AO 120 (Rev. 08/10)

TO:	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	

In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court _____ on the following

☐ Trademarks or ☐ Patents. (☐ the patent action involves 35 U.S.C. § 292.):

DOCKET NO.	DATE FILED	U.S. DISTRICT COURT

PLAINTIFF	DEFENDANT
GOTV STREAMING, LLC	NETFLIX, INC.

	PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1	8,103,865	1/24/12	GOTV STREAMING LLC
2	8,478,245	7/2/13	GOTV STREAMING LLC
3	8,989,715	3/24/15	GOTV STREAMING LLC
4			
5			

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

DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1		
2		
3		
4		
5		

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

DECISION/JUDGEMENT

CLERK	(BY) DEPUTY CLERK	DATE

Copy 1---Upon initiation of action, mail this copy to Director Copy 3---Upon termination of action, mail this copy to Director
Copy 2---Upon filing document adding patent(s), mail this copy to Director Copy 4---Case file copy

Netflix v. GoTV
IPR2023-00757
Netflix Ex. 1004

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3815634

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

CONVEYING PARTY DATA

Name	Execution Date
PHUNWARE, INC.	03/25/2016

RECEIVING PARTY DATA

Name:	WESTERN ALLIANCE BANK
Street Address:	55 ALMADEN BOULEVARD, SUITE 100
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95113

PROPERTY NUMBERS Total: 12

Property Type	Number
Patent Number:	9015692
Patent Number:	8989715
Patent Number:	8812027
Patent Number:	8788358
Patent Number:	8732619
Patent Number:	8560601
Application Number:	14336960
Patent Number:	8478245
Patent Number:	8060594
Patent Number:	8009619
Application Number:	14279269
Application Number:	14322331

CORRESPONDENCE DATA

Fax Number: (213)896-0400

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 2138915604
Email: aarnelle@buchalter.com
Correspondent Name: AMY ARNELLE
Address Line 1: 1000 WILSHIRE BOULEVARD, SUITE 1500
Address Line 4: LOS ANGELES, CALIFORNIA 90017

NAME OF SUBMITTER:	AMY ARNELLE
SIGNATURE:	/Amy Arnelle/
DATE SIGNED:	04/05/2016
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 8
source=Intellectual Property Security Agreement- Phunware#page1.tif
source=Intellectual Property Security Agreement- Phunware#page2.tif
source=Intellectual Property Security Agreement- Phunware#page3.tif
source=Intellectual Property Security Agreement- Phunware#page4.tif
source=Intellectual Property Security Agreement- Phunware#page5.tif
source=Intellectual Property Security Agreement- Phunware#page6.tif
source=Intellectual Property Security Agreement- Phunware#page7.tif
source=Intellectual Property Security Agreement- Phunware#page8.tif

INTELLECTUAL PROPERTY SECURITY AGREEMENT

This INTELLECTUAL PROPERTY SECURITY AGREEMENT, dated as of March 25, 2016, (the "Agreement") between WESTERN ALLIANCE BANK, an Arizona corporation ("Lender") and PHUNWARE, INC., a Delaware corporation ("Grantor"), is made with reference to the Business Financing Agreement, dated as of March 25, 2016 (as amended from time to time, the "Financing Agreement"), between Lender and Grantor. Terms defined in the Financing Agreement have the same meaning when used in this Agreement.

For good and valuable consideration, receipt of which is hereby acknowledged, Grantor hereby covenants and agrees as follows:

To secure the Obligations under the Financing Agreement, Grantor grants to Lender a security interest in all right, title, and interest of Grantor in any of the following, whether now existing or hereafter acquired or created in any and all of the following property (collectively, the "Intellectual Property Collateral"):

(a) copyright rights, copyright applications, copyright registrations and like protections in each work or authorship and derivative work thereof, whether published or unpublished and whether or not the same also constitutes a trade secret, now or hereafter existing, created, acquired or held (collectively, the "Copyrights"), including the Copyrights described in Exhibit A;

(b) trademark and servicemark rights, whether registered or not, applications to register and registrations of the same and like protections, and the entire goodwill of the business of Borrower connected with and symbolized by such trademarks (collectively, the "Trademarks"), including the Trademarks described in Exhibit B;

(c) patents, patent applications and like protections including without limitation improvements, divisions, continuations, renewals, reissues, extensions and continuations-in-part of the same (collectively, the "Patents"), including the Patents described in Exhibit C;

(d) mask work or similar rights available for the protection of semiconductor chips or other products (collectively, the "Mask Works");

(e) trade secrets, and any and all intellectual property rights in computer software and computer software products;

(f) design rights;

(g) claims for damages by way of past, present and future infringement of any of the rights included above, with the right, but not the obligation, to sue for and collect such damages for said use or infringement of the intellectual property rights identified above;

(h) licenses or other rights to use any of the Copyrights, Patents, Trademarks, or Mask Works, and all license fees and royalties arising from such use to the extent permitted by such license or rights;

(i) amendments, renewals and extensions of any of the Copyrights, Trademarks, Patents, or Mask Works; and

(j) proceeds and products of the foregoing, including without limitation all payments under insurance or any indemnity or warranty payable in respect of any of the foregoing.

The rights and remedies of Lender with respect to the security interests granted hereunder are in addition to those set forth in the Financing Agreement, and those which are now or hereafter available to Lender as a matter of law or equity. Each right, power and remedy of Lender provided for herein or in the Financing Agreement, or now or hereafter existing at law or in equity shall be cumulative and concurrent and shall be in addition to every right, power or remedy provided for herein, and the exercise by Lender of any one or more of such rights, powers or remedies does not preclude the simultaneous or later exercise by Lender of any other rights, powers or remedies.

Lender agrees to release its security interest in the Intellectual Property Collateral when it releases its lien in the Collateral in accordance with the terms of the Financing Agreement.

IN WITNESS WHEREOF, the parties have executed this Agreement as of the date first written above.

