payment requirement may be completed before, during, and/or after a related call, or may be performed as a separate event not associated with a particular communication connection. A "payment" may be a traditional form of payment using currency (including virtual currency and/or cryptocurrency), a credit/debit device (e.g., credit card, debit card), or a prepaid account, and/or may involve barter, exchange, equity, debt, or other type of legal transaction.

[0013] In some embodiments, real-time call control is applied when the communication connection is a telephone call from a caller (e.g., a private individual) to an organization represented by multiple agents. The call's control channel is diverted to a call controller, call server, or other entity, which determines a suitable termination point (e.g., a particular agent) for the call, and the call's voice channel is routed accordingly. During the agent's conversation with the caller, the agent may employ a data connection that allows the agent to obtain information from the call controller and/or other sources, regarding the caller, a transaction conducted with the caller, a good or service desired by the caller, a complaint from the caller, etc.

[0014] In some embodiments, a suitable agent or representative for engaging in a communication connection (e.g., a telephone call) is selected based on characteristics of the agent, the agent's employer/organization, and/or another party to the connection (e.g., language, gender, location), and possibly a topic of their communication (e.g., a particular good or service, information desired by the other party). Selection of the agent may occur as part of a method of providing real-time call control.

DESCRIPTION OF THE FIGURES

[0015] FIG. 1 is a block diagram of a communication environment in which some embodiments described herein may be implemented.

[0016] FIG. 2 is a block diagram demonstrating establishment of a telephone call and associated presentation of content, according to some embodiments.

[0017] FIGs. 3-8 demonstrate content that may be presented on a communication device of a caller and/or a called party before, during and/or after a telephone call, according to some embodiments.

[0018] FIG. 9 is a flow diagram demonstrating the presentation of content to a caller and/or a called party in association with a telephone call, according to some embodiments.

[0019] FIG. 10 is a flow diagram demonstrating the presentation of content to a caller in association with a telephone call, according to some embodiments.

[0020] FIG. 11 is a block diagram of hardware apparatus for facilitating presentation of content in association with a telephone call, according to some embodiments.

[0021] FIG. 12 is a block diagram of a call server for facilitating presentation of content in association with a telephone call, according to some embodiments.

[0022] FIG. 13 depicts the collection of payment information from a payor, according to some embodiments.

[0023] FIG. 14 depicts control of a telephone call in real-time or near real-time, according to some embodiments.

[0024] FIG. 15 is a flow chart demonstrating a method of performing real-time call control, with selection of a suitable agent, according to some embodiments.

DETAILED DESCRIPTION

[0025] The following description is presented to enable any person skilled in the art to make and use the embodiments disclosed herein, and is provided in the context of one or more applications and their requirements. Various modifications will be readily apparent to those skilled in the art, and the general principles defined herein may be applied to other embodiments and applications without departing from the scope of the following description. Thus, the embodiments provided here are to be accorded the widest scope consistent with the principles and features disclosed herein.

Introduction

[0026] In some embodiments, a method and apparatus are provided for presenting content before, during and/or after a telephone call or other communication connection. The call or communication connection is not limited to only two parties. For example, it may be a group call or chat involving three or more parties.

[0027] The content is displayed on a device that initiates or receives the call or connection, if the device's display is capable of displaying rich content; otherwise, it may be displayed on an associated computing device. In these embodiments, the displayed content may be selected based on an identity or a characteristic of the caller or the called party, may be relevant to a purpose or

nature of the call, or may be selected by an entity that paid to have the selected content presented.

[0028] For example, for a telephone call between friends or acquaintances, a caller or called party may be presented with content drawn from a social media or other distributed electronic presence of the other party (e.g., Twitter™, Skype®, Snapchat®, Instagram®, WhatsApp®, LinkedIn®, MySpace®, Facebook®, Flickr®, Google+™, Google Voice™, Apple iMessage®, Flickr®) or from private storage (e.g., the friend's computing device). Or, he may be shown recent electronic mail, other communication(s) involving the friend (e.g., his or her latest tweet on Twitter), or other content the friend is willing to share. In some embodiments, people may assemble content for the specific purpose of having it presented to another party in association with a telephone call or other communication connection.

[0029] For a telephone call with an organization (e.g., a merchant, a business), an advertisement or special offer from that entity (or from an associate or a competitor of that entity) may be presented (e.g., a video ad, a social media ad, a Google AdSense ad™, a yellow page ad), or a menu or list of services, directions or location information, information regarding a current or recent transaction, etc.

[0030] Content presented before, during, and/or after a telephone call may be accompanied by one or more controls for taking action, such as seeing more content, navigating to a particular web page or web site, downloading content, ordering a good or service, adding another party to the call, re-routing or aborting the call in favor of a different destination, sharing the content displayed on one party's device (or some other content) with another party, terminating the sharing or presentation of content, or initiating other action enabled by the content.

[0031] As used herein, a "service" related to content presented to a party (e.g., a service ordered by a caller) is intended to encompass not only

Page 237 of 327 (IPR2026-00255)
Cisco Systems, Inc. v. Vusura Technology LLC

repetitive activity (e.g., a subscription to a publication or information feed, telephone service, or some other utility), but also single or individual activities or solutions as well as a combination of a single activity and repeated activities. For example, some illustrative services include diagnosing a problem from an image or video of mechanical or electrical equipment (e.g., an engine, a computer), making a medical diagnosis from a suitable image (e.g., an image generated using radiography, Magnetic Resonance Imaging or MRI, ultrasound, tomography, or thermography), providing input to a 3-D printer, and analyzing a video or image of a scene (e.g., a crime scene, a crowd of faces, a view from an unattended camera in a natural habitat). A service may also, or instead, involve identifying or proposing one or more solutions to a specified problem or a condition depicted in an image or video.

[0032] Determination of what content to present to a party is made by a call controller. In embodiments described herein, a controller for a particular telephone connection may be the caller, a called party, a call center configured to process content in association with a telephone call, or some other third party. The decision of what to present may be made in real-time, or may be pre-determined.

[0033] For example, a commercial message (e.g., an advertisement, an offer) may be pre-selected for presentation to some number of callers to a particular telephone number. Merchants or other organizations may pay for the opportunity to have their selected content presented to a caller or called party, even if the paying organization is not a party to the call.

[0034] In some embodiments, content selected by one party for presentation to another party before, during, and/or after a call between the parties may include some or all content presented (e.g., displayed, played) on the one party's communication device. For example, the one party may share his or her display, or a portion of the display (e.g., one window), so that both parties can mutually enjoy the content. Also, or instead, either party may assist the other

with manipulation or understanding of the content or an associated application, make recommendations regarding the content (e.g., which of multiple products or services to purchase), assist with directions to a destination, etc.

[0035] During the sharing of content, the shared content may be manipulated (e.g., to select menu options, to browse or co-browse), annotated, highlighted, or otherwise affected by either or both parties. Thus, one party may highlight for the other which controls or menu options to actuate in order to achieve a particular goal, may actuate those controls for the other party, may make notations or marks on the content, may overlay the other party's display with other content (e.g., to provide a sample view of the result of actuating a particular control), may browse to additional content, etc.

[0036] As indicated above, embodiments are not limited to communication connections or content-sharing involving only two parties. Thus, content may be selected by one party for presentation to multiple other parties, or vice versa, multiple parties may observe or share content presented (or residing) on one party's device, and so on. Also, a given party participating in a communication connection may be an individual or (a representative of) an organization, and different parties may select content to be presented or shared, and/or control the presentation/sharing of the content, at different times.

[0037] Although some terms used herein reflect telephonic communications, such as "caller," "called party," "telephone," "call," "pre-ring," "in-call," and "post-call," one of ordinary skill in the art will appreciate that methods of presenting content (or controlling presentation of content) in association with other types of communication connections (e.g., chat sessions, group chat sessions, video calls) are also within the scope of this disclosure. Terms encountered herein thus have different connotations depending on the types of communications being conducted.

Content Presentation in Association with a Telephone Call

[0038] FIG. 1 is a diagram of a communication environment in which content may be presented in association with a telephone call, according to some embodiments. In FIG. 1, caller telephone or device 110 is used to place a call to a called party at called party telephone or device 150. Call server 130 acts as a call controller to manage the presentation of content on the caller's device or telephone and/or the called party's device or telephone in association with the call.

[0039] In FIG. 1, each telephone is capable of supporting parallel data and voice channels. A voice channel between caller telephone 110 and called party telephone 150 may be established through the PSTN (Public Switched Telephone Network), one or more telephone carrier's networks, other public/private networks such as the Internet (e.g., for VoIP calls), etc. Specifically, a telephone or other electronic/communication device described herein as participating in a communication connection (e.g., a call) supports traditional telephone connections (e.g., through POTS or Plain Old Telephone System) and/or digital telephony (e.g., VoIP). In illustrative embodiments, a party's communication device may be a smartphone, a tablet, or other mobile (or stationary) device having telephony capability.

[0040] Data channels to/from a party's telephone may be established using EvDO (Evolution Data Optimized or Evolution Data Only), UMTS (Universal Mobile Telecommunications System), HSDPA (High-Speed Downlink Packet Access or High-Speed Downlink Protocol Access), LTE (Long Term Evolution), VoLTE (Voice over LTE), and/or other communication protocols and links capable of carrying digital data. The data channels are routed via call server 130, and are used to convey content to the telephones and to convey other data to the call server as necessary (e.g., to upload data from a telephone, activate a control within presented content).

[0041] Caller telephone 110 hosts any number of applications, applets, plug-ins, or other collections of executable program code. Illustrative code that may be installed on the caller telephone includes browser 112 for presenting and navigating content, one or more other applications in addition to browser 112 (e.g., a game, a chat utility), call processor 114 (e.g., a dialer application) for processing an outgoing or incoming call, and optional block/allow list 116.

[0042] Call processor 114 comprises logic for detecting and/or controlling telephone events (e.g., dialing of a number, outgoing call ringing, incoming call ringing, outgoing or incoming call connected) and for using the data channel to receive content to be presented and to submit data to the call server and/or other destination (e.g., another party to the call). Call processor 114 may comprise logic that hooks into a telephone dialer application and can control how a call is handled. Or, the call processor may comprise logic that replaces or supersedes a device's native dialer application.

[0043] In some embodiments, call processor 114 may delay signaling of a voice call from caller telephone 110 to the caller's telephone service provider, in order to delay establishment of the voice channel. The call processor may do this automatically or based on instructions from the call server. Similarly, ringing at a called party's telephone may be delayed.

[0044] For example, calls placed to certain numbers or to certain types of parties (e.g., merchants, other organizations) may be delayed while content is selected and transmitted to the caller's telephone and/or a device operated by the called party. A timer may be displayed on the telephone and/or the caller may be able to terminate the delay and make the call proceed immediately. Thus, a delay may be fixed or may be aborted by the affected party.

[0045] A call processor may also comprise logic for performing keyword-based lookups, or may be configured to invoke similar logic that executes separate from the call processor. For example, when a caller enters part (or all) of the name of a person or organization that she wishes to call (or a partial

telephone number), the keyword logic will search the called party's telephone for matching contacts.

[0046] The call processor, or other logic, may also contact a central location (e.g., call server 130) to initiate a keyword-based search on a larger telephone directory. Thus, a search for a destination party may be automatically conducted on the caller's telephone and/or off the device at a central location (e.g., call server 130) or a third party directory. As the caller enters additional characters, the search results are narrowed accordingly, and may be prioritized based on the caller's previous interaction with some of the contacts, based on which destination parties other callers selected in similar searches, based on the caller's present location, based on fees paid by merchants for priority listing, etc.

[0047] Other software may be installed on a party's communication device to alter or enhance the presentation of media. For example, a set of APIs (Application Programming Interfaces) may be provided to allow injection of particular types of content. The APIs may be used to facilitate presentation of content in association with a telephone call and/or without any association with a telephone call. However, in some embodiments, a person's communication device need not be modified in any way in order to receive and display content before, during, and/or after a call.

[0048] In the illustrated embodiments, caller telephone 110 (and/or call server 130) automatically blocks or rejects calls attempted between telephone 110 and telephone numbers (and/or people and organizations) identified in a block list. Additionally, or alternatively, an allow list may be maintained to specifically identify telephone numbers with which caller telephone 110 is permitted to be connected (e.g., all entries in a contact list or telephone directory maintained on a party's telephone). In yet other embodiments, a single combined block/allow list may be maintained to identify target telephone numbers and indicate whether calls with those numbers are blocked or allowed. A list of allowed and/or blocked telephone numbers or other identifiers of destination parties (e.g., screen names,

chat handles, IP addresses, URLs) may be limited or expanded based on parameters such as the location of the caller and/or a called party, current time (e.g., at the caller's or called party's location), available communication bandwidth, and so on.

[0049] Block/allow lists may be maintained on a user's telephone and/or at a call controller or call server. A block/allow list maintained on telephone 110 (i.e., block/allow list 116) may be considered a "local" list, while a list maintained on a call controller (e.g., block/allow list 132) may be considered a "central" or "global" list.

[0050] In some embodiments, a block/allow list (or other filter) may be used to screen calls to/from malicious telephone numbers or entities. For example, calls received from telephone numbers known to be associated with telemarketers, spammers (e.g., entities that spam via SMS or Short Messaging Service), pranksters and/or other undesirables may be blocked automatically (or after querying the called party to identify the call as possibly or certainly being from an undesired party).

[0051] Illustratively, a global list may be maintained to identify telemarketers and spammers, especially those that call nationally or regionally. A local list may be maintained to block calls from pranksters, people who have made harassing calls and/or other parties from whom calls are not desired.

[0052] A called party may identify a caller as malicious (or, alternatively, not malicious) during or after a telephone call from that caller, by activating a control on her telephone. For example, during or after a call from a previously unknown caller, content may be presented to the called party to ask her if the caller is a telemarketer or harasser (or should otherwise be blocked), or if the caller should be added to her contact list. Choosing to add a previously unknown party or number to her contact list may cause the call server to interrogate the caller's telephone or other data source to retrieve a contact card, if one has been prepared for sharing.

[0053] In some embodiments, caller device 110 may include additional components or executable code for performing other functions, without exceeding the scope of the present disclosure. For example, a telephone may also include one or more storage components for storing, among other things, contacts, user preferences, content to be presented on the telephone or to be transmitted to another party for presentation on their device, etc.

[0054] Locally stored content may be quickly presented to a user without having to wait for receipt of the content from call controller 130. Such stored content may be selected for storage and/or presentation randomly, based on an identity of the a party or parties within a contact list stored on the telephone, according to an agreement with a third party (e.g., an advertiser) and the call server or call controller, etc.

[0055] Called party telephone/device 150 may be configured similarly to caller telephone/device 110 (e.g., with a browser, a call processor, a block/allow list). In some embodiments, when a call is being initiated from caller telephone 110 to called party telephone 150, call server 130 may query the called party's telephone to determine if it possesses any content that the called party would like to have presented to the caller. Such content may then be transferred before, during, and/or after the call. Similarly, content from caller telephone 110 may be copied to called party telephone 150.

[0056] When a user's telephone is unable to display content chosen for presentation to that user in association with a telephone call, the content may instead be presented via a different device.

[0057] For example, and as shown in FIG. 1, a called party (or a caller) may operate an associated computing device (e.g., a desktop computer, a laptop computer, a personal digital assistant, a netbook computer). The computing device may be registered with a call controller (e.g., call server 130) before or during a call (e.g., by IP address or other network address).

[0058] When the call controller determines that it cannot present pre-ring, in-call, and/or post-call content on called party telephone 150, it will instead transmit it to the associated computing device. The call controller may determine that it cannot send content to telephone 150 based on the type of telephone or the telephone number (e.g., a landline), because the telephone connection lacks a data channel, because the device is registered in the called party's user profile, etc.

[0059] A party's associated computing device may be coupled to call server 130 by a network connection that traverses one or more public or private data networks (e.g., the Internet, an intranet). To register a computing device, a party may operate the computing device to navigate a browser to a registration site or page. There, the party may identify one or more telephone numbers and associate them with the computing device so that when a call is placed to or from one of the telephone numbers, content will be delivered to the computing device instead of the telephone.

[0060] Call server 130 comprises central or global block/allow list 132 for screening a call to determine whether it should be placed and/or whether content should be presented in association with the call. The call server also includes media selection logic 134 for selecting content to be displayed on a caller's or called party's communication or computing device. Call processor 136 is configured to receive or establish data (and/or voice) channels with caller telephone 110 and/or called party telephone 150 via virtually any data protocol and media.

[0061] Central call processor 136 (or some other component of call server 130) may thus incorporate some or all functionality of a local call processor (e.g., call processor 114), to support or enable delayed establishment of calls and/or other communication connections between devices, to perform lookups of contacts, to screen calls with a block/allow list (e.g., list 132), to select content to be presented on one or more devices (e.g., using logic 134), to transmit content to be presented on a device, etc.

[0062] Database(s) 140 are configured to store data regarding subscribers and their communication/computing devices, content that may be presented on such devices, information regarding advertisers and/or other third parties that may provide content, factors for determining or selecting content to be presented for a particular call, etc. Call server 130 may also expose various APIs (Application Programming Interfaces) to allow third parties to provide media for presentation in association with a telephone call, and/or other logic for retrieving or obtaining such content from a third party.

[0063] A call server or call controller according to other embodiments may be configured to perform a subset or a superset of the operations described herein, and therefore may include fewer or additional components. Call server 130 is an example of a third party call controller – that is, a controller that is not operated by the caller or a called party. Illustratively, call server 130 may be operated by a telephone service provider, a data management service, a directory service, or some other entity with which the caller and/or called party (or their service providers) have established agreements.

[0064] In other embodiments, a call controller may be operated by a caller or called party, particularly when that party represents an organization. Thus, a call to or from a commercial enterprise may be controlled by an agent of that enterprise (e.g., a telephone agent or operator, a sales agent, a customer service representative, a technical support representative, a concierge). That agent can select content for presentation on the other party's communication device based on a purpose of the call, a previous or current transaction between the parties, an offer being made to the other party, etc. Or, such content may be selected automatically, based on whether the organization has a pre-existing relationship with the caller (e.g., whether the caller's telephone number is known), which of multiple telephone numbers of the organization the caller called, etc.

[0065] In some embodiments, a call controller, call server, or associated entity may auction or directly sell a right to have content presented to callers and/or called parties. For example, an entity that operates a call server may auction the right to present content to callers that dial a particular organization (e.g., a commercial company) or that are called by the organization. The winner may be the same organization, a competitor, or an unrelated party.

[0066] Or, an entity that operates a call server may auction content presentation rights based on identities or demographics of private callers and calling parties. Thus, content presented to a party may be selected based on his current location, as reported by a GPS (Global Positioning System) element of his communication device, his country code (if applicable), his area code, his telephone exchange or number, his city, his type of communication device, his telephone service provider, and so on. For example, a content provider may be a vendor of goods or services and may have purchased the ability to have content presented to callers who place calls while they are within some predetermined distance of the content provider.

[0067] Content presented on a communication device may fill the area of the target party's telephone display screen, or only a portion thereof. For example, when a call is placed to a commercial organization, content from a single source may cover the caller's entire telephone display. But, when a call is placed to one private party from another private party, some or all of the display area may be used to present content associated with one or both parties (e.g., from Twitter™, Skype®, FaceTime®, Snapchat®, WhatsApp®, LinkedIn®, Facebook®, MySpace®, Instagram®, YouTube® Google+®, Flickr®), and only a small area may be filled with content (e.g., an advertisement) from a third party. Thus, content displayed on a party's telephone may comprise multiple content components from the same or different sources or providers.