GRANTOR:

PHUNWARE, INC.,
a Delaware corporation

By: _____
Name: Alan J. Kaftanski
Title: CEO

Address for Notices:

PHUNWARE, INC.
7800 Shoal Creek Blvd., Suite 210 W
Austin, TX 78757

LENDER:

WESTERN ALLIANCE BANK, an Arizona corporation

By: _____
Name: Josh Cervantes
Title: AVP

Address for Notices:

WESTERN ALLIANCE BANK
55 Almaden Blvd. Ste. 100
San Jose, CA 95113
Tel: (408) 423-8500
Fax:(408) 423-8520

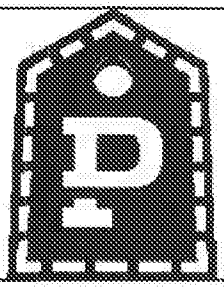
EXHIBIT A

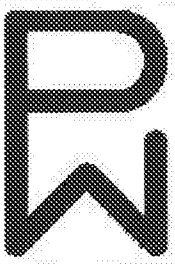
COPYRIGHTS

None

EXHIBIT B

TRADEMARKS

Owner	Trademark	Serial No./ Registration No.	Filing Date/ Registration date
Phunware, Inc.	TAPIT BY PHUNWARE	85946861	May 30, 2013
Phunware, Inc.	TAPIT! BY PHUNWARE PW	85946857	May 30, 2013
Phunware, Inc.	TAPIT	85946855	May 30, 2013
Phunware, Inc.	PHUNWARE	85983562 / 4877948	May 30, 2013 / December 29, 2015
Phunware, Inc.	PHUNWARE	85983563 / 4720851	May 30, 2013 / April 14, 2015
Phunware, Inc.	PHUNWARE	85946868 / 4700492	May 30, 2013 / March 10, 2015
Phunware, Inc.	PHUNWARE	85946864 / 4700491	May 30, 2013 / March 10, 2015
Phunware, Inc.		85570625 / 4229728	March 15, 2012 / October 23, 2012

Owner	Trademark	Serial No./ Registration No.	Filing Date/ Registration date
Phunware, Inc.		85570618 / 4337237	March 15, 2012 / May 21, 2013
Phunware, Inc.	PHUNWARE	85570612 / 4352509	March 15, 2012 / June 18, 2013
Phunware, Inc.	tapit.com	85311624 / 4123079	May 4, 2011 / April 3, 2012
Phunware, Inc.	tapit!	85303800 / 4148896	April 25, 2011 / May 29, 2012
Phunware, Inc.	PHUNDEALS	85256905 / 4143948	March 3, 2011 / May 15, 2012
Phunware, Inc.	DIVA	78737963 / 3432890	October 21, 2005 / November 27, 2007
Phunware, Inc.	GOTV	78583177 / 3298982	March 8, 2005 / September 25, 2007
Phunware, Inc.	TRUE COUNTRY	77803340 / 3783790	August 12, 2009 / May 4, 2010

Owner	Trademark	Serial No./ Registration No.	Filing Date/ Registration date
Phunware, Inc.	PRAISE	77766654 / 3951482	June 23, 2009 / April 26, 2011
Phunware, Inc.	PHLAMEWARE	77765064 / 3951479	June 22, 2009 / April 26, 2011
Phunware, Inc.	POCKETSHARE	77765048 / 4060441	June 22, 2009 / November 22, 2011
Phunware, Inc.	LIVE FROM YOU	77743172 / 3725473	May 22, 2009 / December 15, 2009
Phunware, Inc.	LIVE FROM YOU	77743157 / 3760294	May 22, 2009 / March 16, 2010
Phunware, Inc.	ES MUSICA	77187477 / 3517364	May 22, 2007 / October 14, 2008
Phunware, Inc.	ES MUSICA	77187465 / 3635876	May 22, 2007 / June 9, 2009
Phunware, Inc.	HIP HOP OFFICIAL	77187661 / 3535955	May 22, 2007 / November 25, 2008
Phunware, Inc.	HIP HOP OFFICIAL	77187655 / 3465603	May 22, 2007 / July 15, 2008

EXHIBIT C

PATENTS

Owner	Patent Title	Application No./ Patent No.	Filing Date/ Patent date
PHUNWARE, INC.	METHOD AND SYSTEM FOR CUSTOMIZING CONTENT ON A SERVER FOR RENDERING ON A WIRELESS DEVICE	12/018,141 / 9,015,692	April 18, 2013/ April 21, 2015
PHUNWARE, INC.	METHOD AND SYSTEM FOR RENDERING CONTENT ON A WIRELESS DEVICE	13865,987 / 8989715	April 18, 2013 / March 24, 2015
PHUNWARE, INC.	GEO-FENCE ENTRY AND EXIT NOTIFICATION SYSTEM	13/586,127 / 8,812,027	August 15, 2012 / August 19, 2014
PHUNWARE, INC.	SYSTEMS AND METHODS FOR ENTERPRISE BRANDED APPLICATION FRAMEWORKS FOR MOBILE AND OTHER ENVIRONMENTS	13/033,526 / 8,788,358	February 23, 2011 / July 22, 2014
PHUNWARE, INC.	METHODS AND SYSTEMS FOR INTERACTIVE USER INTERFACE OBJECTS	13076370 / 8732619	March 30, 2011 / May 20, 2014
PHUNWARE, INC.	SERVER METHOD AND SYSTEM FOR EXECUTING APPLICATIONS ON A WIRELESS DEVICE	13/440,240 / 8,560,601	April 5, 2012 / October 15, 2013

Owner	Patent Title	Application No./ Patent No.	Filing Date/ Patent date
PHUNWARE, INC.	SERVER METHOD AND SYSTEM FOR EXECUTING APPLICATIONS ON A WIRELESS DEVICE	14336960 / ***	July 21, 2014 / ***
PHUNWARE, INC.	METHOD AND SYSTEM FOR RENDERING CONTENT ON A WIRELESS DEVICE	11/888,803 / 8,478,245	August 1, 2007 / July 2, 2013
PHUNWARE, INC.	CLIENT-SIDE WIRELESS COMMUNICATIONS LINK SUPPORT FOR MOBILE HANDHELD DEVICES	11/977,212 / 8,060,594	October 23, 2007 / November 15, 2011
PHUNWARE, INC.	SERVER-SIDE WIRELESS COMMUNICATIONS LINK SUPPORT FOR MOBILE HANDHELD DEVICES	11/977,319 / 8,009,619	October 23, 2007 / August 30, 2011
PHUNWARE, INC.	METHODS AND SYSTEMS FOR INTERACTIVE USER INTERFACE OBJECTS	14/279269 / ***	May 15, 2014 / ***
PHUNWARE, INC.	GEO-FENCE ENTRY AND EXIT NOTIFICATION SYSTEM	14322331 / ***	July 2, 2014 / ***

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/865,987	03/24/2015	8989715	38285-705.301	3724

21971 7590 03/04/2015

WILSON, SONSINI, GOODRICH & ROSATI
650 PAGE MILL ROAD
PALO ALTO, CA 94304-1050

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):

Pierre Carion, La Jolla, CA;
Kevin Smith, San Diego, CA;
Phunware, Inc., Austin, TX

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.