[0068] When content is presented to a caller pre-ring (e.g., before a destination party's telephone rings, before a chat session is established with a

recipient of the communication connection), the caller may activate a control embedded in the content to take some action offered by the content. For example, if he activates a control to re-route the call to a different destination (e.g., based on an offer or advertisement in the presented content), the call controller or the call processor logic on the caller's telephone will cancel the attempted call and initiate a call to the new destination. Or, a caller may be presented with content that offers to route the voice channel differently (e.g., via a different carrier for a cheaper rate).

[0069] In some embodiments, a call server and a separate call controller may cooperate to control the presentation of content to a caller and/or a called party. For example, and as shown in FIG. 1, data channels may be established between the parties and a call server, and the call server may be responsible for actually transmitting content to the parties and receiving any data they submit.

[0070] The separate call controller, however, may be a third-party content provider (or other third party) and may determine (and/or dynamically provide) content to be provided to a particular party. Thus, a call server may participate in many calls, and connect to different call controllers for different calls (or at different times during one call) to receive content to be presented to a party. Even when a call server and a call controller are co-located or comprise a single entity, content to be served to callers and/or called parties may be retrieved from other parties.

[0071] As one alternative, a call may be initially handled by a call server, perhaps to facilitate presentation of appropriate pre-ring content to a caller or called party. However, at some point (e.g., when the called party's telephone rings, when a chat session is established), control of content presentation may be passed to a call controller associated with or employed by the called party. As yet another alternative, control of content presentation may be passed immediately to an organizational call controller when a call destined for that organization is identified.

[0072] FIG. 2 is a diagram illustrating presentation of content to a caller and/or a called party in association with a telephone call, according to some embodiments.

[0073] At step A, the caller enters or selects a telephone number or contact listing for called party 250, in order to initiate a voice call to that party. Alternatively, she may enter part of the target party's name or number and select the party from results produced by her communication device and/or a source external to her device. At step B, the telephone numbers and/or other identifiers of the caller and called party (e.g., IP addresses if either party is using VoIP equipment) are transmitted to call controller/call server 230 via a data channel of the caller's telephone.

[0074] Control of the call may be passed to a particular call controller, based on an identity of the caller or the called party. Specifically, calls from a certain number (or set of numbers, such as those of a single organization) or to a certain number (or set of numbers) may be controlled by predetermined call controllers. Or, call controller 230 may be a general call server configured to handle presentation of calls involving multiple private parties and/or organizations. In some embodiments, the terms call server and call controller are synonymous, and either entity may delay (or support/enable delayed establishment of) a communication connection; enable presentation of pre-ring, in-call, and/or post-call content; support sharing of content between device; and so on.

[0075] In step C, call controller 230 identifies a source of content to be presented to caller 210 and/or called party 250, or may identify specific content (i.e., not just a content source). In step D, the call controller solicits content from a selected source, which may be a web server, a data server, an advertisement server or other repository of advertisements, an organization's data server, the called party, the caller, etc.

[0076] Content may be selected for presentation based on an identity of a particular party, a relationship between the caller and the called party, an assumed (or known) purpose of the call, previous purchases or other behavior of a party, the location of a party, the local time with respect to a particular party, and/or other factors.

[0077] In step E, call controller 230 forwards the selected content to either or both of the caller and the called party. In some embodiments, the content may be served directly to a caller or called party from a content provider. Content may be presented to either party before the called party's telephone rings, during the parties' call and/or after the call is terminated.

[0078] The voice channel between caller 210 and called party 250 may be routed and established in a normal fashion. However, initiation of the connection may be delayed for a short period of time (e.g., by call processor logic operating on the caller's telephone). Thus, the actual voice connection may be completed any time after step A.

[0079] Illustrative content that may be presented to a caller or a called party pre-ring includes commercial offers and advertisements (e.g., if the other party is a commercial organization), private content such as pictures, communications, present status, current location (e.g., if the other party is a private individual), notifications, alerts, an identifier of the other party to the call (e.g., a corporate logo, a personal avatar), etc. As part of pre-ring or pre-call content, a caller may be able to better target his destination party. For example, if he is calling an organization's main (or toll-free) number, he may be presented with content that allows him to choose a particular office or outlet (e.g., based on city or address), a particular department (e.g., customer service, technical assistance), etc.

[0080] Illustrative content that may be presented to a party during a call includes any or all types of content that may be presented pre-ring. In-call content may also or instead relate to the parties' voice connection, perhaps to

provide visual description of a subject of the parties' conversation, to graphically show different products or product options, to show a transcript of the conversation in real-time or near real-time (or provide other assistance to a hearing-impaired party), to guide a party through an IVR (Interactive Voice Response) menu, to provide customer assistance graphically (instead of or in addition to verbally), to exchange information textually/graphically instead of having to speak it or punch it in via a keypad, to promote an up-sell, to guide a party through an organization's telephone directory to find a desired person, to share content displayed on or stored on one party's device, to recreate annotations (e.g., mark-ups, comments, highlights, drawings) generated on one party's device on another party's device, etc.

[0081] Illustrative post-call content includes content that may be presented pre-ring and/or in-call. Post-call content may also or instead summarize the parties' conversation or transaction, provide a receipt, identify follow-on actions, confirm a later appointment or other scheduled event, return a party to a previously viewed set of content, etc. In some implementations, presentation of post-call content may entail providing to a party's device a link or reference to the content, in which case the device retrieves and presents the content to the party.

[0082] FIG. 3 illustrates content that may be presented to a caller or a called party in association with a telephone call, according to some embodiments.

[0083] Content 310 reflects the presentation of a logo, profile, or other content that identifies an organization. In particular, content 310 comprises an advertisement of a merchant. Content 310 may be presented to a caller when she initiates a call with the indicated merchant, or may be presented to a called party when the merchant calls her (e.g., to verify an order, to report on an order status, to obtain additional information). Or, the illustrated content may be presented when a person engages in a call with a competitor of the indicated merchant, or another party unrelated to the merchant.

[0084] Content 350 includes not only a logo or other visual illustration of an organization, but also presents an offer of a product or service (i.e., a room upgrade). Illustratively, the recipient of content 350 may have booked a room reservation (with the indicated merchant or a competitor), or may be in the process of making a room reservation.

[0085] Thus content 350 may be presented while the recipient is engaged in a call with the offering merchant, in which case the recipient can verbally accept the offer or make an inquiry. Or, if the offer is presented when the recipient is not currently engaged in a call with the merchant, hitting a "dial" button, tapping the screen (if it is touch-sensitive) or activating another control may initiate a call between the recipient and the advertising merchant so that she can take advantage of the offer.

[0086] In FIG. 3, a call controller managing the presentation of content 310 and/or content 350 may be a merchant featured in the content, especially for a call placed to the merchant or from the merchant. Or, the call controller may be a call server or other third party. Because the call controller may be a third party, calls during which the content is presented may not even involve a merchant identified in content 310 or content 350.

[0087] FIG. 4 also illustrates content that may be presented to a caller or called party in association with a telephone call, according to some embodiments.

[0088] Illustratively, content 410 may be presented to a caller during a call with the indicated pizza vendor. Content 410 not only allows the merchant and the caller to verify the caller's current order, but also comprises an advertisement or offer for an additional purchase, and may be presented before, during, or after the call. Specifically, content 410 verifies the customer's order (i.e., for one large Chicago-style pizza, with pepperoni) and the delivery address, and also reminds the customer of a special offer (i.e., $0.99 apple pies on Tuesday nights).

[0089] Content 410 may also, or instead, provide a control that the caller can actuate to cause the caller's address (e.g., home address, work address, current address) to be transmitted to the merchant or call controller. Illustratively, address information may be stored on the caller's communication device (e.g., in a contact record associated with the caller) and may be automatically transmitted to another party when the caller initiates such action.

[0090] In FIG. 4, the call controller that manages the presentation of content on the customer's telephone may be a telephone agent associated with the pizza merchant. In this case, when the customer called the merchant, a data connection was automatically established between the controller (which may be local to or remote from the customer) and the customer. Thereafter, the call controller can determine what is presented to the caller.

[0091] FIG. 5 also illustrates content that may be presented to a caller or called party in association with a telephone call, according to some embodiments.

[0092] Content 510 of FIG. 5 identifies a merchant or other organization with which a person has established a telephone call, completed a telephone call, or is about to call, or possibly a competitor of such a merchant. Content 510 includes coupon 520, and may be used during a call with the advertiser or offline (e.g., in person in a retail store). As indicated, the coupon may be automatically transmitted to the person's email address if the call controller or an associated call server knows his or her address, or if the person releases the address.

[0093] In other embodiments, other content may be presented to a party when he is engaged in a call with a merchant, or has initiated a call to a merchant. For example, the party's last transaction may be displayed, an outstanding balance or other account status may be presented, another merchant advertisement (e.g., from the yellow pages, from an email campaign) may be displayed, a status of a customer service request or complaint may be presented, etc.

[0094] A call reflected in FIG. 5 may be controlled by the organization identified in the content (e.g., a telephone agent that is talking with or has talked with the customer) or by a third party (e.g., a call server).

[0095] FIG. 6 illustrates content that may be presented to a potential called party in association with a telephone call, according to some embodiments.

[0096] Content 610 of FIG. 6 may be presented to a called party pre-ring (i.e., before her telephone rings), in association with a pending call from an organization, such as the indicated bank. As shown in FIG. 6, the content advises the party that the organization is placing a call to her telephone, and indicates a reason for the call. The party may be able to defer the call, agree to answer it, or take other action (e.g., send an electronic mail message, initiate an inquiry or complaint), by activating a corresponding control 620.

[0097] In some embodiments, advisory pre-ring content such as content 610 may include information to help verify the authenticity of the source of the upcoming call. For example, the organization may include some digits of the person's account number, give details of a previous transaction with the organization, etc.

[0098] In some embodiments, pre-ring content may include controls for taking action such as accepting the call as planned, completing the call immediately, postponing the call, scheduling it for a particular time, selecting content to be discussed during the call (e.g., an account balance, a bill, a page of the organization's website), etc. Such controls may be included as part of the pre-ring content, or may be added by the call controller or the call processor logic on the receiving party's communication device.

[0099] A call controller for presenting content 610 may be the organization that wishes to contact the called party (e.g., a telephone agent, an account representative), or may be a third party.

[00100] FIG. 7 illustrates content that may be presented to a caller in association with a telephone call, according to some embodiments.

[00101] Content 710 of FIG. 7 is presented to a caller pre-ring, when he commences a call to a friend or acquaintance (e.g., someone within her list of contacts or friends). Instead of only seeing the name and/or number of the person he is calling, the caller receives additional information regarding the called party and/or other people, such as a picture of the called party.

[00102] Pre-ring content 710 reports the current status of the target called party, which may be determined by the call controller or call server handling the data portion of this call. His status may be tracked by the call controller, especially if the call controller is associated with the called party's telephone service provider, for example, in which case it can easily stay apprised of the status (e.g., location) of the party's telephone.

[00103] Thus, the target called party's status may indicate that he is currently on another call, that he is otherwise busy, that his telephone is turned off, etc. Illustratively, he may have activated a control on his telephone that reports his status. Based on the called party's status, the caller may be offered options to have a return call placed to the caller when the called party is available, to try the call again, to continue with the call (e.g., to leave a voicemail or media message), to camp and wait for the called party to become available, etc.

[00104] Content 710 also includes an excerpt from the called party's (or a third party's) electronic presence (e.g., an excerpt from LinkedIn®, Facebook®, YouTube®, Instagram®, MySpace® or other web site), a recent Twitter™ or Snapchat® message (from the called party or a mutual friend/acquaintance, which mentions the caller or the called party), an offer to make a further connection with the called party (e.g., via LinkedIn®, hi5, Skype®, FaceTime®), a recent photo posted by the called party, and so on.

[00105] As indicated in FIG. 7, content 710 may be presented as pre-ring content, but some elements of the content may also (or instead) be presented as in-call and/or post-call content. Alternatively, in-call and post-call content may be completely different from content 710.

[00106] The called party may be presented with similar content pre-ring, in-call, and/or post-call. Of course, instead of seeing content about himself, the called party may be presented content associated with the caller and/or third parties (e.g., mutual friends and acquaintances).

[00107] Content 710 includes timer 712 that indicates how soon the voice channel of the call will be connected or routed for connection. Illustratively, the voice connection may be delayed in order to determine and present the called party's status, to retrieve content to be presented, to allow the caller to review content 710 or to choose an alternate course of action if the called party is not currently available, or for some other reason. A control (e.g., one of controls 720) may, however, allow the caller to terminate the delay and proceed with (or attempt) the voice connection immediately.

[00108] A call controller for controlling presentation of content 710 in FIG. 7 may be the called party or a third party (e.g., a call server, a telephone service provider of the caller or the called party). For example, the called party may have specified certain content, or sources from which content may be retrieved, for presentation to someone when a call is established or is being initiated to him. Similarly, the caller may have identified content that may be displayed to the called party, in which case he may be considered the call controller for the called party's side of the telephone connection.

[00109] FIG. 8 further illustrates content that may be presented to a caller or called party in association with a telephone call, according to some embodiments.

[00110] Content 810 of FIG. 8 not only identifies the other party to a current call, but also includes content drawn from an electronic presence of the other party (or a third party), such as content from LinkedIn®, Facebook®, Twitter™ and/or other web sites or content repositories. Yet other content may be accessed by either or both of the parties to the call, by activating an appropriate

control within content 810 to open a YouTube video, view a photo at Flickr, listen to some audio, etc.

[00111] Content 810 may also provide personal information about the other party (e.g., her upcoming birthday), her approximate location (e.g., 1700 feet away), her status (e.g., in a meeting, dining, in transit).

[00112] An advertisement included with content 810 may be relevant to another portion of the content (e.g., a birthday announcement, a discussion of traffic, an invitation to dine), and/or may be associated with one or both of the parties' current locations (e.g., as reported by a GPS component of a party's telephone).

[00113] A call controller responsible for presenting content (or determining content to be presented) to a caller or called party in the call of FIG. 8 may be the other party, a call server, or some other third party (e.g., the source of the advertisement).

[00114] As seen in FIGs. 3-8, pre-ring, in-call, and post-call content presented to a caller or called party may relate to any of the parties to a call and/or a third party. The content may include entertainment for one or more of the parties to enjoy before, during, and/or after the call but may also (or instead) include commercial information (e.g., sales offers, transaction details, advertisements, coupons). Commercial content presented to a party engaged in a call with an organization may be associated with that organization, a competitor, an associate, or an unrelated entity.

[00115] Content may include various controls for accessing additional content (alone or in unison with the other party to a call – as shared content, for example), for navigating to a party's page or presence at a particular web site, for affecting the voice channel of a call (e.g., to delay or reschedule a call, to leave a message, to add another party to the call), for accepting or viewing further details of an advertisement, and so on.

[00116] Some controls and actions offered via content presented on a party's communication device may involve altering the routing of a current call. For example, when a caller initiates an overseas call via a particular carrier, an advertisement or offer from a competing carrier may be presented pre-ring (e.g., to complete the call for $0.0X per minute). If the caller wishes to take advantage of the offer, he may activate a corresponding control within the presented content. Or, the offer may be presented as an offer or coupon during or after the original call.

[00117] Similarly, a caller may choose to route a call to a different destination based on pre-ring content. Thus, if a caller dials a commercial organization and an advertisement or offer from a competitor is presented pre-ring, the caller may accept or choose to investigate the offer (e.g., by activating a control within the content), in which case the destination of the call is changed before the original called party's telephone rings.

[00118] In some embodiments in which a call is controlled by a third party (i.e., not the caller or the called party), the call controller may present to one party content associated with a competitor or an associate of the other party. For example, content selected for presentation may be provided by the highest bidder for calls targeting a particular merchant or from a particular caller, or from a caller matching a certain demographic (e.g., age, sex, location, income).

[00119] In some embodiments, before or during a current call, a caller (or called party) may specify that another call should be established when the current call is terminated. If multiple follow-on calls are desired, a queue may be established (and may be viewable to that party). For example, if an advertisement or a communication from a friend/acquaintance is presented to the caller before or during a first call, he may activate an associated control to program his communication device to automatically place a follow-on call when the current call is completed.

[00120] As described previously, when a caller or called party's communication device is not capable of presenting rich (e.g., multimedia) content, pre-ring, in-call, and/or post-call content may be presented on a selected computing device. The content may be presented within a traditional browser program, within an application provided by an operator of a call server (or by some other entity), via an instant messaging program or electronic mail, or in some other manner.

[00121] FIG. 9 is a flow chart demonstrating a method of controlling presentation of content in association with a telephone call, according to some embodiments. In other embodiments, one or more of the illustrated operations may be omitted, repeated, and/or performed in a different order. Accordingly, the specific arrangement of steps shown in Figure 9 should not be construed as limiting the scope of the embodiments. In the illustrated embodiments, content may be presented on a communication device or associated computing device of either or both a caller and a called party.

[00122] In operation 902, a caller initiates a call from a communication device. In some embodiments, a dialer or call processor on the caller's telephone is augmented or replaced by a dialer or call processor configured to facilitate such media presentation, or is modified to operate as described here.

[00123] A replacement or modified call processor program may be configured to immediately initiate a data connection with a call server or other controller when the caller enters the number to be dialed, when the caller selects the party to be called (e.g., from a list of contacts), or when the caller activates a control to place the call (e.g., a "dial" button"). Or, if the caller uses a search function to find a desired party by entering a partial name or telephone number, the search may be performed both on the user's device and off the device (e.g., at a call server), in which case the call controller can determine in real time that a call is being commenced.

[00124] In optional operation 904, the call processor (or other logic on the calling device) may present an initial message or content screen to the caller (if the calling device is capable of presenting such a message). For example, if the called party is known to be a friend of the caller, an initial message such as "Retrieving X's latest photo from Facebook …" or "Checking X's current status in WhatsApp …" (where X is the name of the friend) may be displayed.

[00125] Or, if the called party is known to be a merchant that has an agreement with the call controller, a commercial-oriented message may be displayed, such as "Checking for personalized offers …" (if the called party is a vendor) or "Retrieving details of your previous transaction …," etc.

[00126] Yet further, an initial set of content may presented from local storage (e.g., a cache) on the caller's device. For example, for parties that the caller often communicates with (e.g., close friends, favorite take-out restaurants), content related to the parties (e.g., pictures, video shared between the parties, a menu) may be presented even before the call is connected. Depending on the resources of the caller's device, content related to any number of specific parties, and/or general content that may be displayed for calls to various parties, may be cached or stored on the caller's communication device.

[00127] Thus, an initial message displayed even before the caller's call is placed may comprise a logo or advertisement of a commercial business, an avatar representing a friend or acquaintance, a picture of the called party, social content (e.g., from a social networking or content sharing web site), etc. Such content may be automatically refreshed on a regular or occasional basis. In some alternate embodiments, an initial message may simply indicate that the desired call is being placed (e.g., with minimal or no content).

[00128] In optional operation 906, the voice portion of the call is delayed. In particular, in the illustrated embodiment, signaling of the call via SS7 (Signaling System Number 7) or other telephone switching scheme may be automatically delayed by a short period of time (e.g., 1 second, 5 seconds, 10

seconds) to allow a data portion of the call to be established between the calling device and a call controller. As described above, the call controller may be a call server, a telephone agent (automated or human), an operator, or other entity.