PTO/SB/08a (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 required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO **INFORMATION DISCLOSURE STATEMENT BY APPLICANT** *(Use as many sheets as necessary)*				***Complete if Known***	
				Application Number	13/865,987
				Filing Date	April 18, 2013
				First Named Inventor	Pierre Carion
				Art Unit	2646
				Examiner Name	Kashif Siddiqui
Sheet	1	of	2	Attorney Docket Number	38285-705.301

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1.	US 2003/0009495 A1	01/09/2003	Adjaoute	
	2.	US 2005/0172295 A1	08/04/2005	Goring et al.	
	3.	US 2007/0124721 A1	05/31/2007	Cowing et al.	
	4.	US 2008/0090513 A1	04/17/2008	Collins et al.	
	5.	US 6,401,085	06/04/2002	Gershman et al.	
	6.	US 7,287,064	10/23/2007	Haldar et al.	
	7.	US 7,647,076	01/12/2010	Lavine et al.	
	8.	US 7,801,891	09/21/2010	Hu et al.	

UNPUBLISHED PATENT APPLICATIONS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	9.	N/A			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3] – Number[4] – Kind Code[5] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]
	10.	N/A				

Examiner Signature	/Kashif Siddiqui/	Date Considered	01/15/2015

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. [1]Applicant's unique citation designation number (optional). [2]See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. [3]Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4]For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5]Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [6]Applicant is to place a check mark here if English language Translation is attached.

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 2 hours 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, 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 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /K.S./

PTO/SB/08b (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 required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO **INFORMATION DISCLOSURE STATEMENT BY APPLICANT** *(Use as many sheets as necessary)*				***Complete if Known***	
				Application Number	13/865,987
				Filing Date	April 18, 2013
				First Named Inventor	Pierre Carion
				Art Unit	2646
				Examiner Name	Kashif Siddiqui
Sheet	2	of	2	Attorney Docket Number	38285-705.301

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.[1]	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, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
	11.	Notice of allowance dated 12/17/2014 for US Application No. 12/018,141.	

Examiner Signature	/Kashif Siddiqui/	Date Considered	01/15/2015

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

[1]Applicant's unique citation designation number (optional). [2]Applicant is to place a checkmark here if English language Translation is attached.

This collection of information is required by 37 CFR 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 2 hours 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, 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 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /K.S./

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/865,987	04/18/2013	Pierre Carion	38285-705.301	3724

21971 7590 01/23/2015

WILSON, SONSINI, GOODRICH & ROSATI
650 PAGE MILL ROAD
PALO ALTO, CA 94304-1050

EXAMINER
SIDDIQUI, KASHIF

ART UNIT	PAPER NUMBER
2646	

NOTIFICATION DATE	DELIVERY MODE
01/23/2015	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):

patentdocket@wsgr.com

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

APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
13/865,987	18 April, 2013	CARION ET AL.	38285-705.301

		EXAMINER	
WILSON, SONSINI, GOODRICH & ROSATI 650 PAGE MILL ROAD PALO ALTO, CA 94304-1050		KASHIF SIDDIQUI	
		ART UNIT	PAPER
		2646	20150115

DATE MAILED:

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

Commissioner for Patents

1. The information disclosure statement (IDS) Form PTO-1449, filed on 12/23/2014 is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

/KASHIF SIDDIQUI/
Primary Examiner, Art Unit 2646

PTO-90C (Rev.04-03)

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)

21971 7590 10/29/2014
WILSON, SONSINI, GOODRICH & ROSATI
650 PAGE MILL ROAD
PALO ALTO, CA 94304-1050

ELECTRONICALLY FILED ON JANUARY 23, 2015

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

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

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/865,987	04/18/2013	Pierre Carion	38285-705.301	3724

TITLE OF INVENTION: METHOD AND SYSTEM FOR RENDERING CONTENT ON A WIRELESS DEVICE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$960	$0	$0	$960	01/29/2015

EXAMINER	ART UNIT	CLASS-SUBCLASS
SIDDIQUI, KASHIF	2646	455-414100

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 WILSON SONSINI GOODRICH & ROSATI
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: Phunware, Inc.

(B) RESIDENCE: (CITY and STATE OR COUNTRY): Austin, Texas

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 23-2415 (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 January 23, 2015

Typed or printed name Kristin D. Smith Registration No. 63,545

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

Electronic Patent Application Fee Transmittal

Application Number:	13865987
Filing Date:	18-Apr-2013
Title of Invention:	METHOD AND SYSTEM FOR RENDERING CONTENT ON A WIRELESS DEVICE
First Named Inventor/Applicant Name:	Pierre Carion
Filer:	Kristin Denean Smith/Lydia Vosburgh (KDS/lcv)
Attorney Docket Number:	38285-705.301

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:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Utility Appl Issue Fee	1501	1	960	960
Publ. Fee- Early, Voluntary, or Normal	1504	1	0	0
Extension-of-Time:				
Miscellaneous:				
		Total in USD ($)		**960**

Electronic Acknowledgement Receipt

EFS ID:	21291631
Application Number:	13865987
International Application Number:	
Confirmation Number:	3724
Title of Invention:	METHOD AND SYSTEM FOR RENDERING CONTENT ON A WIRELESS DEVICE
First Named Inventor/Applicant Name:	Pierre Carion
Customer Number:	21971
Filer:	Kristin Denean Smith/Lydia Vosburgh (KDS/lcv)
Filer Authorized By:	Kristin Denean Smith
Attorney Docket Number:	38285-705.301
Receipt Date:	23-JAN-2015
Filing Date:	18-APR-2013
Time Stamp:	13:50:20
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	$960
RAM confirmation Number	108
Deposit Account	232415
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Issue Fee Payment (PTO-85B)	38285-705-301-IssueFee.pdf	63952 182fcefe8afde12917263bdb6ff8a82063a2722e	no	1
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	32677 e6d79d5a7d7b1e670cff0c07c682ab52599af181	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	96629		

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.