[00129] A default period of delay may be increased or decreased based on an identity of the caller or called party, or the time necessary to collect and present appropriate content, and different delays may be associated with different parties. Yet further, once the data connection is established with the call controller (e.g., in operation 908), the calling device may be instructed to extend the delay or to reduce or eliminate any delay.

[00130] For example, if the call is being placed to a particular friend or acquaintance, and it is known that no relevant content is available regarding that person, the delay may be negligible. Alternatively, if the call controller is able to quickly determine that an electronic presence of the called party has recently changed (e.g., at a web page on Twitter™, WhatsApp®, LinkedIn®, Facebook®, YouTube®, Instagram®, or MySpace®), a delay may be lengthened to allow that page (or a portion thereof) to be retrieved and served to the calling device.

[00131] As another example, if the call is being placed to an unknown party, no content specifically relative to that party will be identified, and so there may be little or no delay. Alternatively, if the called party is a known commercial entity, the call controller may implement a delay sufficient to allow identification, retrieval, and serving of relevant content – such as details of a previous transaction, a status of a current transaction, a customer service request, an invoice, an advertisement from a competitor, a special deal, a guide to an IVR (Interactive Voice Response) menu of the called party's telephone system, etc.

[00132] Voice connections to some telephone numbers (e.g., 911, 411, 0), to friends and acquaintances (e.g., private individuals within the caller's contact list), or to numbers matching certain patterns (e.g., anything less than seven digits, anything more than ten digits, anything with a * or # symbol) may be initiated without delay or may otherwise be treated in a special manner.

[00133] In operation 908, a data connection between the caller's communication device and the call controller is established, and the call controller receives the origination telephone number, the destination telephone number and any related information (e.g., names of caller and called party, an indication of a frequency of contact between the parties, details of a previous call between the parties, content the caller wishes to share with the called party).

[00134] In some embodiments, the call controller is an agent associated with either the caller or the called party, especially when that party is (or represents) a company or other organization. Thus, presentation of content in association with calls placed to some organizations (e.g., large commercial companies) may be controlled by an agent that works for that organization. In these embodiments, the call controller can present to the caller special deals (e.g., sales, personalized offers, upgrades), details of a previous or current transaction between the caller and the organization, visual information regarding the organization or a product or service the organization offers (e.g., pictures, one-way or two-way video, graphics), etc.

[00135] In other embodiments, a call controller may be a third party (e.g., the caller's or called party's telephone service provider, an operator of a call server). A third party controller may control presentation of content related to either or both the caller and called party, and/or may present content relating to a different party. For example, a third party call controller may present to a caller an advertisement for a competitor or affiliate of the called party, or present to the called party an advertisement for a competitor or affiliate of the caller.

[00136] A call controller may establish agreements with commercial (and/or other) entities to present their selected content (e.g., advertisements, special offers) to certain callers and/or called parties based on their identity or the identity of a party to which they would be connected to if the current call is completed. The content to be presented may be selected at random, or may be based on an identity or profile of the caller or the called party.

[00137] In particular, a call controller (especially a third party call server) may auction or otherwise sell content presentation opportunities to advertisers or other entities. The call controller may differentiate content presentation opportunities based on the caller and/or called party identities, geographical location of a party, party demographics, and/or any other characteristic.

[00138] Also in operation 908, the call controller may quickly attempt to ascertain a status of the called party. For example, by making (or attempting to make) a data connection to the called party's communication device, the call controller may determine that the called party is available, is on a call (and maybe an identity of the other party), is in a meeting or is otherwise unavailable, possibly due to a communication failure or an emergency. Illustratively, such a status may be determined based on a status of the communication device (e.g., off-hook) or by a status set on the device by the called party (e.g., to forward call, to initiate a silent mode of operation).

[00139] If the called party is unavailable, the caller may be offered the option to wait, to call later, to leave a message, to have the called party place a return call the caller, to automatically place a call from the caller to the called party when he/she is available, etc.

[00140] The call controller may also determine whether the communication devices of either the caller or called party are incapable of presenting content, in which case any content selected for presentation to that party may be presented on an associated computing device (if one has been identified).

[00141] Once the call controller learns the identities (or telephone numbers) of either or both the caller and the called party, it may block or allow the call based on a global block/allow list maintained at the call controller. For example, if the caller is a known telemarketer or spammer (or some other type of undesirable caller), or perhaps even a suspected telemarketer, and the called party

has opted to have calls from such sources blocked, the call controller may block the presentation of content to the called party and may even prevent the voice connection from being completed.

[00142] In operation 910, the call controller selects content to be presented to the caller and/or called party, retrieves it from an internal database or from an external location, or otherwise causes it to be transmitted to the desired party or parties. To select content for presentation, the call server may consider personal characteristics (e.g., age, sex, geographic location), behavior (e.g., browsing history, calling history, buying pattern) and so on, of the caller and/or the called party.

[00143] The call controller may also consider whether the caller or called party is known to have a personal web page, a page on a social networking or dating site, or some other electronic presence that can be accessed and that can be shared with the other party. Illustratively, subscribers may give permission to a call controller to access certain electronic information and present it to all or selected parties. Thus, friends and family members can specify that their electronic content on certain sites can be shared with certain people (or all parties) with which they communicate.

[00144] Content may be presented to either party pre-ring (i.e., before the called party's communication device rings), in-call (i.e., during a call), and/or post-call (i.e., after one or both parties hang up). The call controller may identify and/or retrieve content to be displayed in all phases at once, or may identify/retrieve content separately for the different phases. Information necessary to select appropriate content (e.g., identities of the caller and called party) may be received via the data connection –in the form of the parties' telephone numbers or network addresses (e.g., for VoIP calls), for example.

[00145] Content to be presented to a party may change over time, or be replaced. For example, if one of the parties updates a page of personal electronic content (e.g., on a social network site), that page or the changes may be

automatically shared with the other party. Or, as a call with a commercial entity proceeds, presented content may be updated to reflect an order that is being placed for a good or service, to verify terms of a transaction, to provide assistance or reflect assistance that has been provided, to provide payment options, etc.

[00146] In operation 912, pre-ring content (i.e., content to be presented before the destination communication device rings) is transmitted to the caller and/or the called party via data channels, for display or presentation to their operators/users.

[00147] In some embodiments, pre-ring content presented to a caller or called party comprises information that the call controller believes the party may be able to use or wish to see during the call. For example, if one party is an organization, the other party may be shown location information regarding the organization (e.g., the nearest shop or outlet of the organization), a profile or description of the organization, details of a previous or pending transaction with the organization, the status of an account with the organization, an offer from a partner or affiliate of the organization, an offer from a competitor of the organization, a purpose of the call, a notification of the call, etc.

[00148] If the parties are friends or acquaintances, one party may be shown content drawn from a social networking site or other electronic presence of the other party (e.g., a photograph, a video), content shared between the parties, status information of the other party or a mutual friend/acquaintance, etc.

[00149] Thus, pre-ring content presented to a caller or called party may be associated with the other party and/or a third party (e.g., a competitor of one of the parties to the call, a mutual friend or relative of the caller and the called party). Further, the called party may be offered the opportunity to postpone or re-schedule the call for a later time.

[00150] In operation 914, the voice channel of the call is routed normally (e.g., through the telephone network of the caller's service provider), and a communication device of the called party rings.

[00151] In operation 916, after the called party answers, in-call content (i.e., content presented during the call) is transmitted to one or both parties' communication devices (or associated computing devices) for display to the caller and/or the called party. In-call content may be the same as, or different from, pre-ring content.

[00152] For example, if one party is a merchant, the other party may be presented with information regarding a current transaction with the merchant, possibly to verify what is being ordered, a delivery address, a method of payment, or other detail. This data may be updated dynamically as the call progresses. Or, if the caller and called party are collaborating on a document or other electronic product, some or all of that content may be displayed.

[00153] Yet further, one of the parties may select content stored on his or her communication device, or navigate a browser on their device to some content, and elect to share that with the other party. The call controller or a call server would then ensure the other party is able to access the content. Content may be shared in this manner before, during, and/or after a call. Even without an associated call, one party may be able to transmit data or content to another party via the system described herein, for off-line presentation to the other party.

[00154] One benefit of presenting in-call content is that a caller and a called party can engage in simultaneous data and voice connections. Although the voice connection will couple the caller and called party (and any other parties conferenced in), the data connection may couple each party to a call server or a call controller. They may therefore discuss and share electronic content in real-time.

[00155] If the call is not answered in operation 916, the caller may be able to leave a voice or message for the called party.

[00156] In operation 918, one or both of the parties hang-up, thereby terminating the voice channel of the call.

[00157] In operation 920, additional (post-call) content may be presented to either or both of the caller and the called party. Post-call content may verify a decision made during the call, provide a party with follow-on tasks (e.g., make a call to another party, view a web page associated with the other party), etc. Or, post-call content may be identical or similar to pre-call and/or in-call content.

[00158] In some embodiments, a person (or organization) may construct or design a custom set of content to be presented to another party before, during or after a call to (and/or from) that party. The content may be static in that it comprises content that is selected once and does not change unless/until the person changes the content. Or, the custom content may comprise links to content or content sources that may change over time – such as the person's (or organization's) LinkedIn®, YouTube®, Instagram®, MySpace® or Facebook® page (or a particular frame of such a page). As the content changes, the updated content will be captured and presented to other parties as allowed by the originating party (e.g., limited to friends and family, displayable to all parties).

[00159] For example, a person may assemble a personalized hello screen or page (for playing pre-ring or in-call) or a personalized goodbye screen (to be played after a call). Other personalized screens may be configured to be presented to another party in the case the person cannot take a call – such as one screen if the person is busy, and a different screen if the person is away from her phone – or for other reasons.

[00160] Such personalized content may include controls for taking some action. For example, if a called party is busy and cannot take the caller's call immediately, personalized content may be presented to the caller with a control that helps the caller navigate to the called party's social network web page, to an online calendar for making an appointment or seeing when the called party will be available for a call, etc.

[00161] A call server or other entity may provide a web server or other online service to assist a subscriber in the creation and maintenance of a

personalized page or screen of content to be presented to another party when the subscriber calls (or receives a call from) the other party. This service may be independently operated or may be hosted by another online presence, such as Twitter™, Skype®, FaceTime®, Snapchat®, WhatsApp®, LinkedIn®, YouTube®, Instagram®, MySpace®, Facebook®, etc.

[00162] Other parties, particularly organizations, may develop custom pages or screens independently. Custom screens may be cached on a call server, stored with a call controller, or maintained elsewhere (e.g., in the organization's data center(s)) in anticipation of being retrieved for presentation. In some embodiments, a party's custom screen may be indexed by telephone number, by an identity of the party (e.g., name) and/or in another manner.

[00163] In addition to, or instead of, identifying or constructing default custom content to be presented to another party in association with a telephone call with that party, a person (or organization) may construct or select a simple pre-ring message to be presented to a targeted party. As described above, for example, a caller may issue a pre-ring message identifying a purpose for the pending call.

[00164] Before, during, after, and between calls, a party may push images, video, and/or other content to another party (e.g., an electronic contact or business card, an electronic birthday card, a shipping address or billing address, payment data, a receipt). Further, parties to a call may simultaneously access content located on one of the parties' devices or elsewhere.

[00165] FIG. 10 is a flow chart demonstrating a method of presenting relevant content to a caller in association with a call to an organization (e.g., a merchant), according to some embodiments. In other embodiments, one or more of the illustrated operations may be omitted, repeated, and/or performed in a different order. Accordingly, the specific arrangement of steps shown in Figure 10 should not be construed as limiting the scope of the embodiments.

[00166] In operation 1002, an operator of a call server accepts bids for the opportunity to present content to persons calling the organization. In particular, third parties (and/or the organization itself) may bid an amount they are willing to pay the call server in return for the call server presenting the third party's selected content to some number of callers that initiate calls to the organization.

[00167] This operation may be part of a larger effort in which the call server auctions the ability to present content to persons that will call (and/or be called by) various organizations. In different embodiments, content selected by the winner of an auction may be cached on a call server, may remain with the winner or may be cached elsewhere (e.g., an ad server). The call server may auction different call types separately – such as calls from different geographical areas, calls from callers matching different demographics, calls to a specific subset of the destination organization's telephone numbers, calls grouped according to temporal characteristics, etc.

[00168] Because content may be presented to a caller pre-ring (before the destination party's telephone rings), in-call (during the call), and/or post-call (after the call), different parties (or the same party) may earn the right to have their content presented at different times. Thus, one party may supply pre-ring content while other parties present in-call and post-call content. Or, one party may win the right to supply multiple stages of content in association with one call.

[00169] Further, multiple parties may obtain the opportunity to present content at the same time. For example, one type of content (e.g., pre-ring content) may be configured to comprise two (or more) components or frames, and each component may be populated by a different source.

[00170] In some embodiments, a party (e.g., the organization) may obtain the ability to directly control the presentation of content on the caller's communication device at some phase, especially during and/or after the call. Thus, while a different party, such as a competitor of the organization, may serve

pre-ring content for a caller, once the call is connected to the organization, the organization may be able to dynamically select and present content to the caller.

[00171] In optional operation 1004, the call server receives a destination telephone number lookup request from a caller's communication device (e.g., telephone). More specifically, in the embodiments reflected in FIG. 10, a caller may initiate a keyword-based lookup of a destination telephone number. The keyword received in operation 1004 may or may not match the organization identified in operation 1002.

[00172] To perform a search, the caller may enter a portion of the name of a desired destination by spelling it out with his telephone's keypad, by speaking it into the telephone's microphone, or via other means (e.g., a braille or haptic device). That input may be used (and converted to text as necessary) to lookup matching parties locally (i.e., on the caller's communication device) and/or globally (i.e., on a call server or other location external to the caller's communication device).

[00173] It may be noted that a keyword-based search may involve searching for specific people and/or organizations having names that match a caller's keyword. Or, a keyword may identify a category of a good or service the caller desires (e.g., pizza, taxi, hotel, Chinese food), in which case the results will include parties that can provide the desired good or service.

[00174] Thus, if the caller enters several letters of a merchant's name or category of good (e.g., "h e r t", "m a r r i o", "p i z z"), searches may be initiated for people and/or organizations that match the keyword or input pattern. A search may return any number of results (zero or more), depending on how many characters are input, whether the caller is spelling the name correctly, how many telephone numbers are associated with parties that match the keyword, etc.

[00175] In some embodiments, the call server may auction or sell priority positions in keyword search results. Specifically, a party matching a keyword pattern (or even a party that doesn't match the pattern) may pay the call server to

receive premium treatment in a list of search results served to the caller (e.g., by being placed at the top of the list, by receiving an entry having a larger size, a different color, or other highlighting).

[00176] If multiple telephone numbers are found for a given party that matches the keyword(s), they may be ordered in some logical fashion. Thus, a local or toll-free number for the party may be prioritized higher than a long-distance number, an IP address for a VoIP call may be prioritized higher than a telephone number (or vice-versa), a matching party that the caller has called before may be prioritized above one that he or she has not called before, etc.

[00177] Of note, a search or directory lookup initiated by a caller in operation 1004 may simultaneously or sequentially search the caller's local communication device and a call server (and/or a third-party directory), with only a single command or control activation. Thus, the caller can initiate a search of multiple data repositories, local and/or remote, with a single command.

[00178] Besides searching a person's contact list on their local communication device and/or a central call server (or call controller), a directory lookup or contact search may also search contact information stored in the person's electronic online presence. Thus, contact information within the person's page on LinkedIn®, YouTube®, Instagram®, MySpace®, Facebook® or other social site may be searched. Yet further, a search may be conducted within a third-party data repository, such as an online yellow pages, a university's or other organization's telephone directory, a commercial database, etc.

[00179] In optional operation 1006, the call server serves a list of search results. The results may be ordered alphabetically, by popularity or some other rating, by location (e.g., distance from the caller or a fixed point (such as a set of GPS coordinates)), by payments received from parties in the list, by temporal characteristics, etc. A list of results provided by the call server may be merged with a list of results generated by the caller's communication device.

[00180] In operation 1008, the call server is notified of a call being placed to the organization. Illustratively, the caller may have initiated the call by selecting or activating an entry within the list of search results received in operation 1006, or may initiate the present call at some later time. Notification of the call may be received via a data channel (or data channels) hosted by the caller's communication device.

[00181] Alternatively, the notification may be received via a data connection with the caller's telephone service provider. This may occur if the caller's communication device does not have a data channel or is not capable of presenting rich content.

[00182] Routing of the caller's voice connection may be automatically delayed by the caller's communication device or by the caller's telephone service provider. For example, the destination organization may be recognized as a commercial entity, and call processing logic on the caller's device (or at the caller's service provider) may be configured to delay calls to commercial organizations (or selected commercial organizations) so that appropriate content can be selected and presented to the caller.

[00183] In operation 1010, the call server identifies a source of pre-ring content to be presented to the caller, based on the destination telephone number (i.e., the organization), the caller's identity, the caller's location and/or other factors. Based on the auction of operation 1002 for example, the call server may be configured to serve content provided by the winner of the auction to the next X number of callers that place calls to the organization, or to callers matching one or more criteria.

[00184] In operation 1012, the call server queries the content provider for the pre-ring content. Alternatively, such content may be pre-identified, in which case the call server may automatically retrieve it.

[00185] If the pre-ring content must be retrieved from the content provider, the call server may provide information regarding the caller (e.g.,

telephone number, name, demographic data). Such information may be used by the content provider to select particular content; for example, the content provider may wish to present different content to callers that it "knows" than to unknown callers. Therefore, if the caller has a relationship with the content provider, the content provider may produce content comprising a different offer, advertisement, or other message.

[00186] In operation 1014, the content provider submits pre-ring content to the call server that it would like to have presented to the caller or, alternatively, identifies a location (e.g., URL, network address) from which the content may be retrieved.

[00187] In operation 1016, the call server transmits the selected pre-ring content to the caller's communication device, and call processing logic (or other logic) operating on the device presents the content to the caller. Alternatively, browser logic (or other logic) operating on the communication device may be instructed to retrieve the content from one or more specified locations. For example, the pre-ring content may comprise one or more components stored in one or more locations, and the browser logic may be responsible for retrieving the components, assembling them, and presenting the content.

[00188] As described previously, if the caller's communication device is incapable of receiving or displaying the content, the content may be presented on a computing device associated with the caller.

[00189] In operation 1018, the caller's communication device (or computing device) or the call server determines if the caller takes some action with regard to the pre-ring content that affects routing or processing of the voice connection.

[00190] For example, the pre-ring content may include an offer from a competitor of the organization, or an offer to route the call more cheaply, and the caller may activate a control associated with such an offer. The action may thus simply affect how the voice connection is routed, or may change the destination

of the call. If the call is modified by the caller's action regarding the pre-ring content, the method continues at operation 1020; otherwise, the method advances to operation 1022.

[00191] In operation 1020, the call server or logic operating on the caller's communication (or computing) device implements the desired action. Thus, a call processor on the communication device may drop or cancel the current voice connection (which may not have been dialed yet) and select a new telephone number to call.

[00192] Note that if the call destination has changed (e.g., to a different organization), a different party may become responsible for providing content to be presented in-call and/or post-call.

[00193] In operation 1022, the voice portion of the call proceeds, either to the original destination or a new one specified by the caller in operation 1018. In addition, the call server queries or prompts the appropriate content provider for in-call content.

[00194] In an embodiment in which control of in-call content presentation completely passes to a call controller (content provider) other than the call server, such as the destination organization, such control may be passed in operation 1022. Specifically, once the call is confirmed to be destined for a particular organization, the organization may become the call controller for in-call and possibly post-call content as well.

[00195] In operation 1024, in-call content is presented to the caller on his communication (or computing) device. As already described, the content may be served from the initial call server (after being identified by a responsible content provider), by the selected content provider, or directly from an assigned call controller.

[00196] Even if a call controller separate from the call center has acquired control of in-call content presentation, such content may still transit a

data channel established between the caller and the call server. Or, alternatively, the data channel may be re-routed to the call controller.

[00197] The in-call content may directly relate to the call, especially if the content is produced by the called organization. For example, if the in-call content is controlled by a human agent of the called organization, she may supplement information exchanged over the voice connection with audio, textual, and/or video data presented via the caller's telephone or computing device.

[00198] In operation 1026, post-call content is presented to the caller after he and/or the called organization hang-up. Such content may be produced by the called organization and/or by some other party that earned the right to have its content presented.

[00199] Post-call content may directly relate to the call (e.g., a receipt, an invoice, a transaction summary), may be unrelated, or may have some logical association – such as an offer for a good or service that complements (or competes with) something the organization sells or provides.

[00200] In some embodiments, pre-ring, in-call, and/or post-call content presented to a caller or a called party may include one or more coupons. In these embodiments, a coupon may comprise a graphical image of a coupon, a discount code, or any other textual or graphical display that grants the recipient a discount in purchase price or a special deal (e.g., one item free with the purchase of another item). An entire (or partial) image of the coupon may be presented, or just a link to the coupon may be presented (e.g., "Press here for a 25% off coupon!").

[00201] A coupon may be redeemed during a telephone call associated with the presentation of the content or at some later time. Call processor logic, coupon logic, or other logic operating on the recipient's communication (or computing) device may be configured to save coupons, at least until their dates of expiration. Coupons may also, or instead, be saved for a user at a call server, such as in a "coupon account" associated with the user by name, telephone number, or some other identifier.

[00202] A coupon database for storing coupons for award or presentation to users may be indexed or sorted by telephone number and/or name of the corresponding merchant, and may reside at a call server or a third party. Then, when a caller initiates a call to one of the telephone numbers or merchants, one or more coupons matching the target called party may be retrieved and presented.

[00203] Further, a coupon for a given merchant may be associated with a telephone number of a competitor or a merchant of an associated good or service, in which case a caller may not receive coupons only for the merchant that it intended to call. A set of coupons identified for presentation to a caller may be filtered by relevance, perhaps in consideration of the merchants' proximity to the caller, the time of day (e.g., in case some merchants are closed), etc.

[00204] A coupon may be presented pre-ring based on the telephone number being dialed or an identity of the target party. Or, in response to a directory lookup (e.g., based on a keyword) performed on a call server, a coupon may be served for an organization included in the list of results (or for a competitor of such an organization). Thus, if a caller enters a lookup for the keyword "pizza," along with a list of pizza vendors (possibly identifying their proximity to the caller), one or more coupons may be presented.

[00205] Along with presentation of a pre-ring coupon, a control for routing or re-routing the call to the offeror may be provided. If activated, the coupon (or notification of the coupon) may be passed to the offeror along with the call.

[00206] In-call presentation of a coupon may be triggered not only by a call server or call controller selecting such content to be presented to the caller, but may also be triggered based on coupons stored for the user – either locally on her communication device or centrally in the "coupon account" mentioned above. Thus, after a voice connection is completed to an agent for a particular merchant, the caller may be reminded of (e.g., shown) a coupon she possesses for the

merchant. She can then pass to the agent a code within the coupon or perhaps activate a control that transmits the coupon to the agent.

[00207] As for post-call content, after a caller completes a call with a merchant, post-call content may include a coupon for use the next time the caller calls or visits the merchant. A post-call coupon may be saved automatically or manually.

[00208] A coupon presented to a caller (or called party) in association with a telephone call may include a limitation on how or when it may be redeemed. For example, a coupon for a lunch meal may only be good until 6:00pm the same day. Another coupon may be valid until sometime further in the future. Similarly, a coupon may be limited to a specific area. For example, a particular coupon may only be good at a specific store or at a merchant's locations in a particular area code, city or state.

[00209] Yet further, a coupon may be limited to certain recipients. For example, a particular coupon may only be redeemable by members of a specific group (e.g., frequent fliers of a given airline, account holders at a given business), people meeting specified demographic and/or psychographic requirements, subscribers to a particular telephone carrier, etc.

[00210] To prove his qualification to use a certain coupon, a caller may be required to provide an account number or to manipulate his telephone to transmit a copy of a contact card evidencing his qualification. Alternatively, the caller's telephone number (e.g., via callerID) could be used to verify the caller's identity.

[00211] If a person's communication device is unable to display an electronic coupon, it (or a link to the coupon) may be displayed on an associated computing device.

[00212] As described above, a caller may initiate a search of contacts or one or more telephone directories from his communication device. In some embodiments, the caller merely needs to begin spelling a name of the desired

destination. Each character that is entered is appended to any preceding characters and submitted to any local directories (e.g., a contact list on the communication device), as well as other repositories on a call server, an online telephone directory, an organizational contact list, etc.

[00213] Thus, as each character is entered, any number of contacts may be identified and used to populate a list presented to the user on the communication device. The list may shrink as the search becomes more specific and the number of matching contacts decreases, and some or all entries may be accompanied by controls the user can actuate to initiate a call to the corresponding destination.

[00214] As more and more callers generate searches and select their desired destinations, a call server (or a third party) can analyze statistics and trends to identify the specific destination parties that are most likely to be matches for a given sequence of search characters. This data may be used to refine the manner or sequence in which matching destination parties are presented.

[00215] In some embodiments, off-device contact lists or repositories may be shared among multiple users. A shared list may be updated by any or all of the participating users or by an authorized subset of the users, who may be relatives, friends, members of an organization, classmates, etc. Thus, an update to a shared list submitted by one participant can be automatically shared among all participants.

[00216] Entries may, however, be screened or filtered according to a particular participant's desires. For example, a given participant may not wish to share a particular contact with other participants, or may not wish to see specific contacts that were added by another participant (e.g., contacts that the given participant does not like).

[00217] A shared contact list may be stored at a call server or other central site and may be automatically searched when a list participant initiates a search from her device. In addition, some or all contacts from a shared list may

be automatically copied to a participant's local device or a computing device (e.g.., for synchronization with an address list stored on the device).

[00218] FIG. 11 is a block diagram of hardware apparatus for facilitating presentation of content in association with a telephone call, according to some embodiments.

[00219] User interface mechanism 1110 of call server apparatus 1100 is adapted to facilitate computing interaction between the call server apparatus and subscribers (e.g., callers, called parties), and possibly third-parties (e.g., advertisers, content providers, call controllers).

[00220] Illustratively, a subscriber may manipulate the user interface mechanism to configure his or her profile, to register a computing device on which content may be presented instead of a particular communication device (which may be identified by telephone number) that cannot present rich content, and so on. An advertiser or content provider may manipulate the user interface mechanism to identify (or upload) content to be presented to a subscriber, to bid on the right to present content, etc.

[00221] Subscriber communication mechanism 1112 is adapted to host data connections between the call server apparatus and communication devices (and/or computing devices) of callers and/or called parties, in association with a current, pending, or past voice connection between the parties or with an authorization by one or more of the parties to initiate a voice connection. Thus, mechanism 1112 may be the component that learns of the initiation of a new telephone call and that receives the caller's and called party's telephone numbers.

[00222] Content selection mechanism 1114 is adapted to select a source of content (or to select specific content) to be presented to a caller or called party pre-ring, in-call, and/or post-call. Mechanism 1114 may select content or a content source based on the parties to the call, such as a content provider that has paid a fee in order to have its content presented. Or, if non-commercial content is to be presented (e.g., in association with a call between friends), the identified

content or content source may relate to an online presence of either or both parties.

[00223] Content presentation mechanism 1116 is adapted to transmit content to a caller and/or a called party in some embodiments. In embodiments in which the content is transmitted from a different entity (e.g., a content provider, a call controller operated by a commercial organization), content presentation mechanism 1116 and/or content selection mechanism 1114 may cooperate with the entity to arrange for the transmission of the content. Or, control of the presentation of content may be handed off to an assigned call controller in place of content presentation mechanism 1116.

[00224] Call filtering mechanism 1118 is adapted to filter calls based on any desired criteria. For example, calls (or data transmissions) that are inbound to a subscriber may be filtered based on the originating number, to block calls from telemarketers, spammers, and/or other undesirable parties.

[00225] In other embodiments, functions performed by the various mechanisms may be distributed among a different number of mechanisms.

[00226] FIG. 12 is a block diagram of a call server for facilitating presentation of content in association with a telephone call, according to some embodiments.

[00227] Call server 1200 of FIG. 12 comprises processor 1202, memory 1204, and storage 1206, which may comprise one or more optical, solid-state, and/or magnetic storage components. Call server 1200 may be coupled (permanently or temporarily) to keyboard 1212, pointing device 1214, and display 1216.

[00228] Storage 1206 of the call server stores logic that may be loaded into memory 1204 for execution by processor 1202. Such logic includes business logic 1222, data connection logic 1224, content selection logic 1226, and call screening logic 1228. Additional logic may be stored and executed in other embodiments.

[00229] Business logic 1222 comprises processor-executable instructions for auctioning or selling an opportunity to have content presented to communication devices (and/or computing devices) in association with a telephone call, or for otherwise generating revenue in return for presenting content to callers and/or called parties.

[00230] Data connection logic 1224 comprises processor-executable instructions for establishing, maintaining, and terminating data sessions with communication and/or computing devices, to receive notification of call events, serve content, retrieve content from a party's communication device, etc.

[00231] Content selection logic 1226 comprises processor-executable instructions for selecting a source of content, or specific content, to be presented to a party to a telephone call. If presentation of content is to be controlled by an entity other than call server 1200, content selection logic 1226 (or another component of the call server) may select a call controller to manage the content presentation.

[00232] Call screening logic 1228 comprises processor-executable instructions for filtering, screening, and blocking calls placed to (or from) a subscriber. Calls may be blocked (or allowed) based on an identity of the other party or the nature of the call (e.g., spam, telemarketing, adult content).

Payment Information Associated with a Telephone Call

[00233] In some embodiments, one or more payment mechanisms are implemented in association with a telephone call or other communication connection. Additional payment information may also be provided, such as details of a transaction for which payment is being made, a receipt, user authentication/verification, etc. The additional payment information may be provided with the payment mechanisms, beforehand or afterward.

[00234] In these embodiments, a payment effected using an electronic mechanism may be necessitated by or at least related to the call. For example,

during a call the caller (or a called party) may express an interest in purchasing something, and the payment information/mechanism process may be triggered by the same party or by another party to the call (e.g., a merchant, a payee, a payment processor). In this scenario, one or more payment mechanisms may be presented to the payor (which could be either a caller or a called party) during or after the call (e.g., while the parties still have a voice connection or after the voice connection is terminated).

[00235] In addition, in some scenarios a party may activate a payment mechanism before a call or without any voice call being established. For example, a caller may call a specified telephone number associated with one or more payment mechanisms, a payment processor that offers at least one mechanism, or a merchant or vendor that will receive proceeds of the payment. The caller may use one or more available mechanisms to pay a bill, make an installment payment, or satisfy some other existing debt before talking to a called party or even without talking to a called party or a representative of a called party (e.g., if the called party is an organization).

[00236] Alternatively, a call server, call controller, or other entity associated with a payment mechanism, payment processor, or a merchant/vendor may call a party's communication device (e.g., at a predetermined or pre-scheduled time, upon notification of a corresponding transaction or debt) and offer the payment mechanism to allow the called party to make a payment.

[00237] It will be understood that references to parties engaged in a call encompass the entity that initiated the call and any entity that received the call. An "entity" may therefore be an individual person or some kind of organization, such as a business, a government agency, a not-for-profit concern, etc. In the latter cases, the term "party" may refer to the organization and/or a person engaged in the call on behalf of the organization.

[00238] A payee or other entity that hosts, initiates, triggers, or invokes a payment mechanism may be call server 130 of FIG. 1, call controller 230 of FIG.

2, call server apparatus 1100 of FIG. 11, call server 1200 of FIG. 12, or some other computing component associated with or cooperating with an organization seeking or facilitating payment from a payor. In addition, a payor may proactively trigger or initiate a connection with such an entity using his or her smart phone, portable computing device, or some other computing or communication device.

[00239] FIG. 13 depicts collection of payment information from a payor according to some embodiments. In these embodiments, when terms of a transaction have been arranged – such as a pizza order – the payor may be offered any number of payment mechanisms, depending on which mechanisms the payee (e.g., a vendor, a merchant) accepts, which mechanisms are supported by the payor's device and communication service provider, which mechanisms the payor has configured on his or her device, etc. In the illustrated scenario, payment information window 1310 is displayed to offer the payor three options – PayPal®, Google Mobile Wallet, and credit/debit card. In other scenarios, any number (i.e., 1 or more) of the same and/or different options may be offered (e.g., Apple Pay®, Google Wallet™, Samsung Pay®).

[00240] Depending on the transaction, a payor may initiate payment via a selected payment mechanism before or after all details of the transaction are arranged. Thus, some embodiments allow transaction details and payment information to be arranged together or separately, and may occur before, during, or after a call between two parties.

[00241] In some implementations, a payor may pre-select one specific payment mechanism for all transactions, may select specific mechanisms to use for particular merchants or types of transactions, or may otherwise pre-determine which mechanisms are to be offered or used. Thus, in some situations, a payment process or payment information process may proceed directly to activation or implementation of a specified payment mechanism, instead of first requiring a payor to select a mechanism. A payment mechanism selected (or pre-approved)

for a particular transaction or type of transaction may also be applied to related services, such as shipping, service charges, guarantees (e.g., regarding service, quality, delivery), etc.

[00242] In the embodiments of FIG. 13, after the payor selects a payment mechanism, the payment process or payment information process proceeds normally according to the procedure(s) associated with the mechanism. Thus, the payor may be required to login (to authenticate himself or herself), select a financial account (e.g., credit card, debit card, bank account), provide a password, PIN, CVC (Card Verification Code), or some other security code, etc. If a payment mechanism was pre-selected and/or pre-configured by the payor, some of this information (e.g., which credit card to use, credit card number) may be automatically supplied by the payor's device (e.g., the application that generated and/or displayed window 1310).

[00243] The payor may also be prompted for other details, such as billing address, delivery address, telephone number, electronic mail address, and so on, to the extent such information was not already provided and is not pre-programmed or pre-specified and available from his or her device, or is needed to verify the payor's identity.

[00244] In embodiments in which the user's/payor's device includes a GPS component or other component that can provide trusted data regarding the device's location, time zone, current time, user status, and/or other factors, additional information may be captured as part of the payment process. For example, the application or service that captures the payment information may report, along with the other information provided by the payor (such as credit card number, PayPal ID), the time and/or location information of the payor's device, a manually entered signature (e.g., traced on a touch-screen component of device 1302), a fingerprint scan (if device 1302 includes a fingerprint sensor), etc. Illustratively, this information may be used by a fraud-detection algorithm of a

merchant or payment processor, may be used to verify the payor's identity, and/or may be used for other purposes.

[00245] If the payor's device includes a fingerprint sensor or other biometric sensor (e.g., retina scanner, voice analyzer), that component may be activated during or after a transaction conducted by the payor. For example, after the payor initiates a purchase in a brick-and-mortar establishment (i.e., not an online store or marketplace), a request for identity verification may be transmitted to the payor's device while the payor is interacting with a sales agent of the establishment or after such interaction. The identity verification may be performed or managed by a trusted intermediary, by the payor's communication service provider, by the payee, or some other entity. The verification may involve comparing the solicited fingerprint (or other biometric information) with an exemplar associated with the payor's chosen payment mechanism (e.g., a particular credit card or debit card).

[00246] Similarly, the payor's biometric sensor may be used to verify his or her identity in association with an on-line purchase. For example, the payor may register his or her biometric data ahead of time, such as by providing an exemplar fingerprint via his or her device (online or at a brick-and-mortar establishment), and that exemplar is saved for comparison with a verification version provided at the time of a transaction or as part of the payment process.

[00247] In some embodiments, a payor (a caller or a called party) may conduct a payment process in association with a voice call. In some implementations, for example, the payor's device is caused to visually display (e.g., on a touch-screen display component) representations of one or more payment mechanisms (e.g., as shown in FIG. 13). If this is done during a call, the other party (e.g., an agent or operator representing a merchant or vendor) may direct the payor to select a payment mechanism or means from the displayed options. The payor may select a desired option by touching a corresponding icon, swiping his or her payment card (if the device is equipped with a reader), taking a

photo of the payment card, identifying an account for making payment, or taking some other action. The payor may also be prompted to enter a security code (e.g., a CVC, a PIN) and/or details such as expiration date, billing address, shipping address, or electronic mail address, etc.

[00248] The other party may acknowledge selection and/or execution of the payment process, or such acknowledgement may be displayed on the device, during or after the call.

Content Sharing in Association with a Telephone Call

[00249] In illustrative embodiments, content presented to an operator or user of an electronic device may be personal, professional, commercial, or of some other nature. One party to a call or other type of communication connection established as discussed herein may select content for either or both parties to view or experience (or some or all parties, if there are more than two), or different parties may select content for other parties to view or experience. For example, during a delay in establishing the communication connection, and/or during or after the connection, content displayed only on one party's device may be transmitted to or retrieved by another party's device and displayed for that other party.

[00250] Thus, in one illustrative embodiment, one party accesses local or remote content (e.g., by browsing to a source or host of the content), before or during a call involving another party, and then shares that content with the other party. This sharing arrangement may involve content presented on the one party's device (e.g., a first device) being transmitted to the other party's device (e.g., a second device) from the first device (and through a call server or call controller if necessary), may involve the source of the content simultaneously transmitting the content to both the first device and the second device, under control of either or both parties or devices, or may involve identifying the content to the second device and causing that device to access the content.

[00251] In some embodiments, a party can annotate, highlight, elide, rearrange, draw upon, navigate, browse, fill in a form, or otherwise change the presentation of content shared with another party. Such changes may be applied only to the other party's interaction with the content, or may also propagate to additional parties (e.g., someone who receives the modified content from the other party).

[00252] In some implementations only the sharing party (e.g., the "one" party above) or the party with whom the content is shared (e.g., the "other" party above) can annotate or modify the presentation; in other implementations, either party can annotate or modify the presentation. Similarly, in some implementations the party with whom content is shared may be able to terminate the presentation of content on their device without requiring the sharing party's consent.

[00253] While sharing content, parties may be able to converse verbally and/or textually (e.g., via a chat interface), and/or one or both of them may be provided with video or a still image of the other. These options may be separately configurable by or for each party, or one party may control the options. Video presented pre-ring, in-call, and/or post-call may be two-way or one-way. In particular, each party may view the other party (or parties) or one party may view another party without that other party viewing the one party. In addition, video presented to a party may be live or recorded.

[00254] Purposes for sharing content between parties may vary from one implementation or scenario to another, and the nature of their interaction may also vary. For example, the parties may co-browse content that at least one of them wants to explore, with one of them directing navigation at one time, and possibly another party controlling presentation at another time. Thus, one of the parties may guide another through shared content, may demonstrate operation of an application or the device on which content is presented, or may otherwise provide some sort of instruction or guidance, which may be described as "assisted

sharing." As another example, one party may operate a camera attached to (or part of) his or her computing or communication device, perhaps to capture an ongoing event or something of interest or concern, and share the resulting images and/or video with another party. The images/video may be recorded or stored before they are shared, or may be shared in real-time or near real-time, as they are captured.