Substitute for form 1449/PTO **INFORMATION DISCLOSURE STATEMENT BY APPLICANT** *(Use as many sheets as necessary)*				***Complete if Known***	
				Application Number	13/865,987
				Filing Date	April 18, 2013
				First Named Inventor	Pierre Carion
				Art Unit	2646
				Examiner Name	Kashif Siddiqui
Sheet	1	of	2	Attorney Docket Number	38285-705.301

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1.	US 2003/0009495 A1	01/09/2003	Adjaoute	
	2.	US 2005/0172295 A1	08/04/2005	Goring et al.	
	3.	US 2007/0124721 A1	05/31/2007	Cowing et al.	
	4.	US 2008/0090513 A1	04/17/2008	Collins et al.	
	5.	US 6,401,085	06/04/2002	Gershman et al.	
	6.	US 7,287,064	10/23/2007	Haldar et al.	
	7.	US 7,647,076	01/12/2010	Lavine et al.	
	8.	US 7,801,891	09/21/2010	Hu et al.	

UNPUBLISHED PATENT APPLICATIONS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	9.	N/A			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3] – Number[4] – Kind Code[5] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]
	10.	N/A				

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. [1]Applicant's unique citation designation number (optional). [2]See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. [3]Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4]For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5]Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [6]Applicant is to place a check mark here if English language Translation is attached.

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 2 hours 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, 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 (1-800-786-9199) and select option 2.

Substitute for form 1449/PTO **INFORMATION DISCLOSURE STATEMENT BY APPLICANT** *(Use as many sheets as necessary)*				***Complete if Known***	
				Application Number	13/865,987
				Filing Date	April 18, 2013
				First Named Inventor	Pierre Carion
				Art Unit	2646
				Examiner Name	Kashif Siddiqui
Sheet	2	of	2	Attorney Docket Number	38285-705.301

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.[1]	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, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
	11.	Notice of allowance dated 12/17/2014 for US Application No. 12/018,141.	

Examiner Signature		Date Considered	

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

[1]Applicant's unique citation designation number (optional). [2]Applicant is to place a checkmark here if English language Translation is attached.

This collection of information is required by 37 CFR 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 2 hours 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, 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 (1-800-786-9199) and select option 2.

Electronic Patent Application Fee Transmittal

Application Number:	13865987
Filing Date:	18-Apr-2013
Title of Invention:	METHOD AND SYSTEM FOR RENDERING CONTENT ON A WIRELESS DEVICE
First Named Inventor/Applicant Name:	Pierre Carion
Filer:	Ali Reza Alemozafar/Steven Dieu (ARAL)
Attorney Docket Number:	38285-705.301

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($)
Miscellaneous:				
Submission- Information Disclosure Stmt	1806	1	180	180
		Total in USD ($)		**180**

Electronic Acknowledgement Receipt

EFS ID:	21055632
Application Number:	13865987
International Application Number:	
Confirmation Number:	3724
Title of Invention:	METHOD AND SYSTEM FOR RENDERING CONTENT ON A WIRELESS DEVICE
First Named Inventor/Applicant Name:	Pierre Carion
Customer Number:	21971
Filer:	Ali Reza Alemozafar/Steven Dieu (ARAL)
Filer Authorized By:	Ali Reza Alemozafar
Attorney Docket Number:	38285-705.301
Receipt Date:	23-DEC-2014
Filing Date:	18-APR-2013
Time Stamp:	17:27:32
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	$180
RAM confirmation Number	18036
Deposit Account	232415
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		IDS38285-705-301-12-23-14.pdf	187806 502268a9ecf8bca7db0931491c0a8ae20e73b0ea	yes	7
	Multipart Description/PDF files in .zip description				
	Document Description		**Start**	**End**	
	Transmittal Letter		1	5	
	Information Disclosure Statement (IDS) Form (SB08)		6	7	
Warnings:					
Information:					
2	Non Patent Literature	Z-NOA-12-17-14-USApp-12-018141.pdf	698439 7e4eedc05428ca53371131596361f1fef1897724	no	17
Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	30888 dfa031eb81f39325e5a4299cbafdfd51a6c45817	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	917133		

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

Inventor: Pierre CARION, et al.	Group Art Unit: 2642
Serial Number: 13/865,987	Examiner: Kashif Siddiqui
Filing or 371(c) Date: April 18, 2013	**CONFIRMATION NO: 3724**
Title: METHOD AND SYSTEM FOR RENDERING CONTENT ON A WIRELESS DEVICE	

FILED ELECTRONICALLY ON: December 23, 2014

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

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §1.97

Madam:

An Information Disclosure Statement along with attached PTO/SB/08 is hereby submitted. A copy of each listed publication is submitted, if required, pursuant to 37 CFR §§ 1.97-1.98, as indicated below.

The Examiner is requested to review the information provided and to make the information of record in the above-identified application. The Examiner is further requested to initial and return the attached PTO/SB/08 in accordance with MPEP § 609.

The right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered, is hereby reserved.

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, prior art or material to patentability as defined in § 1.56.

A. ☐ *37 CFR § 1.97(b).* This Information Disclosure Statement should be considered by the Office because:

☐ (1) It is being filed within 3 months of the filing date of a national application and is other than a continued prosecution application under § 1.53(d);

-- OR --

☐ (2) It is being filed within 3 months of entry of the national stage as set forth in §1.491 in an international application;

-- OR --

☐ (3) It is being filed before the mailing of a first Office action on the merits;

-- OR --

☐ (4) It is being filed before the mailing of a first Office action after the filing of a request for continued examination under § 1.114.

B. ☐ *37 CFR § 1.97(c).* Although this Information Disclosure Statement is being filed after the period specified in *37 CFR § 1.97(b),* above, it is filed before the mailing date of the earlier of (1) a final office action under § 1.113, (2) a notice of allowance under § 1.311, or (3) an action that otherwise closes prosecution on the merits, this Information Disclosure Statement should be considered because it is accompanied by one of:

☐ a statement as specified in § 1.97(e) provided concurrently herewith;

-- OR --

☐ a fee of $180.00 as set forth in § 1.17(p) authorized below, enclosed, or included with the payment of other papers filed together with this statement.

C. ☒ *37 CFR § 1.97(d).* Although this Information Disclosure Statement is being filed after the mailing date of the earlier of (1) a final office action under § 1.113 or (2) a notice of allowance under § 1.311, it is being filed before payment of the issue fee and should be considered because it is accompanied by:

i. a statement as specified in § 1.97(e);

-- AND --

ii. 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.

D. ☒ *37 CFR § 1.97(e).* Statement.

☐ A statement is provided herewith to satisfy the requirement under 37 CFR §§ 1.97(c);

-- AND/OR --

☒ A statement is provided herewith to satisfy the requirement under 37 CFR §§ 1.97(d);

-- AND/OR --

☐ A copy of a dated communication from a foreign patent office clearly showing that the information disclosure statement is being submitted within 3 months of the filing date on the communication is provided in lieu of a statement under 37 C.F.R. § 1.97(e)(1) as provided for under MPEP 609.04(b) V.

E. ☐ *Statement Under 37 C.F.R. § 1.704(d).* Each item of information contained in the information disclosure statement was first cited in a communication from a foreign patent office in a counterpart application that was received by an individual designated in § 1.56(c) not more than thirty (30) days prior to the filing of this information disclosure statement. This statement is made pursuant to the

requirements of 37 C.F.R. § 1.704(d) to avoid reduction of the period of adjustment of the patent term for Applicant(s) delay.

F. ☒ *37 CFR § 1.98(a)(2).* The content of the Information Disclosure Statement is as follows:

☐ Copies of each of the references listed on the attached Form PTO/SB/08 are enclosed herewith.

-- OR --

☒ Copies of U.S. Patent Documents (issued patents and patent publications) listed on the attached Form PTO/SB/08 are NOT enclosed.

-- AND/OR --

☒ Copies of Foreign Patent Documents and/or Non Patent Literature Documents listed on the attached Form PTO/SB/08 are enclosed in accordance with 37 CFR § 1.98 (a)(2).

-- AND/OR --

☐ Copies of pending unpublished U.S. patent applications are enclosed in accordance with 37 CFR § 1.98(a)(2)(iii).

G. ☐ *37 CFR § 1.98(a)(3).* The Information Disclosure Statement includes non-English patents and/or references.

☐ Pursuant to 37 CFR § 1.98(a)(3)(i), a concise explanation of the relevance of each patent, publication or other information provided that is not in English is provided herewith.

☐ Pursuant to MPEP 609(B), an English language copy of a foreign search report is submitted herewith to satisfy the requirement for a concise explanation where non-English language information is cited in the search report.

-- OR --

☐ A concise explanation of the relevance of each patent, publication or other information provided that is not in English is as follows: _____

☐ Pursuant to 37 CFR § 1.98(a)(3)(ii), a copy of a translation, or a portion thereof, of the non-English language reference(s) is provided herewith.

H. ☐ *37 CFR § 1.98(d).* Copies of patents, publications and pending U.S. patent applications, or other information specified in 37 C.F.R. § 1.98(a) are not provided herewith because:

☐ Pursuant to 37 CFR § 1.98(d)(1) the information was previously submitted in an Information Disclosure Statement, or cited by examiner for another application under which this application claims priority for an earlier effective filing date under 35 U.S.C. 120.

Application in which the information was submitted: _____

Information Disclosure Statement(s) filed on: _____

AND

☐ The information disclosure statement submitted in the earlier application complied with paragraphs (a) through (c) of 37 CFR § 1.98.

I. ☒ *Fee Authorization*. The Commissioner is hereby authorized to charge the above-referenced fees of $180.00 and charge any additional fees or credit any overpayment associated with this communication to Deposit Account No. 23-2415 (Docket No. 38285-705.301).

Respectfully submitted,

WILSON SONSINI GOODRICH & ROSATI

Dated: December 23, 2014

By: /Ali Alemozafar/
Ali R. Alemozafar, Ph.D., Esq.
Reg. No. 68,180

650 Page Mill Road
Palo Alto, CA 94304-1050
(650) 493-9300
Customer No. 021971

STATEMENTS UNDER 37 C.F.R. § 1.97(E)

(Attachment to Information Disclosure Statement)

☐ *37 CFR §1.97(e)(1).* **THE UNDERSIGNED HEREBY STATES THAT** each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement:

☐ All references cited herein;

-- OR --

☐ The following subset of references: _____

--AND/OR--

☒ *37 CFR §1.97(e)(2).* **THE UNDERSIGNED HEREBY STATES THAT** no item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing of this Information Disclosure Statement:

☒ All references cited herein;

-- OR --

☐ The following subset of references: _____

Respectfully submitted,

Dated: December 23, 2014

By: /Ali Alemozafar/
Ali R. Alemozafar, Ph.D., Esq.
Reg. No. 68,180

650 Page Mill Road
Palo Alto, CA 94304-1050
(650) 493-9300
Customer No. 021971

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

21971 7590 10/29/2014
WILSON, SONSINI, GOODRICH & ROSATI
650 PAGE MILL ROAD
PALO ALTO, CA 94304-1050

EXAMINER
SIDDIQUI, KASHIF

ART UNIT	PAPER NUMBER
2646	

DATE MAILED: 10/29/2014

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/865,987	04/18/2013	Pierre Carion	38285-705.301	3724

TITLE OF INVENTION: METHOD AND SYSTEM FOR RENDERING CONTENT ON A WIRELESS DEVICE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$960	$0	$0	$960	01/29/2015

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

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

HOW TO REPLY TO THIS NOTICE:

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

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

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

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

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

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

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

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

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

21971 7590 10/29/2014
WILSON, SONSINI, GOODRICH & ROSATI
650 PAGE MILL ROAD
PALO ALTO, CA 94304-1050

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

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/865,987	04/18/2013	Pierre Carion	38285-705.301	3724

TITLE OF INVENTION: METHOD AND SYSTEM FOR RENDERING CONTENT ON A WIRELESS DEVICE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$960	$0	$0	$960	01/29/2015