[00255] In an illustrative embodiment of assisted sharing, a first party interacts with a second party (e.g., a personal shopper, a salesperson, an agent, a concierge, a recommendation service, an expert or an individual licensed/certified in a particular area of knowledge, a customer service representative) that helps the first party locate something (e.g., information, a product, a service), select from among multiple options (e.g., versions of a product, levels of a service, solutions to a problem), configure a selected option (e.g., color or size of a product, term or breadth of a service, action to take to resolve or ameliorate a problem), and/or make some other decision. In this embodiment, either the first party or the second party may facilitate or control presentation of content at a given time, to navigate their displays to or within a particular website, to annotate their displays, to view different offerings, to configure a selected offering, to display a specific subject of discussion (e.g., an electronic or mechanical device requiring repair or diagnosis, a crime scene or other situation requiring analysis, a medical image or scan), etc.

[00256] In-call content during an assisted sharing session may comprise an interleaved sequence of content items contributed or identified by the two parties (or the two parties' devices). For example, the in-call content may include dialog between the parties, alternating selections of images (e.g., to finalize a selection or configuration of something), etc.

[00257] In some implementations, this assisted sharing embodiment may commence with a communication connection between the parties, in which case presentation of the content may begin for both parties after they are connected, and may be initiated by either party. As another option, the first party may view

some initial content alone, but then activate an application or a control that initiates the assisted sharing, or place a call that reaches the second party and then choose to initiate the assisted sharing. As yet another option, the second party may contact the first party (e.g., with a call, via electronic mail, via message (text or otherwise)) when the second party identifies a product or service with which the first party needs assistance or that is known or believed to be of interest to the first party, and either party may initiate the assisted sharing.

[00258] As indicated above, during assisted sharing, or while an assisted sharing session is being initiated or established, a party may select pertinent configuration options, such as which level or type of assistance is desired; whether audio, video, imagery, other media (or corresponding devices, such as a microphone or a camera) are enabled; how the media are configured (e.g., whether video is one-way or bi-directional); whether and when to terminate the session; selection of a payment mechanism (if a payment is required); etc. A delay in establishing an assisted sharing session may be implemented to allow configuration of the session, to allow a party to open content to be shared, to establish a call associated with the session, to transmit the shared content to or toward another party, and/or for some other reason.

[00259] In addition to pre-call identification of content to be shared (e.g., for assisted sharing), during the call a party may identify further content to be shared, by navigating the display of shared content or by selecting other (e.g., local) content to be shared with the other party or parties. Further, any party may identify content to be displayed to another party after the call is terminated. Content shared among parties may reside on some or all of the parties' devices prior to it being shared, and/or may be delivered to a given party's device at any time (or to a location from which it is directly or indirectly accessible to that device), including before, during, and after a communication connection between the parties.

[00260] In an illustrative implementation of assisted sharing, a first party may seek assistance with locating, configuring, or obtaining a desired product or service, and may share some initial content (e.g., a web page, an electronic mail message, a text message, a picture, a video, a hyperlink) with some type of shopping assistant able to assist someone in making a purchase. Subsequently, the assistant may control (e.g., select, navigate, annotate) some or all content presented to the first party, by following links in the initial content, by navigating to another web page or website, etc.

[00261] The assistant may also, however, select additional content to be presented to the first party during or after the call, such as content depicting other purchase options, accessories, details of a purchase, payment options, etc. Thus, assisted sharing may be implemented to help a person make a purchase, and content shared between the parties or selected by one party for presentation to the other, may encompass any related content, from any relevant source.

[00262] In another illustrative embodiment of assisted sharing, one or more applications on a communication device may be enhanced with controls for initiating an assisted sharing session with an assistant. The assistance that will be provided may relate to use or operation of the corresponding application, may relate to navigation of content via the application, may facilitate purchase or subscription to the application or a related service, may diagnose or solve a problem related to the application or content accessible via the application, or may be of some other nature.

[00263] Depending on the application, a control for initiating assisted sharing of content may be preconfigured to establish a communication connection with a representative of the application (or the organization that provides or supports the application), with an agent of a call center (e.g., a call center that provides agents supporting multiple applications), or with some other representative, and may cause the assisted sharing to begin immediately when the representative is connected, or sometime after the connection is established.

Real-Time Call Control and Agent Selection

[00264] In some embodiments, a system, method, and apparatus for presenting content in association with a communication connection (e.g., a telephone call) provide for real-time control of the connection, via dynamic call routing for example. In these embodiments, the voice and control/signaling channels of a telephone call are separated, such that the voice channel may continue to be handled by the appropriate telephone carrier, but the routing of the call is handled by an entity external to the carrier's network, such as a call processor, a call server, or a call controller described herein, or an entity that operates a call processor, a call server, or a call controller.

[00265] As used herein, the term "real-time" indicates that control of the communication connection is exercised as the connection is formed (e.g., to select and apply desired routing). In particular, the system or apparatus responds to discrete events (e.g., initiation of the communication connection, receipt of signaling from a telecommunication carrier's network) as they occur or with close temporal proximity (e.g., within milliseconds). Near real-time (or "near-time") control of a communication connection may also (or instead) be exercised, in which actions or responses may be slightly delayed, without exceeding the scope of embodiments described herein.

[00266] The voice channel of a real-time controlled telephone call may be routed to an agent, operator, or other representative of a called party (e.g., via POTS or Plain Old Telephone System, via VoIP or Voice over Internet Protocol), who may be selected based on information associated with the call (e.g., caller ID), the caller, and/or available representatives, such as (but not limited to) their locations and/or local times. The representative's handling of the call may be aided by making useful information available to the representative via a computing device operated by the representative (e.g., information about the caller, information about a good or service desired by the caller).

[00267] U.S. Patent No. 7,418,092 (the '092 patent), entitled Virtual Call Center, describes how real-time call control may operate in some implementations, and is incorporated herein by reference.

[00268] FIG. 14 illustrates an environment in which content can be presented to a caller and/or a called party in association with a call controlled in real-time, according to some embodiments. In some implementations, this environment may be considered a virtual call center (or, alternatively, a virtual contact center) because it may support routing/control of calls to representatives of any number of called parties, and the representatives need not be co-located with the call center communication equipment.

[00269] In the illustrated environment, communication gateway 1402 receives telephone calls from callers after they are routed through a Local Exchange Carrier (LEC) or other entity or entities. The call may be conveyed via the PSTN (Public Switched Telephone Network), via VoIP (Voice over Internet Protocol), or some other communication technology. Gateway 1402 notifies call controller 1410 of a new call, and routes a signal/control channel of the call to the call controller 1410, which instructs the gateway where to terminate the voice channel of the call (e.g., a selected agent 1440, such as agent 1440a). Gateway 1402 may include components for receiving the call, routing or terminating the voice channel, notifying the call controller, and/or taking other action; alternatively, it may operate in a cooperative manner with such entities to perform the functions described herein. In some embodiments, call controller 1410 (or a system that includes the call controller) comprises gateway 1402.

[00270] Call controller 1410 includes network interface 1412 for receiving notification of a call (from gateway 1402) and identifying to the gateway a destination or termination point for the call's voice channel (e.g., a selected agent's communication device). Call router 1414 executes routing logic to select the destination, which may include identifying available agents, identifying the caller, matching attributes/characteristics of the caller and

available agents (e.g., language, age, gender, goods/services desired by the caller, goods/services with which the agents are familiar), determining a (likely) purpose of the call, and/or other action.

[00271] Agent interface 1416 of call controller 1410 establishes a data connection with a computing device operated by the selected agent. The data connection may be used to provide the agent with information about the caller (e.g., name, preferences, past orders, physical or mailing address, electronic mail address, telephone number), and may also be used by the agent to retrieve information for use during his or her communication with the caller (e.g., to obtain product information, to place an order), via call controller 1410 and/or other sources (e.g., via the Internet, not shown in FIG. 14).

[00272] Each agent 1440 is associated with a communication device (e.g. a telephone), which may receive calls routed from gateway 1402 via the PSTN and/or VoIP, and which allows the agent to converse with callers, and a computing device for supporting the agent's interaction with a caller. Although embodiments are described as implemented to receive calls, in other embodiments, an agent may place a call to a private individual, thereby establishing the communication connection in the reverse manner.

[00273] FIG. 15 is a flow chart demonstrating a method of presenting relevant content to a caller in association with a call, with real-time call control, according to some embodiments. In other embodiments, one or more of the illustrated operations may be omitted, repeated, and/or performed in a different order. Accordingly, the specific arrangement of steps shown in Figure 15 should not be construed as limiting the scope of the embodiments.

[00274] In the illustrated embodiments, a virtual call center, call server, call controller, or comparable entity is configured to receive telephone calls (and possibly to initiate calls), determine a suitable termination point for a voice portion of an incoming call (e.g., a particular agent, representative, or operator),

route the voice channel accordingly, and facilitate presentation of content to any or all parties to the call, pre-ring/pre-call, in-call, and/or post-call.

[00275] In operation 1502, a telephone call is received at a switch, gateway, interface, or other entity. In operation 1504, a control or signaling portion of the call is routed to a call controller or other entity capable of determining a destination for the voice portion of the call.

[00276] In operation 1506, the call controller (or other entity) identifies a termination point for the voice channel, which may be a communication device (e.g., a telephone) associated with a particular agent, as shown in FIG. 14. In different implementations, the destination agent may be selected in different ways or based on different information.

[00277] For example, if the caller is unknown (e.g., the caller's telephone number is unknown), the voice channel may be routed to any available agent or the next available agent. A language spoken by the caller may be assumed (e.g., based on the location/area code/country code of the caller's telephone number, and a compatible agent selected. If the caller is known (e.g., the calling telephone number is associated with a known user or customer), the voice channel may be routed to an agent likely to conduct a successful or friendly discussion with the caller.

[00278] In the latter case, when selecting a suitable agent the call controller may consider factors such as the caller's geographical area (e.g., based on the area code of his or her telephone number), language, sex, age (or age range), purchase history (with the called party and/or other vendors), frequency of communication with the called party, and/or other caller characteristics, as well as (or instead of) attributes of agents with whom the caller has interacted successfully or productively, a recent (e.g., the most recent) transaction between the caller and the called party, an account status of the caller, etc. The call controller may also consider factors concerning the agent, such as the agent's known language(s), gender, age, experience, rating, availability, success rate (e.g.,

how successful he or she is with telephone customers), location (e.g., local, remote), cost (e.g., salary, commission), and/or other agent characteristics, the time of day, the quality of communication channels to the agent, the cost of routing the call to the agent, etc.

[00279] In operation 1508, a data connection is established between the agent and the call controller or a cooperating component (e.g., an agent interface of a call server). An initial portion of data may be provided via this data connection, which may notify the agent of the call, identify the caller (e.g., by name, by telephone number, by account number), provide a status of the caller's account or a recent order placed by the caller (for a good or service), and/or other information.

[00280] In some implementations, the caller may be included in at least part of the data connection. If the caller is calling from a smart phone, for example, or is using VoIP from his or her computer, data communications may be conducted with the caller's device to share content (e.g., multimedia content) between the caller and agent, display product/service options to the caller, receive custom data from the caller (e.g., to personalize a product), etc.

[00281] In operation 1510, the voice channel is connected to the specified destination. This may cause a telephone or other communication device of a selected agent or representative to ring. When the caller and/or the agent eventually hang-up or otherwise terminate the communication connection, the voice and data connections are disconnected and the method ends.

[00282] As described in previous sections, selected content may be presented to the caller and/or the agent/representative (and/or other parties to the call, if any) before, during, and/or after the call. Thus, before the call is answered by the selected agent, the caller may be offered content related to an account held by the caller with the called party (e.g., an order status, an account balance), descriptions of available goods and services, the status of the call (e.g., how soon it is expected to be answered), etc. As indicated above, the agent may be

provided content related to the caller, a previous transaction involving the caller, a script or guide for handling the call, etc.

[00283] During the call, either or both parties may be provided content related to their discussion, such as product/service descriptions and options, payment mechanisms, and so on. The agent, for example, may select content to be presented to the caller in order to inform him or her of available product configurations (e.g., size, color), to show examples of the result of services the caller may purchase, etc.

[00284] After the call, the caller may receive a summary, transcript, or other record of the discussion, a receipt for a purchase made during the call, and/or other content, while the agent may receive (and/or manipulate) data related to the transaction with the caller.

[00285] To facilitate delivery of pre-ring content to parties via a communication connection (e.g., caller, agent), and/or for other purposes (e.g., to select a suitable agent), a telephone call may be delayed as described previously (e.g., by signaling or instructing a caller's device to delay dialing the call) and/or by delaying the call after it is received at a gateway (e.g., gateway 1402 of FIG. 4). Thus, after a call is received at the gateway, and while a call controller or other entity is being notified of the call and is selecting or identifying a termination point for (the voice channel of) the call, the call may be held or delayed by the gateway.

[00286] Data structures and code described in this detailed description are typically stored on a computer-readable storage medium, which may be any device or medium that can store code and/or data for use by a computer system. The computer-readable storage medium includes, but is not limited to, volatile memory, non-volatile memory, magnetic and optical storage devices such as disk drives, magnetic tape, CDs (compact discs), DVDs (digital versatile discs or digital video discs), or other media capable of storing computer-readable media now known or later developed.

[00287] Methods and processes described in the detailed description can be embodied as code and/or data, which can be stored in a computer-readable storage medium as described above. When a computer system reads and executes the code and/or data stored on the computer-readable storage medium, the computer system performs the methods and processes embodied as data structures and code and stored within the computer-readable storage medium.

[00288] Furthermore, methods and processes described herein can be included in hardware modules or apparatus. These modules or apparatus may include, but are not limited to, an application-specific integrated circuit (ASIC) chip, a field-programmable gate array (FPGA), a dedicated or shared processor that executes a particular software module or a piece of code at a particular time, and/or other programmable-logic devices now known or later developed. When the hardware modules or apparatus are activated, they perform the methods and processes included within them.

[00289] The foregoing descriptions of embodiments have been presented for purposes of illustration and description only. They are not intended to be exhaustive or limiting. Accordingly, many modifications and variations will be apparent to practitioners skilled in the art. The scope of the invention is defined by the appended claims, not the preceding disclosure.

What Is Claimed Is:

1. A method of facilitating presentation of content on a communication device, the method comprising:

receiving notification of a call from a first communication device;

in response to the notification:

delaying routing of the call without soliciting action by a first operator of the first communication device; and

selecting a second operator of a second communication device to receive the call;

separating the call into a signaling channel and a voice channel; and

connecting the voice channel of the call to the second communication device after termination of the delay.

2. The method of claim 1, further comprising, in response to the notification:

causing to be transmitted, to one or more of the first communication device and the second communication device, pre-ring content delivered before the call rings at the second communication device.

3. The method of claim 1, wherein:

the notification comprises a notification of initiation of the call; and

delaying routing of the call comprises transmitting a signal to the first communication device to delay dialing the call.

4. The method of claim 1, wherein:

the notification comprises a notification of receipt of the call at a gateway; and

delaying routing of the call comprises delaying connection of the voice

channel of the call from the gateway to the second communication device.

5. The method of claim 1, wherein receiving the notification comprises receiving the signaling channel.

6. The method of claim 1, further comprising, prior to receiving the notification:

receiving the call, at a gateway, from a public switched telephone network;

wherein receiving the notification comprises receiving the notification at a call controller, from the gateway; and

wherein the call controller selects the second operator.

7. The method of claim 6, wherein connecting the call comprises:

signaling the gateway, by the call controller, to direct the voice channel of the call to the second communication device.

8. The method of claim 1, further comprising:

after connecting the call to the second communication device, causing to be transmitted, to one or more of the first communication device and the second communication device, in-call content delivered during the call.

9. The method of claim 8, wherein the in-call content comprises content displayed simultaneously, during the call, on the first communication device and the second communication device.

10. The method of claim 8, wherein the in-call content comprises a first sequence of content items from the first communication device interleaved with a second sequence of content items from the second communication device.

11. The method of claim 1, further comprising:

causing to be transmitted, to one or more of the first communication device and the second communication device, post-call content delivered after the call is terminated.

12. The method of claim 11, wherein said causing to be transmitted comprises transmitting a reference to the post-call content to the one or more of the first communication device and the second communication device.

13. A non-transitory computer-readable medium storing instructions that, when executed by a processor, cause the processor to perform a method of facilitating presentation of content on a communication device, the method comprising:

receiving notification of a call from a first communication device;

in response to the notification:

delaying routing of the call without soliciting action by a first operator of the first communication device; and

selecting a second operator of a second communication device to receive the call;

separating the call into a signaling channel and a voice channel; and

connecting the voice channel of the call to the second communication device after termination of the delay.

14. An apparatus for facilitating presentation of content on a communication device, the apparatus comprising:

one or more processors; and

memory storing instructions that, when executed by the one or more processors, cause the apparatus to:

receive notification of a call from a first communication device;

in response to the notification:

delay routing of the call without soliciting action by a first operator of the first communication device; and

select a second operator of a second communication device to receive the call;

separate the call into a signaling channel and a voice channel; and

connect the voice channel of the call to the second communication device after termination of the delay.

15. The apparatus of claim 14, wherein the memory further stores instructions that, when executed by the one or more processors, cause the apparatus to, in response to the notification:

cause to be transmitted, to one or more of the first communication device and the second communication device, pre-ring content delivered before the call rings at the second communication device.

16. The apparatus of claim 14, wherein:

the notification comprises a notification of initiation of the call; and

delaying routing of the call comprises transmitting a signal to the first communication device to delay dialing the call.

17. The apparatus of claim 14, wherein:

the notification comprises a notification of receipt of the call at a gateway; and

delaying routing of the call comprises delaying connection of the voice channel call from the gateway to the second communication device.

18. The apparatus of claim 14, wherein receiving the notification

comprises receiving the signaling channel.

19. The apparatus of claim 14, wherein the memory further stores instructions that, when executed by the one or more processors, cause the apparatus to, prior to receiving the notification:

receive the call, at a gateway, from a public switched telephone network;

wherein receiving the notification comprises receiving the notification at a call controller, from the gateway; and

wherein the call controller selects the second operator.

20. The apparatus of claim 19, wherein connecting the call comprises:

signaling the gateway, by the call controller, to direct the voice channel of the call to the second communication device.

21. The apparatus of claim 14, wherein the memory further stores instructions that, when executed by the one or more processors, cause the apparatus to:

after connecting the call to the second communication device, cause to be transmitted, to one or more of the first communication device and the second communication device, in-call content delivered during the call.

22. The apparatus of claim 21, wherein the in-call content comprises content displayed simultaneously, during the call, on the first communication device and the second communication device.

23. The apparatus of claim 14, wherein the memory further stores instructions that, when executed by the one or more processors, cause the apparatus to, further comprising:

causing to be transmitted, to one or more of the first communication

device and the second communication device, post-call content delivered after the call is terminated.

Page 303 of 327 (IPR2026-00255)
Cisco Systems, Inc. v. Vusura Technology LLC

METHOD AND APPARATUS FOR CONTENT PRESENTATION IN ASSOCIATION WITH A COMMUNICATION CONNECTION

ABSTRACT

A method and apparatus are provided for presenting content to a caller and/or a called party in association with a telephone call or other communication connection. Content may be presented pre-ring (before the called party's telephone rings), in-call, and/or post-call, and may be related to a party participating in the call or may be related to a third party. Presentation of specified content may include assisted sharing, wherein both parties view the same content and one guides or assists the other. A received call may be split into signal and voice channels, with the signal channel used to notify a call controller of the call and the voice channel being directed to an agent selected by the call controller to handle the call.