EXAMINER	ART UNIT	CLASS-SUBCLASS
SIDDIQUI, KASHIF	2646	455-414100

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. _____

UNITED STATES PATENT AND TRADEMARK OFFICE

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United States Patent and Trademark Office
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/865,987	04/18/2013	Pierre Carion	38285-705.301	3724

21971 7590 10/29/2014

WILSON, SONSINI, GOODRICH & ROSATI
650 PAGE MILL ROAD
PALO ALTO, CA 94304-1050

EXAMINER	
SIDDIQUI, KASHIF	

ART UNIT	PAPER NUMBER
2646	

DATE MAILED: 10/29/2014

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

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

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

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

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

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

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

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

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

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

Notice of Allowability	Application No. 13/865,987	Applicant(s) CARION ET AL.	
	Examiner KASHIF SIDDIQUI	Art Unit 2646	AIA (First Inventor to File) Status No

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

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

1. ☒ This communication is responsive to *10/21/2014*.
   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on_____.
2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
3. ☒ The allowed claim(s) is/are *1,3-8,10,13,15-20,22 and 37-40*. 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 _____.

/KASHIF SIDDIQUI/
Primary Examiner, Art Unit 2646

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

DETAILED ACTION

Allowable Subject Matter

2. In view of amended claims and further search, Claims 1, 3-8, 10, 13, 15-20, 22 and 37-40 are allowed.

3. The following is an examiner's statement of reasons for allowance:

The reasons for Allowance are the same as those presented by the Applicant in the Remarks submitted on 10/21/2014.

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 KASHIF SIDDIQUI whose telephone number is (571)270-3188. The examiner can normally be reached on Monday through Thursday 6:30-16:30 (EST).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kamran Afshar can be reached on (571)272-7796. 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.

/KASHIF SIDDIQUI/
Primary Examiner, Art Unit 2646

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13865987	CARION ET AL.
	Examiner	**Art Unit**
	KASHIF SIDDIQUI	2646

CPC						
Symbol					**Type**	**Version**
H04L		67	/	10	F	2013-01-01
G06F		9	/	4443	I	2013-01-01
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CPC Combination Sets							
Symbol					**Type**	**Set**	**Ranking**	**Version**
			/					
			/					

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	20	
/KASHIF SIDDIQUI/ Primary Examiner.Art Unit 2646	10/24/2014	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1B

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13865987	CARION ET AL.
	Examiner	**Art Unit**
	KASHIF SIDDIQUI	2646

US ORIGINAL CLASSIFICATION		INTERNATIONAL CLASSIFICATION										
CLASS	SUBCLASS	CLAIMED					NON-CLAIMED					
455	414.1	H	0	4	L	29 / 08 (2006.01.01)						

CROSS REFERENCE(S)					
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)				
709	203				

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	20	
/KASHIF SIDDIQUI/ Primary Examiner.Art Unit 2646	10/24/2014	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1B

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13865987	CARION ET AL.
	Examiner	**Art Unit**
	KASHIF SIDDIQUI	2646

☒ 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

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	20	
/KASHIF SIDDIQUI/ Primary Examiner.Art Unit 2646	10/24/2014	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1B

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13865987	CARION ET AL.
	Examiner	Art Unit
	KASHIF SIDDIQUI	2646

CPC- SEARCHED		
Symbol	Date	Examiner

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
709	246	6/30/2014	KS
455	414.1-414.4,566	6/30/2014	KS
715	200,234-240,744-747	6/30/2014	KS
All Above	Updated	10/24/2014	KS

SEARCH NOTES		
Search Notes	Date	Examiner
Searched EAST	6/30/2014	KS
Searched Google Patents	6/30/2014	KS
Inventor/Assignee Search	6/30/2014	KS
Searched EPO/WIPO	6/30/2014	KS
Updated Search	10/24/2014	KS

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner
	Keyword search of the claims using claim terms and language	10/24/2014	KS

	/KASHIF SIDDIQUI/ Primary Examiner.Art Unit 2646

Application Number	Application/Control No.	Applicant(s)/Patent under Reexamination	
	13/865,987	CARION ET AL.	

Document Code - DISQ	Internal Document – DO NOT MAIL

TERMINAL DISCLAIMER	☒ APPROVED	☐ DISAPPROVED
Date Filed : 10/21/14	This patent is subject to a Terminal Disclaimer	

Approved/Disapproved by:

ANDRE ROBINSON

U.S. Patent and Trademark Office

PATENT
Attorney Docket No.: 38285-705.301

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application:	Confirmation No.: 3724
Inventors: Pierre Carion, et al.	Examiner: Kashif Siddiqui
Application No.: 13/865,987	Group Art Unit: 2646
Filed: April 18, 2013	Customer No.: 021971
Title: **METHOD AND SYSTEM FOR RENDERING CONTENT ONA WIRELESS DEVICE**	

FILED ELECTRONICALLY ON: OCTOBER 21, 2014

AMENDMENT / RESPONSE TO NON-FINAL OFFICE ACTION

M/S Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Madam:

This paper is submitted in response to the non-Final Office Action mailed on July 9, 2014 with a request for a one month extension of time and the requisite fee.

Reconsideration and allowance of this application is respectfully requested in light of the following amendments and remarks.

Amendments to the Claims begin on page 2 of this paper.

Remarks begin on page 7 of this paper.

AMENDMENTS TO THE CLAIMS

1. (Previously Presented) A method of generating content that is renderable by a wireless device, said method comprising:

transmitting, to said wireless device, an identification of a custom configuration of a plurality of rendering blocks of said wireless device, wherein said custom configuration is associated with an application and configures said plurality of rendering blocks to render content in a manner customized to said application; and

transmitting, to said wireless device, compiled content comprising (i) first compiled content specific to a first page of said application and (ii) second compiled content specific to a second page of said application, wherein said compiled content is generated in part from execution of said application, wherein said compiled content comprises render commands expressed in a syntax that is generic to said wireless device, and wherein said custom configuration is applicable to said first and second compiled content,

wherein said compiled content and said custom configuration are usable by a graphical user interface comprising said plurality of rendering blocks to generate renderable content based on said compiled content and said custom configuration.

2. (Canceled)

3. (Original) A method as described in Claim 1 wherein said renderable content comprises audio content and display content.

4. (Original) A method as described in claim 1 wherein said compiled content is partially resultant from said application operating on a remote server.