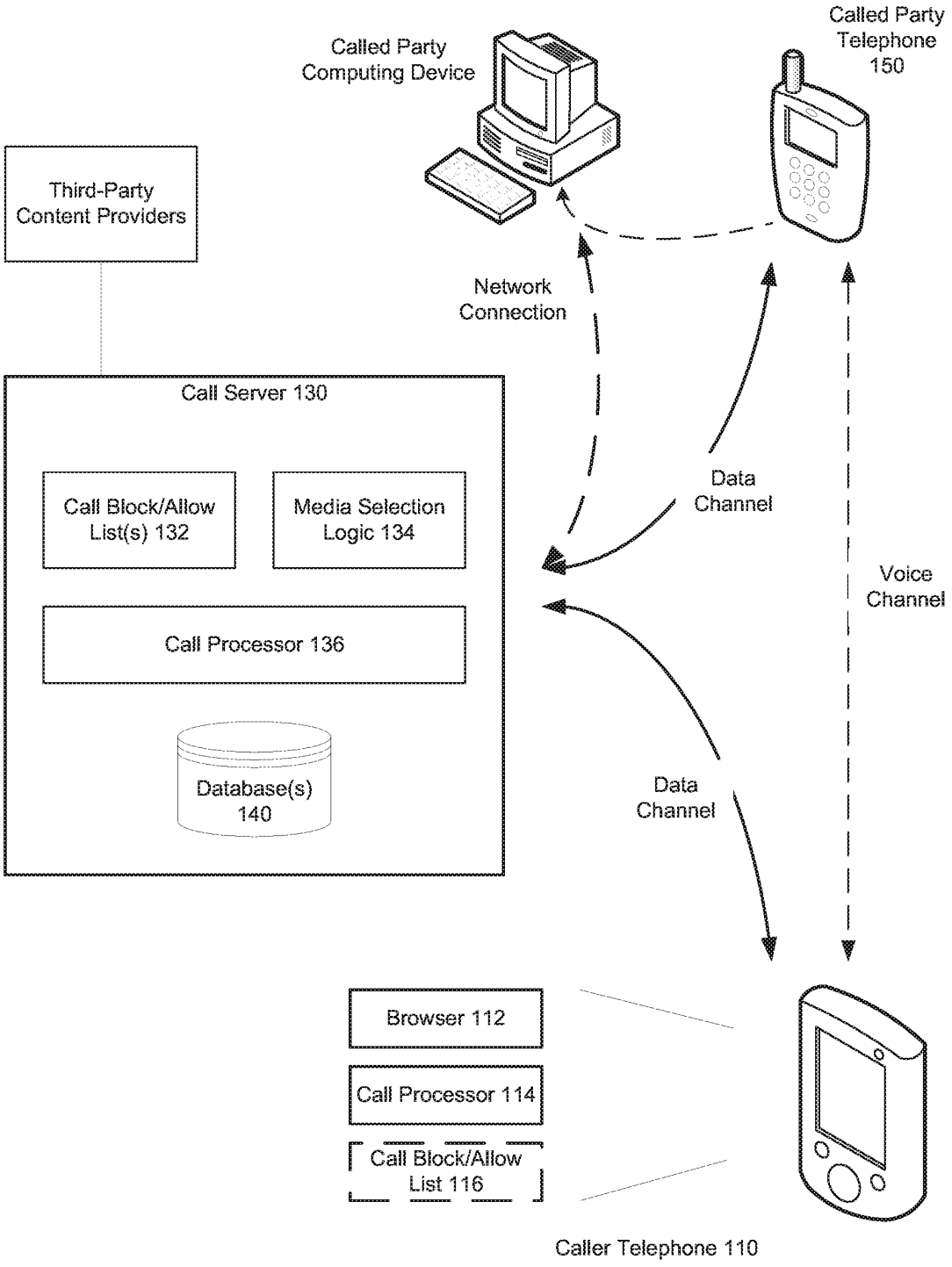

Called Party
Computing Device
Called Party
Telephone
150
Third-Party
Content Providers
Network
Connection
Call Server 130
Call Block/Allow
List(s) 132
Media Selection
Logic 134
Call Processor 136
Database(s)
140
Data
Channel
Voice
Channel
Data
Channel
Browser 112
Call Processor 114
Call Block/Allow
List 116
Caller Telephone 110

FIG. 1

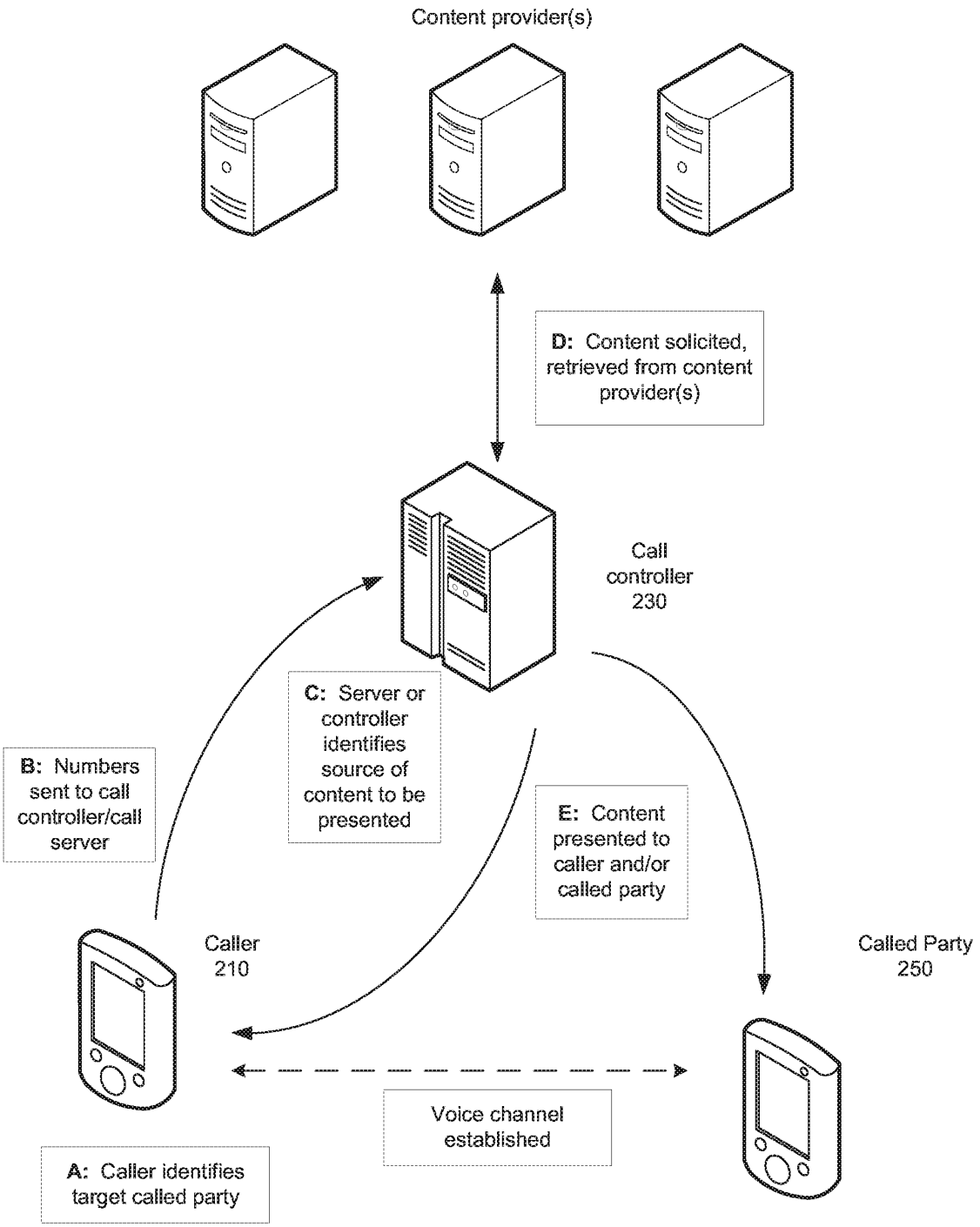

Content provider(s)
D: Content solicited, retrieved from content provider(s)
Call controller 230
C: Server or controller identifies source of content to be presented
B: Numbers sent to call controller/call server
E: Content presented to caller and/or called party
Caller 210
Called Party 250
Voice channel established
A: Caller identifies target called party

FIG. 2


Content 310
1-800-flowers.com
Content 350
Marriott
Upgrade to this Ocean View now:

FIG. 3

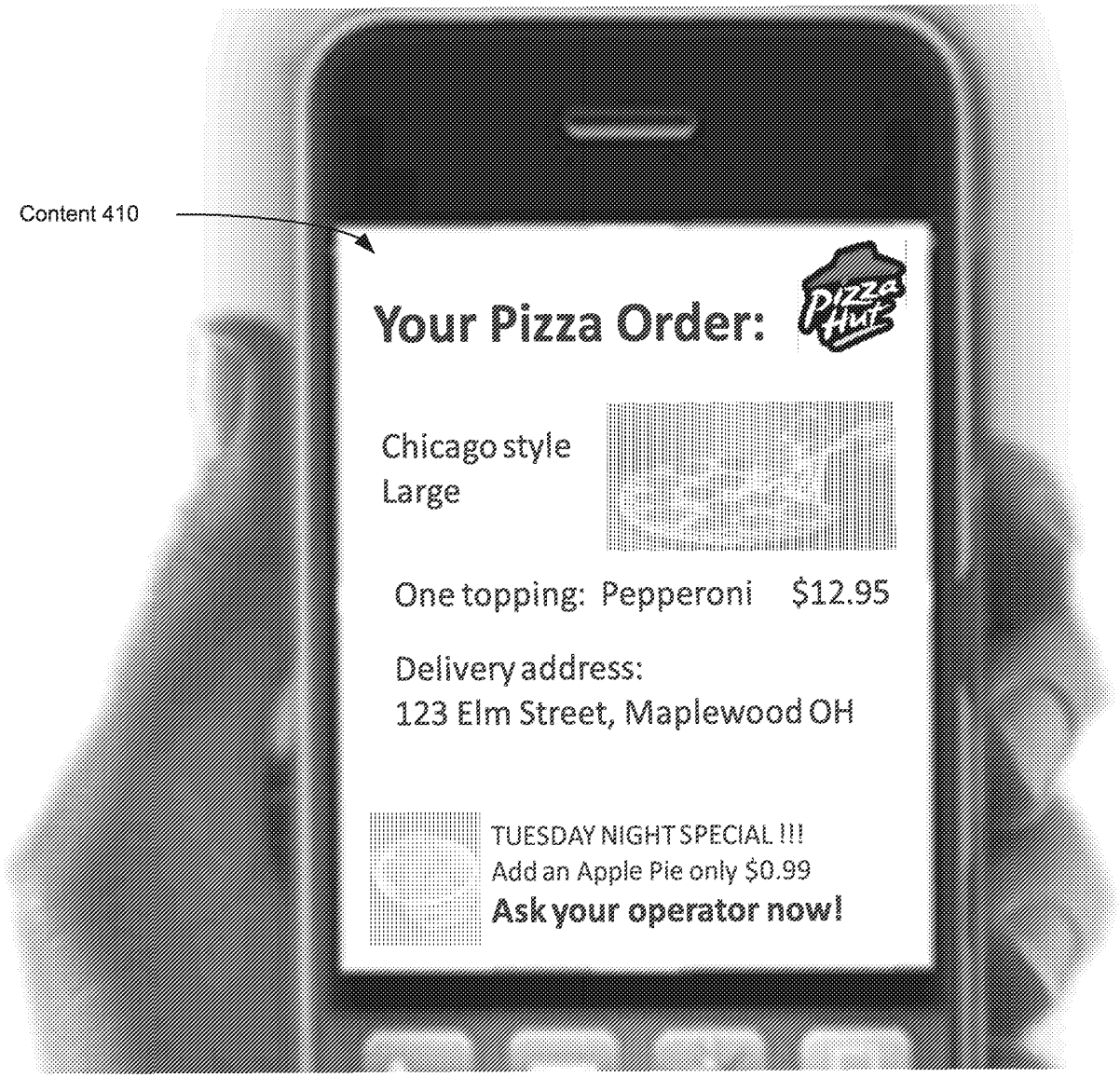

Content 410
Your Pizza Order:
Chicago style
Large
One topping: Pepperoni $12.95
Delivery address:
123 Elm Street, Maplewood OH
TUESDAY NIGHT SPECIAL !!!
Add an Apple Pie only $0.99
Ask your operator now!

FIG. 4

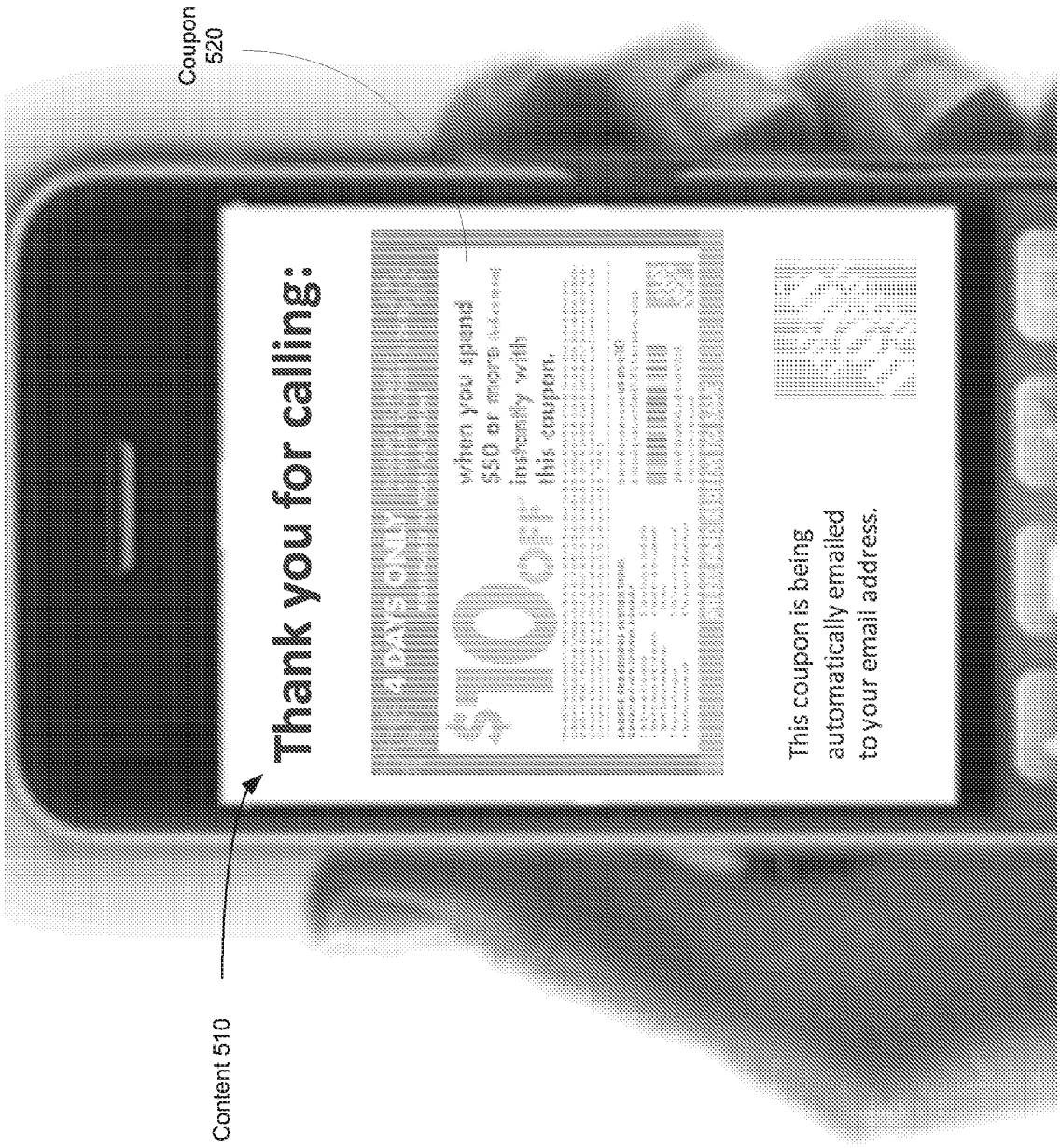

Coupon
520
Thank you for calling:
$10 OFF
when you spend
$50 or more
instantly with
this coupon.
This coupon is being
automatically emailed
to your email address.
Content 510

FIG. 5

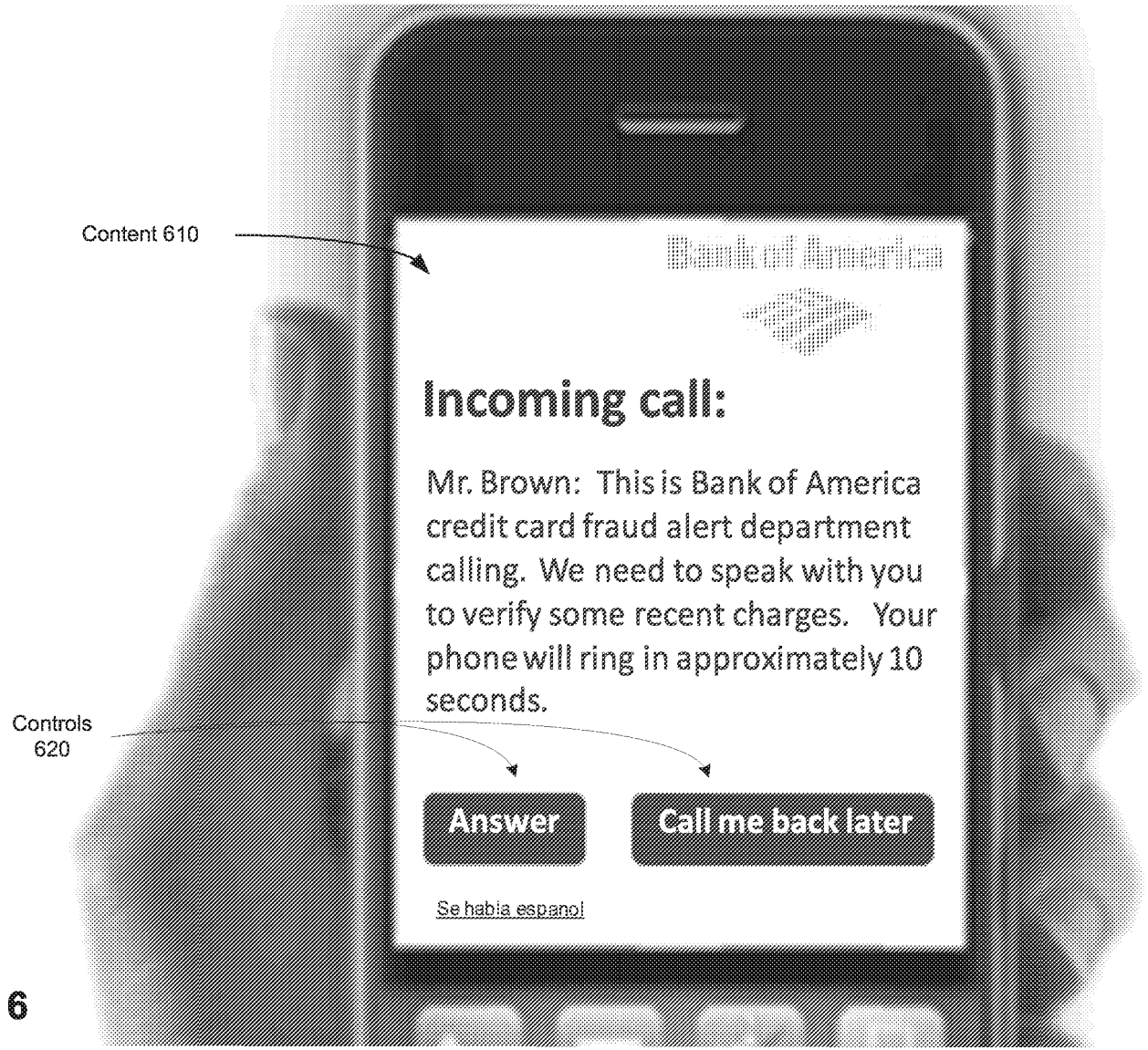

Content 610
Incoming call:
Mr. Brown: This is Bank of America credit card fraud alert department calling. We need to speak with you to verify some recent charges. Your phone will ring in approximately 10 seconds.
Controls 620
Answer
Call me back later
Se habla espanol