5. (Original) A method as described in Claim 1 wherein said compiled content is specific to the rendering capabilities of said wireless device.

6. (Original) A method as described in Claim 1 wherein each of said plurality of rendering blocks operates specific to a wireless device type of said wireless device and each is instructed using a syntax that is generic to said wireless device type.

7. (Original) A method as described in Claim 6 wherein said custom configuration comprises a syntax that is generic regarding said wireless device type.

8. (Original) A method as described in Claim 1 wherein said custom configuration comprises configuration information and content specific to said application.

9. (Canceled)

10. (Previously Presented) A method as described in Claim 1 wherein said custom configuration is one of a plurality of memory-stored custom configurations stored by said wireless device, and wherein said method further comprises transmitting an identifier that identifies said custom configuration.

11. (Canceled)

12. (Canceled)

13. (Currently Amended) A non-transitory computer readable ~~media~~ medium comprising instructions therein that when executed by a processor implement a method of generating content that is renderable by a wireless device, said method comprising:

transmitting, to said wireless device, an identification of a custom configuration of a plurality of rendering blocks of said wireless device, wherein said custom configuration is associated with an application and configures said plurality of rendering blocks to render content in a manner customized to said application; and

transmitting, to said wireless device, compiled content comprising (i) first compiled content specific to a first page of said application and (ii) second compiled content specific to a second page of said application, wherein said compiled content is generated in part from execution of said application, wherein said compiled content comprises render commands expressed in a syntax that

is generic to said wireless device, and wherein said custom configuration is applicable to said first and second compiled content,

wherein said compiled content and said custom configuration are usable by a graphical user interface comprising said plurality of rendering blocks to generate renderable content based on said compiled content and said custom configuration.

14. (Canceled)

15. (Currently Amended) A non-transitory computer readable ~~media~~ medium as described in Claim 13 wherein said renderable content comprises audio content and display content.

16. (Currently Amended) A non-transitory computer readable ~~media~~ medium as described in claim 13 wherein said compiled content is partially resultant from said application operating on a remote server.

17. (Currently Amended) A non-transitory computer readable ~~media~~ medium as described in Claim 13 wherein said compiled content is specific to the rendering capabilities of said wireless device.

18. (Currently Amended) A non-transitory computer readable ~~media~~ medium as described in Claim 13 wherein each of said plurality of rendering blocks operates specific to a wireless device type of said wireless device and each is instructed using a syntax that is generic to said wireless device type.

19. (Currently Amended) A non-transitory computer readable ~~media~~ medium as described in Claim 18 wherein said custom configuration comprises a syntax that is generic regarding said wireless device type.

20. (Currently Amended) A non-transitory computer readable ~~media~~ medium as described in Claim 13 wherein said custom configuration comprises configuration information and content specific to said application.

21. (Canceled)

22. (Currently Amended) A non-transitory computer readable ~~media~~ medium as described in Claim 13 wherein said method further comprises transmitting an identifier that identifies said custom configuration.

23.-36. (Canceled)

37. (Previously Presented) A server that is programmed to generate content that is renderable by a wireless device, comprising:

a library of applications;

a library of custom configuration data comprising a custom configuration that configures a plurality of rendering blocks of said wireless device to render content in a manner customized to an application from said library of applications requested by said wireless device; and

a layout solver that transmits compiled content to said wireless device, said compiled content comprising (i) first compiled content specific to a first page of said application and (ii) second compiled content specific to a second page of said application, wherein said compiled content is generated in part from execution of said application by said server, wherein said compiled content comprises render commands expressed in a syntax that is generic to said wireless device, and wherein said custom configuration is applicable to said first and second compiled content,

wherein said compiled content and said custom configuration are usable by a graphical user interface comprising said plurality of rendering blocks to generate renderable content based on said compiled content and said custom configuration.

38. (Previously Presented) A server as described in Claim 37 wherein said renderable content comprises audio content and display content.

39. (Previously Presented) A server as described in Claim 37 wherein said compiled content is specific to the rendering capabilities of said wireless device.

40. (Previously Presented) A server as described in Claim 37 wherein said custom configuration comprises configuration information and content specific to said application.

REMARKS

Claims 1, 3-8, 10, 13, 15-20, 22 and 37-40 were pending prior to entry of the abovementioned amendments. Claims 13, 15-20 and 22 have been amended. The amendments are fully supported by the application as originally filed, U.S. Patent Application No. 13/865,987, now U.S. Patent Publication No. 2013/0339425 at, for example, paragraph [0176]. Accordingly, claims 1, 3-8, 10, 13, 15-20, 22 and 37-40 remain pending.

Double patenting rejections

Claims 1, 3-8, 10, 13, 15-20 and 22 stand rejected on the ground of nonstatutory double patenting over claims of 1, 3-9, 12 and 14-20 of U.S. Patent No. 8,478,245 ("the '245 patent"). Without conceding in the basis of rejection, and solely to expedite the prosecution of this Application, Applicant submits herewith a terminal disclaimer over the '245 patent. Accordingly, Applicant respectfully requests that the double patenting rejections of claims 1, 3-8, 10, 13, 15-20 and 22 be withdrawn.

Section 101 rejections

Claims 13, 15-20 and 22 stand rejected under 35 U.S.C. § 101. Applicant has amended claims 13, 15-20 and 22 to recite a "non-transitory computer readable medium." Accordingly, Applicant respectfully requests that the § 101 rejections of claims 13, 15-20 and 22 be withdrawn.

***

It shall be understood herein that any instance in which Applicant has addressed certain comments set forth by the Office shall not be construed as a concession to other comments or arguments advanced by the Office. Any circumstance in which Applicant has amended or canceled a claim also does not mean that Applicant concedes to the arguments or positions advanced by the Office with respect to that claim or other claims pending herein.

CONCLUSION

Applicant submits that this paper fully addresses the issues presented in the Office Action mailed on July 9, 2014. Should the Examiner have any question, the Examiner is encouraged to telephone the undersigned at (650) 849-3272.

The Commissioner is authorized to charge any underpayment or credit any overpayment to Deposit Account No. 23-2415 (Attorney Docket No. 38285-705.301) for any matter in connection with this response, including any fee for extension of time, which may be required.