FIG. 6

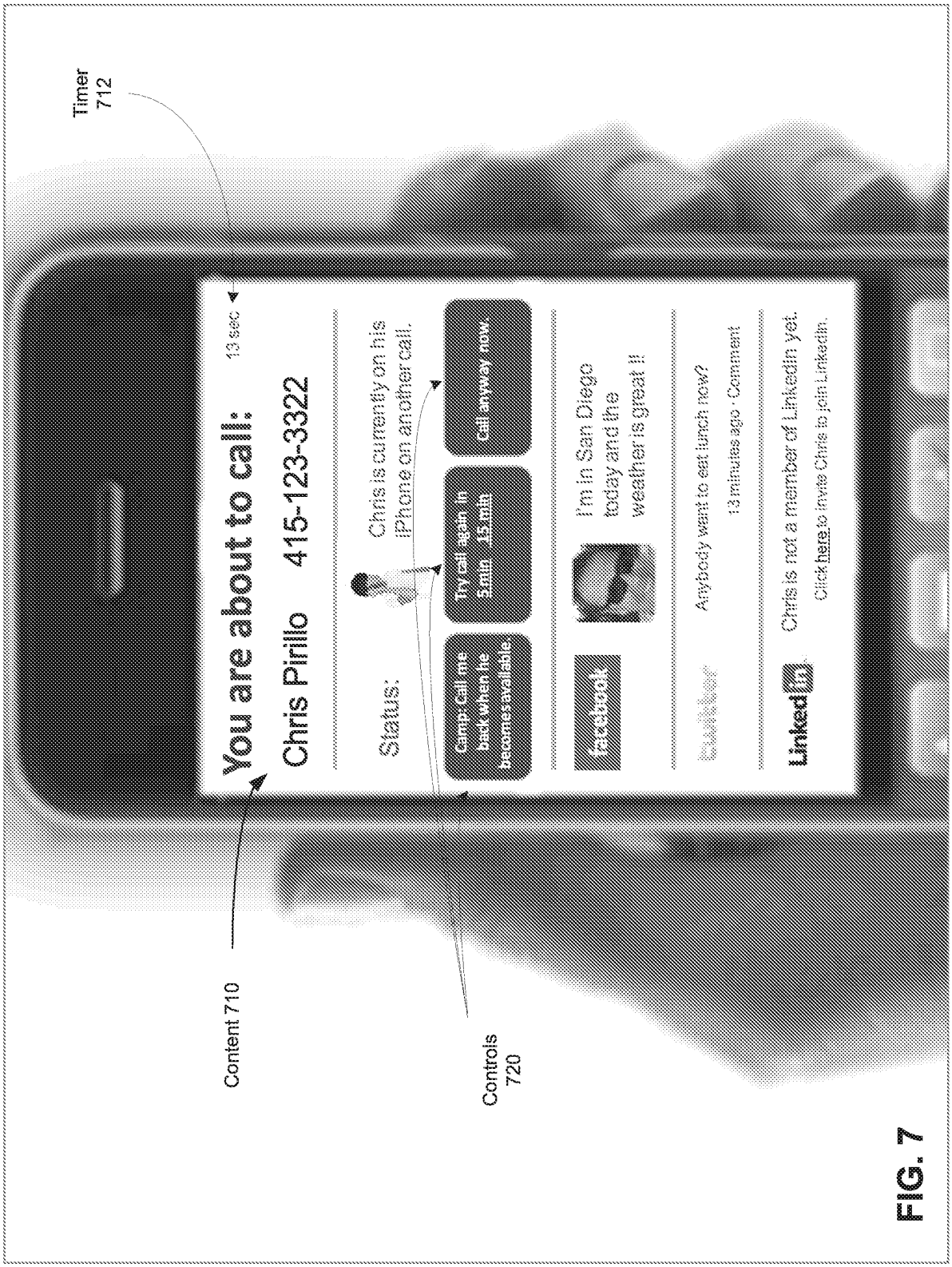

Timer
712
You are about to call:
13 sec
Chris Pirillo 415-123-3322
Status:
Chris is currently on his iPhone on another call.
Camp: Call me back when he becomes available
Try call again in 5 min 15 min
Call anyway now
I'm in San Diego today and the weather is great !!
Anybody want to eat lunch now?
13 minutes ago · Comment
Chris is not a member of LinkedIn yet.
Click here to invite Chris to join LinkedIn.
Content 710
Controls
720

FIG. 7

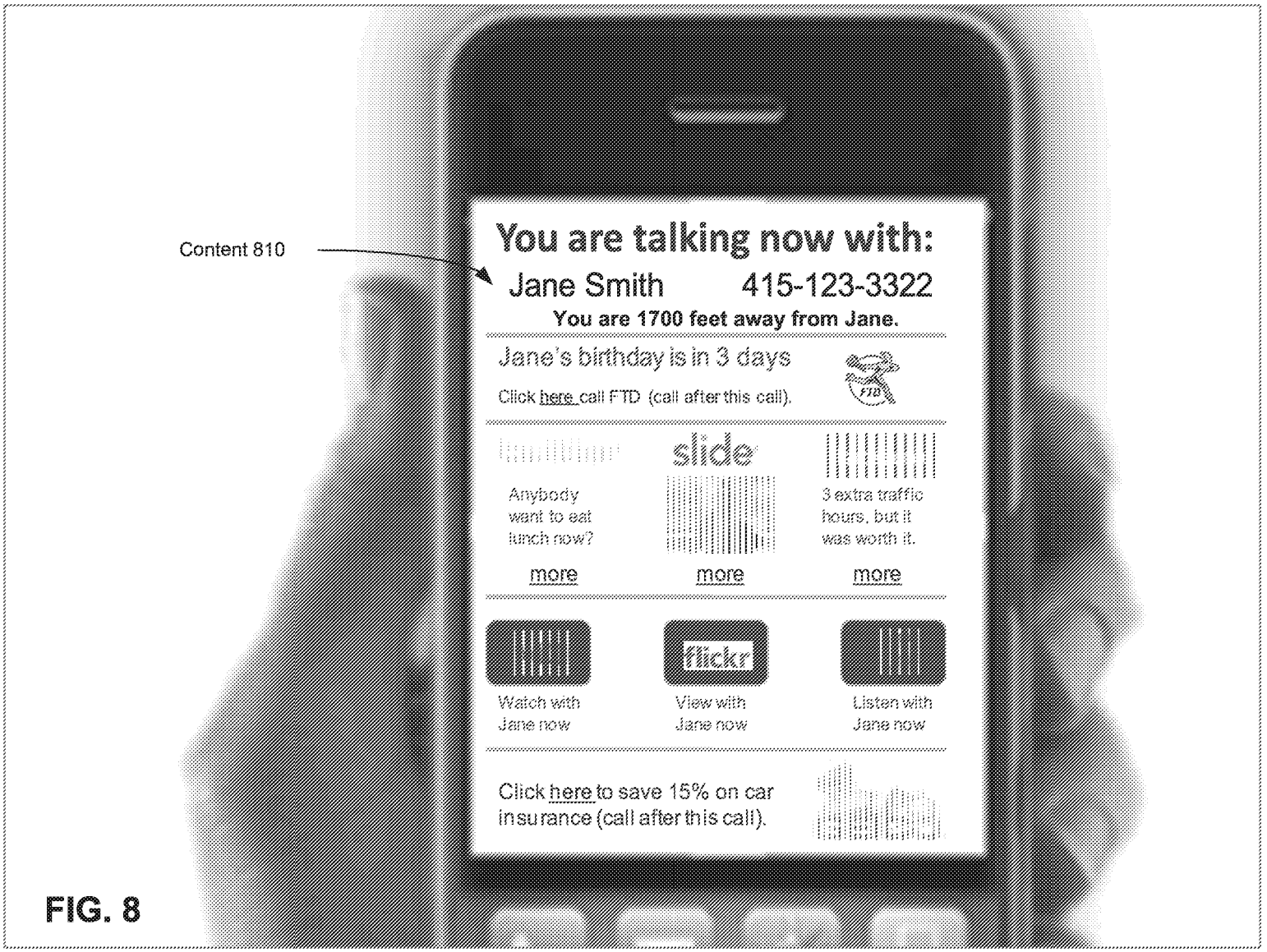

Content 810
You are talking now with:
Jane Smith 415-123-3322
You are 1700 feet away from Jane.
Jane's birthday is in 3 days
Click here call FTD (call after this call).
slide
Anybody want to eat lunch now?
3 extra traffic hours, but it was worth it.
more
more
more
flickr
Watch with Jane now
View with Jane now
Listen with Jane now
Click here to save 15% on car insurance (call after this call).

FIG. 8

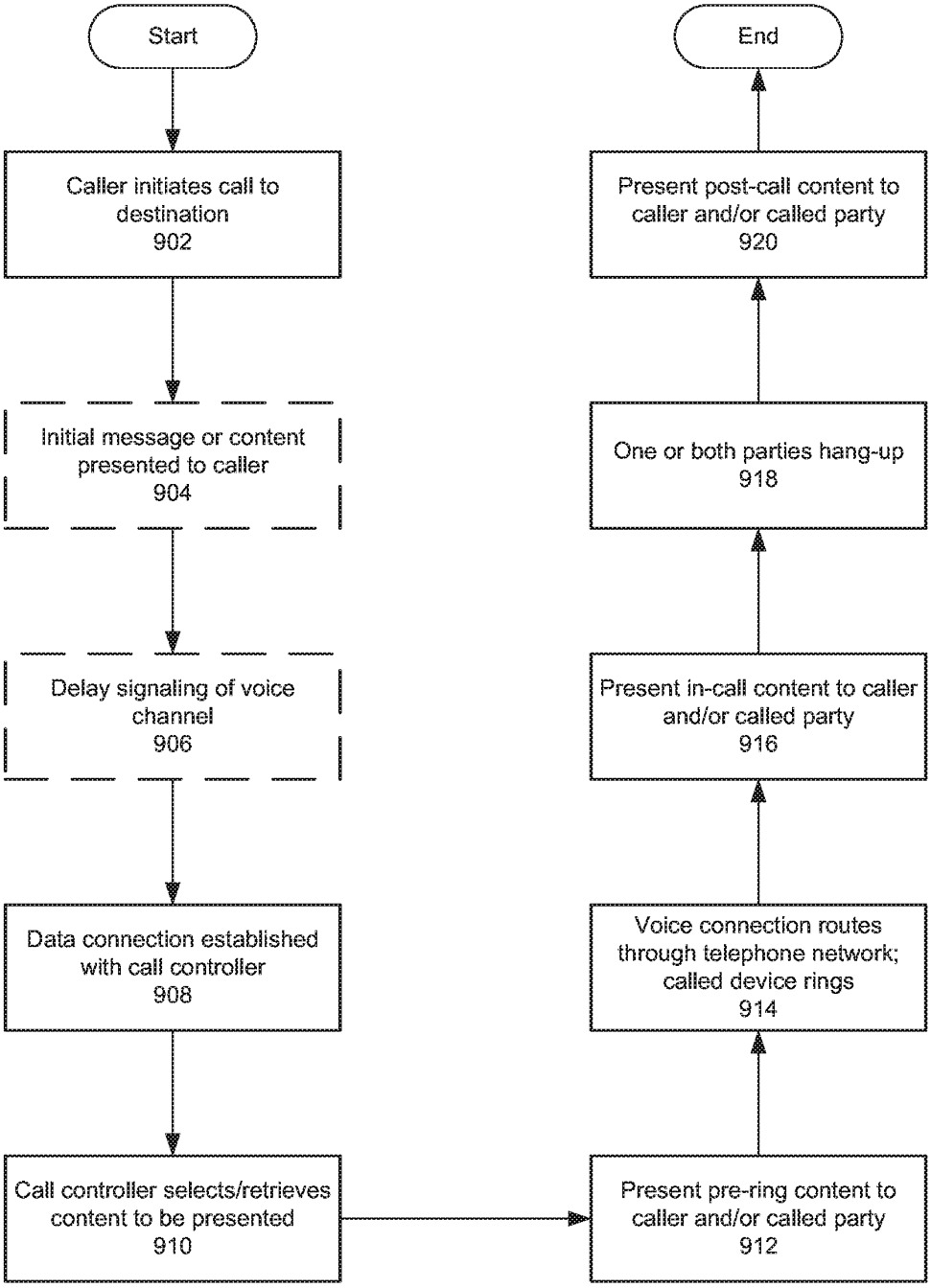

Start
Caller initiates call to destination
902
Initial message or content presented to caller
904
Delay signaling of voice channel
906
Data connection established with call controller
908
Call controller selects/retrieves content to be presented
910
Present pre-ring content to caller and/or called party
912
Voice connection routes through telephone network; called device rings
914
Present in-call content to caller and/or called party
916
One or both parties hang-up
918
Present post-call content to caller and/or called party
920
End

FIG. 9

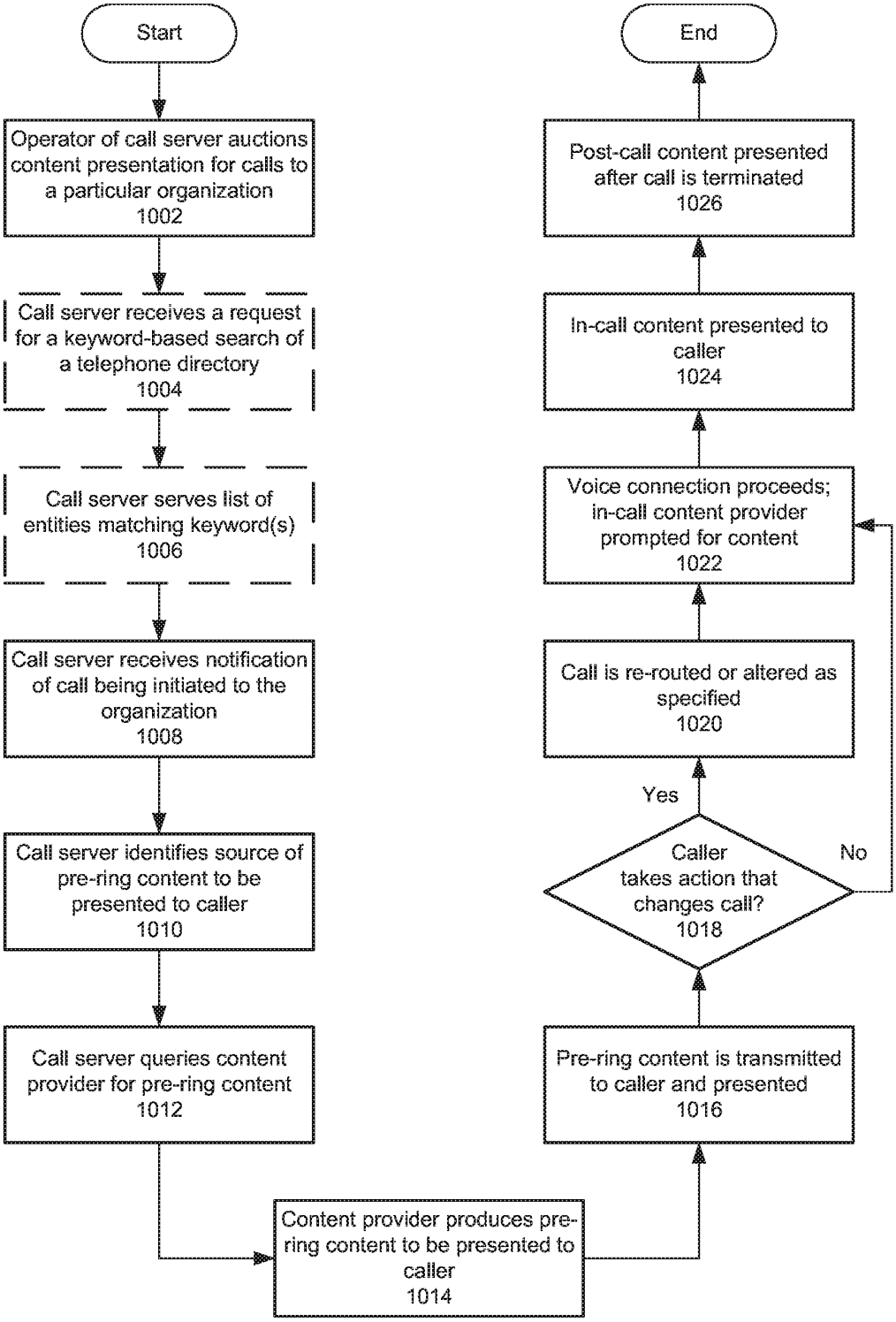

Start
Operator of call server auctions content presentation for calls to a particular organization
1002
Call server receives a request for a keyword-based search of a telephone directory
1004
Call server serves list of entities matching keyword(s)
1006
Call server receives notification of call being initiated to the organization
1008
Call server identifies source of pre-ring content to be presented to caller
1010
Call server queries content provider for pre-ring content
1012
Content provider produces pre-ring content to be presented to caller
1014
Pre-ring content is transmitted to caller and presented
1016
Caller takes action that changes call?
1018
Yes
No
Call is re-routed or altered as specified
1020
Voice connection proceeds; in-call content provider prompted for content
1022
In-call content presented to caller
1024
Post-call content presented after call is terminated
1026
End

FIG. 10

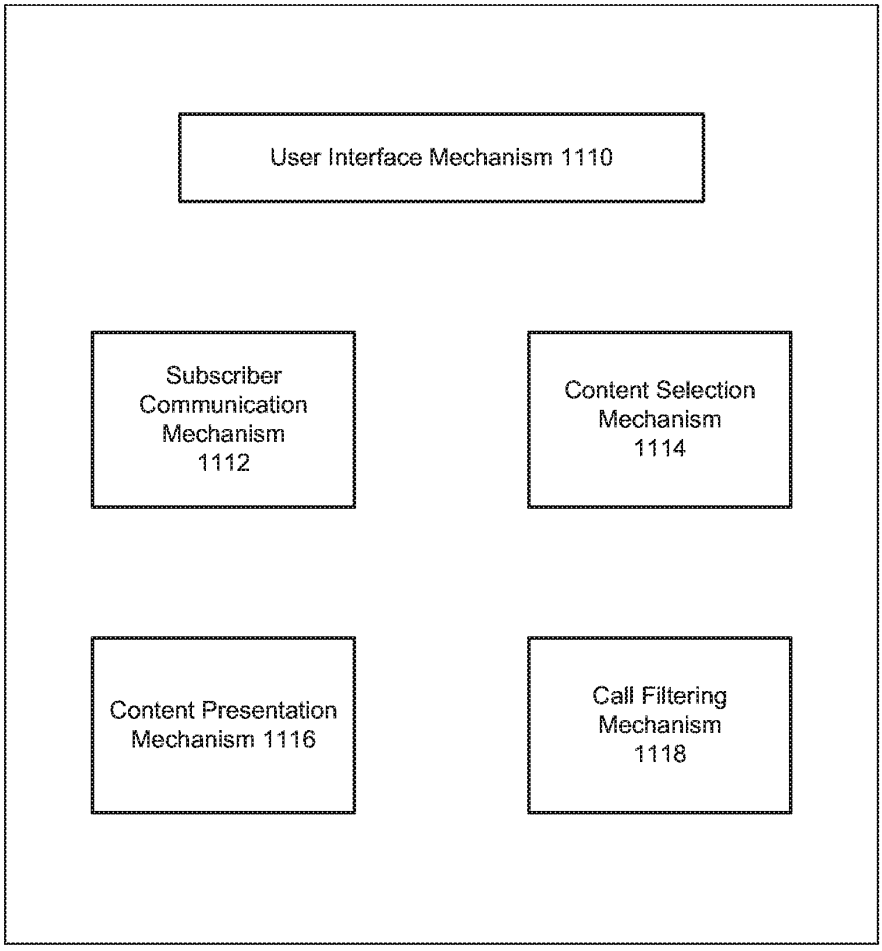

User Interface Mechanism 1110
Subscriber Communication Mechanism 1112
Content Selection Mechanism 1114
Content Presentation Mechanism 1116
Call Filtering Mechanism 1118
Call Server Apparatus 1100

FIG. 11

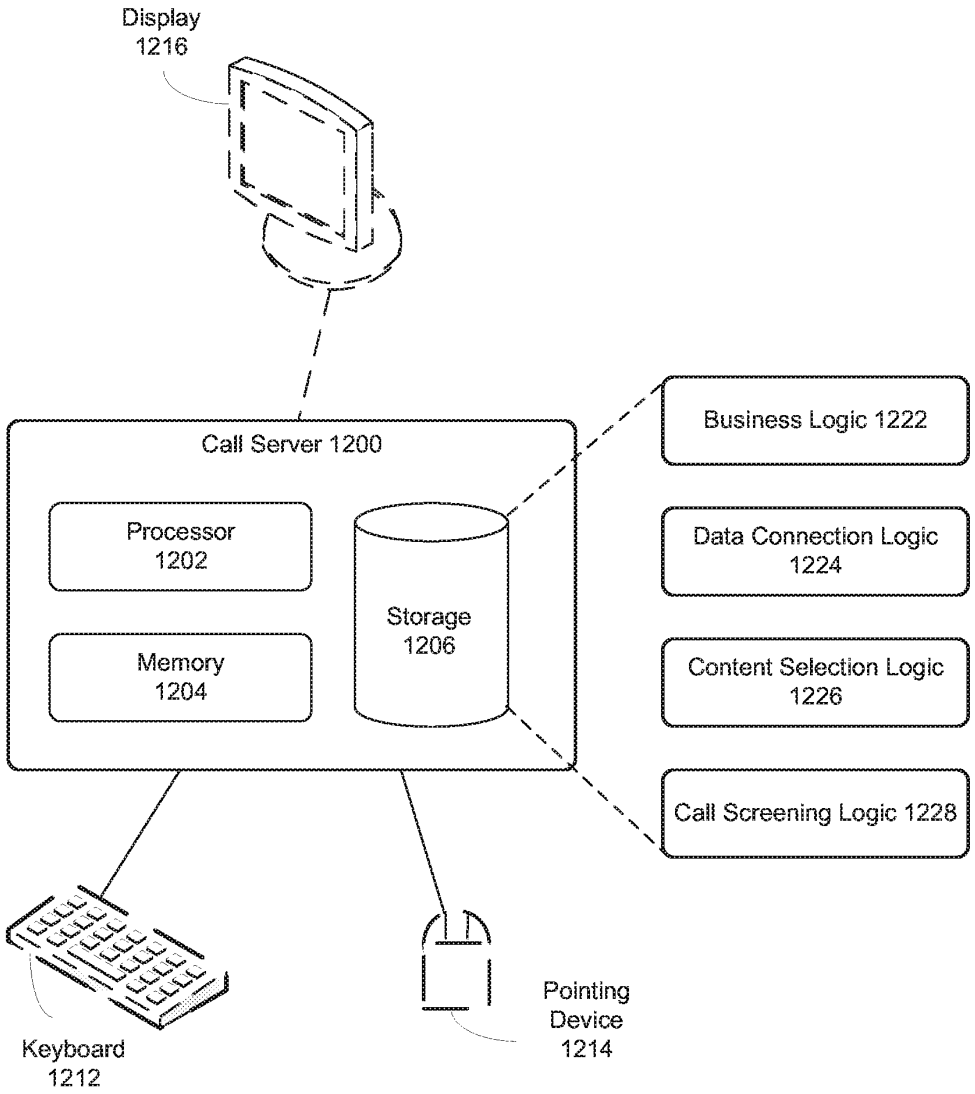

Display
1216
Call Server 1200
Processor
1202
Memory
1204
Storage
1206
Business Logic 1222
Data Connection Logic
1224
Content Selection Logic
1226
Call Screening Logic 1228
Keyboard
1212
Pointing
Device
1214

FIG. 12

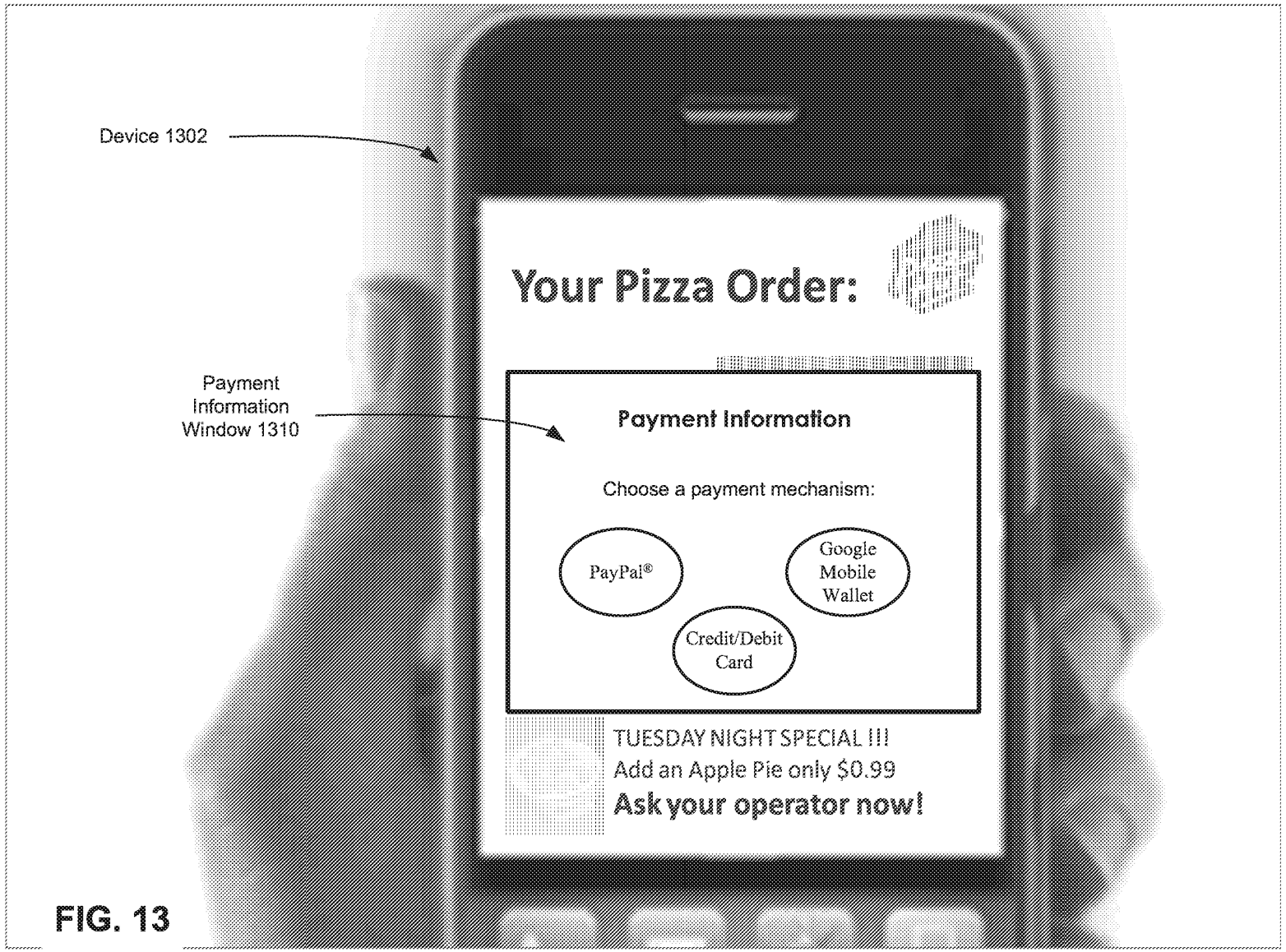

Device 1302
Payment Information Window 1310
Your Pizza Order:
Payment Information
Choose a payment mechanism:
PayPal®
Google Mobile Wallet
Credit/Debit Card
TUESDAY NIGHT SPECIAL !!!
Add an Apple Pie only $0.99
Ask your operator now!

FIG. 13

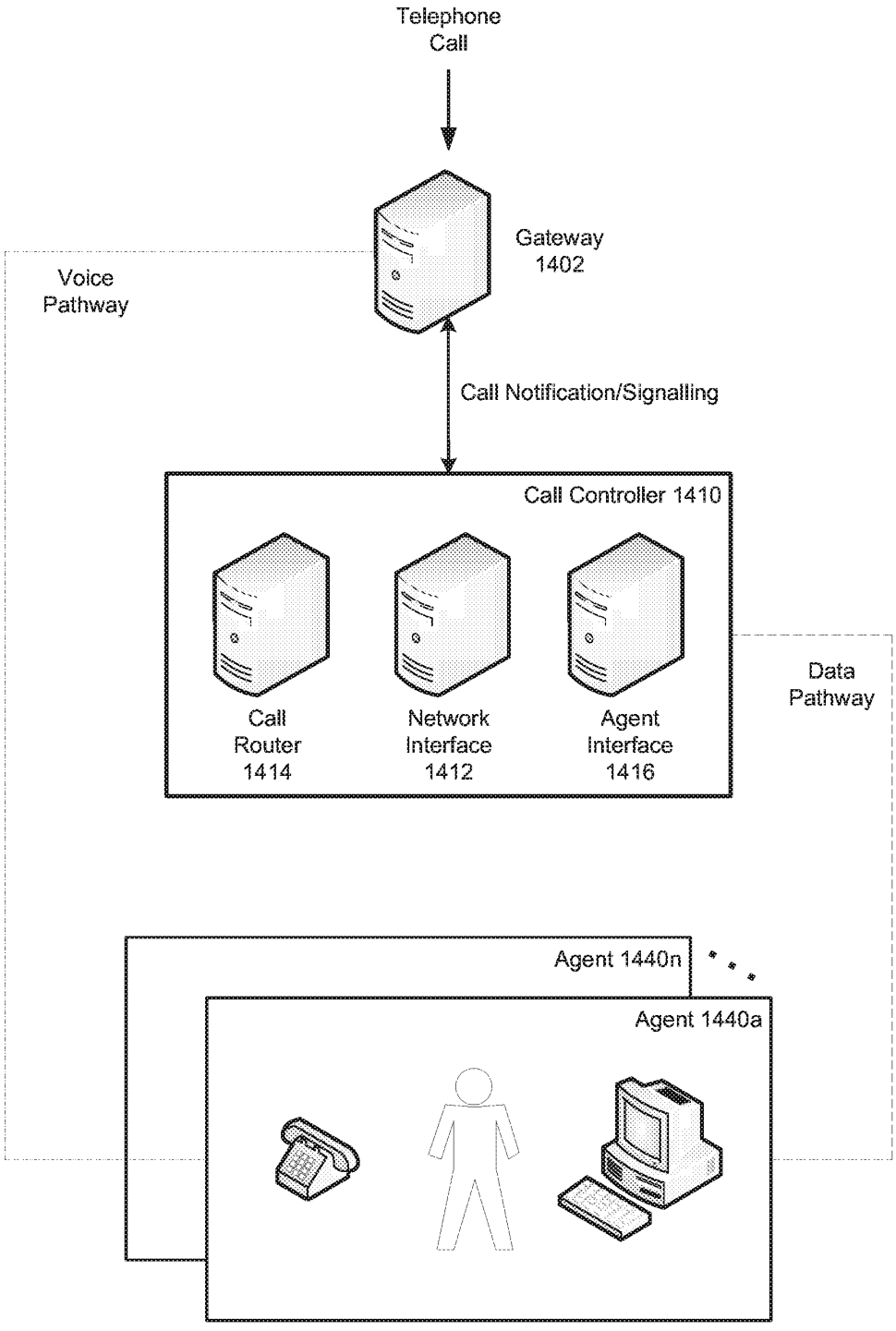

Telephone Call
Gateway 1402
Voice Pathway
Call Notification/Signalling
Call Controller 1410
Call Router 1414
Network Interface 1412
Agent Interface 1416
Data Pathway
Agent 1440n
Agent 1440a

FIG. 14

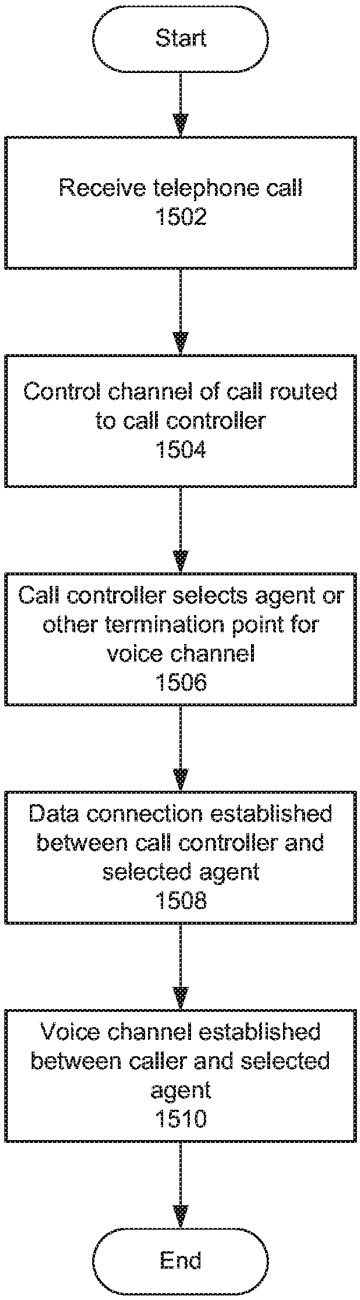

Start
Receive telephone call
1502
Control channel of call routed to call controller
1504
Call controller selects agent or other termination point for voice channel
1506
Data connection established between call controller and selected agent
1508
Voice channel established between caller and selected agent
1510
End

FIG. 15

PTO/AIA/01(06-12)
Approved for use through 01/31/2014. OMB 0651-0032
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 displays a valid OMB control number.

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 CONTENT PRESENTATION IN ASSOCIATION WITH A COMMUNICATION CONNECTION

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 (5) years, or both.

WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

LEGAL NAME OF INVENTOR

Inventor: Wendell D. Brown Date : Mar 31, 2016

Signature: /Wendell Brown/ (Wendell Brown (Mar 31, 2016))

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an additional PTO/AIA/01 form for each additional inventor.

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. 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 1 minute 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.

Privacy Act Statement

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

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

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

Electronic Patent Application Fee Transmittal	
Application Number:	
Filing Date:	
Title of Invention:	METHOD AND APPARATUS FOR CONTENT PRESENTATION IN ASSOCIATION WITH A COMMUNICATION CONNECTION
First Named Inventor/Applicant Name:	Wendell D. Brown
Filer:	A.Richard Park
Attorney Docket Number:	WB-045
Filed as Small Entity	
Filing Fees for Utility under 35 USC 111(a)	

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:				
Claims in excess of 20	2202	3	40	120
Miscellaneous-Filing:				
Petition:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
		Total in USD ($)		**850**

Electronic Acknowledgement Receipt	
EFS ID:	25377602
Application Number:	15089098
International Application Number:	
Confirmation Number:	1045
Title of Invention:	METHOD AND APPARATUS FOR CONTENT PRESENTATION IN ASSOCIATION WITH A COMMUNICATION CONNECTION
First Named Inventor/Applicant Name:	Wendell D. Brown
Customer Number:	22200
Filer:	A.Richard Park
Filer Authorized By:	
Attorney Docket Number:	WB-045
Receipt Date:	01-APR-2016
Filing Date:	
Time Stamp:	17:43:23
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	$850
RAM confirmation Number	4306
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Miscellaneous Incoming Letter	Authorization-deposit-account-DEV.pdf	72095 5ea1a2898f660c3e4c0755e010a22ddecc240d32	no	1
Warnings:					
Information:					
2	Application Data Sheet	Application_Data_Sheet_Wendell_Brown_USsb0014_fill.pdf	1895119 2b335eaa52e1e594c9910ffdf2776ae42cf75e03	no	7
Warnings:					
Information:					
3		WB-045_Application.pdf	307256 bbf435ea5a616f0d87ca86fbac58912120f6c18c	yes	74

Multipart Description/PDF files in .zip description

Document Description	Start	End
Specification	1	67
Claims	68	73
Abstract	74	74

Warnings:					
Information:					
4	Drawings-only black and white line drawings	WB-045_Figures.pdf	1359831 958d75a43beb0b209a11cf385e8643076e8c075a	no	15
Warnings:					
Information:					
5	Oath or Declaration filed	WB-045_eDeclaration.pdf	2129507 3c82ac56ac308025a8396448d0566b4021a5a5b3	no	2
Warnings:					
Information:					
6	Fee Worksheet (SB06)	fee-info.pdf	36759 0698c279fef9f8efd1c602d17f5ba0987af9d83a	no	2

Warnings:	
Information:	
Total Files Size (in bytes):	5800567

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.

DocCode - SCORE

SCORE Placeholder Sheet for IFW Content

Application Number: 15089098 Document Date: 04/01/2016

The presence of this form in the IFW record indicates that the following document type was received in electronic format on the date identified above. This content is stored in the SCORE database.

- Drawings – Other than Black and White Line Drawings

Since this was an electronic submission, there is no physical artifact folder, no artifact folder is recorded in PALM, and no paper documents or physical media exist. The TIFF images in the IFW record were created from the original documents that are stored in SCORE.

To access the documents in the SCORE database, refer to instructions below.

At the time of document entry (noted above):

- Examiners may access SCORE content via the eDAN interface.
- Other USPTO employees can bookmark the current SCORE URL (http://Score.uspto.gov/ScoreAccessWeb/).
- External customers may access SCORE content via the Public and Private PAIR interfaces.

Form Revision Date: September 30, 2013