Respectfully submitted,

Date: October 21, 2014

By: /Ali Alemozafar/
Ali R. Alemozafar, Ph.D., Esq.
Registration No. 68,180

WILSON SONSINI GOODRICH & ROSATI
650 Page Mill Road
Palo Alto, CA 94304-1050
Direct Dial: (650) 493-9300
Customer No. 21971

PTO/AIA/26 (04-13)
Approved for use through 04/30/2013. 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) 38285-705.301

In re Application of: Pierre Carion, et al.

Application No.: 13/865,987

Filed: April 18, 2013

For: Method and System for Rendering Content on a Wireless Device

The applicant, Phunware, Inc., owner 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 of **prior patent** No. 8,478,245 as the term of said **prior patent** is presently shortened by any terminal disclaimer. The applicant hereby agrees that any patent so granted on the instant application shall be enforceable only for any 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 applicant does not disclaim the terminal part of the term of any patent granted on the instant application that would extend to the expiration date of the full statutory term of the **prior patent**, "as the term of said **prior patent** is presently shortened by any terminal disclaimer," in the event that said **prior patent** later:

expires for failure to pay a maintenance fee;
is held unenforceable;
is found invalid by a court of competent jurisdiction;
is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321;
has all claims canceled by a reexamination certificate;
is reissued; or
is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer.

Check either box 1 or 2 below, if appropriate.

1. ☐ The undersigned is the applicant. If the applicant is an assignee, the undersigned is authorized to act on behalf of the assignee.

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

2. ☒ The undersigned is an attorney or agent of record. Reg. No. 68,180

/Ali Alemozafar/ — Signature
October 21, 2014 — Date

Ali R. Alemozafar — Typed or printed name

Attorney — Title
650.493.9300 — 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.

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.

Electronic Patent Application Fee Transmittal

Application Number:	13865987
Filing Date:	18-Apr-2013
Title of Invention:	Method and System for Rendering Content on a Wireless Device
First Named Inventor/Applicant Name:	Pierre Carion
Filer:	Ali Reza Alemozafar
Attorney Docket Number:	38285-705.301

Filed as Large Entity

Utility under 35 USC 111(a) Filing Fees

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:				
Extension - 1 month with $0 paid	1251	1	200	200

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
Statutory or Terminal Disclaimer	1814	1	160	160
		Total in USD ($)		**360**

Electronic Acknowledgement Receipt

EFS ID:	20480502
Application Number:	13865987
International Application Number:	
Confirmation Number:	3724
Title of Invention:	Method and System for Rendering Content on a Wireless Device
First Named Inventor/Applicant Name:	Pierre Carion
Customer Number:	21971
Filer:	Ali Reza Alemozafar
Filer Authorized By:	
Attorney Docket Number:	38285-705.301
Receipt Date:	21-OCT-2014
Filing Date:	18-APR-2013
Time Stamp:	21:21:37
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	$360
RAM confirmation Number	6088
Deposit Account	232415
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		38285-705-301-Response-10-21-2014.pdf	211007 4b1058b5bcdd00e73cd64ec65555502c43581f02	yes	8

Multipart Description/PDF files in .zip description		
Document Description	**Start**	**End**
Amendment/Req. Reconsideration-After Non-Final Reject	1	1
Claims	2	6
Applicant Arguments/Remarks Made in an Amendment	7	8

Warnings:

Information:

2	Terminal Disclaimer Filed	38285-705-301-TerminalDisclaimer.pdf	49735 a8f0ae508cd1258f671237f2066232494343ad0c	no	1

Warnings:

Information:

3	Fee Worksheet (SB06)	fee-info.pdf	31953 3613326bfe2c68c6a8d49d1c9bee56bfd3b25f53	no	2

Warnings:

Information:

Total Files Size (in bytes):	292695

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/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 13/865,987	Filing Date 04/18/2013	☐ 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 **10/21/2014**

	(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))	* 20	Minus	** 20	= 0	X $80 =	0
Independent (37 CFR 1.16(h))	* 3	Minus	***3	= 0	X $420 =	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
/VICTOR BARLOW/

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 NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
13/865,987	04/18/2013	Pierre Carion	38285-705.301

CONFIRMATION NO. 3724

21971
WILSON, SONSINI, GOODRICH & ROSATI
650 PAGE MILL ROAD
PALO ALTO, CA 94304-1050

POA ACCEPTANCE LETTER

OC000000071358892

Date Mailed: 10/16/2014

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 10/14/2014.

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.

/kgebremichael/

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

PTO/AIA/80 (07-12)
Approved for use through 11/30/2014. OMB 0651-0035
U.S. Patent and Trademark Office; U.S DEPARTMENT OF COMMERCE
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POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(c).

I hereby appoint:

☒ Practitioners associated with Customer Number: 021971

OR

☐ Practitioner(s) named below (If more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number

As attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(c).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(c) to:

☒ The address associated with Customer Number: 021971

OR

☐

Firm or Individual Name		
Address		
City		
Country		
Telephone		Email

Assignee
Phunware, Inc.
7800 Shoal Creek Blvd., Suite 210-W
Austin, Texas 78757

A copy of this form, together with a statement under 37 CFR 3.73(c) (Form PTO/SB/96 or equivalent) is required to be Filed in each application in which this form is used. The statement under 37 CFR 3.73(c) may be completed by one of The practitioners appointed in this form, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record
The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature	Alan S. Knitowski	Date	8/27/2013
Name	Alan S. Knitowski	Telephone	(512) 745-4080
Title	Chief Executive Officer		

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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

5747527_1.DOC

PTO/AIA/96 (08-12)
Approved for use through 01/31/2013. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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STATEMENT UNDER 37 CFR 3.73(c)

Applicant/Patent Owner: Phunware, Inc.

Application No./Patent No.: 13/865,987 Filed/Issue Date: April 18, 2013

Titled: Method and System for Rendering Content on a Wireless Device

Phunware, Inc., a corporation

(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that, for the patent application/patent identified above, it is (choose **one** of options 1, 2, 3 or 4 below):

1. ☒ The assignee of the entire right, title, and interest.

2. ☐ An assignee of less than the entire right, title, and interest (check applicable box):

☐ The extent (by percentage) of its ownership interest is _____%. Additional Statement(s) by the owners holding the balance of the interest must be submitted to account for 100% of the ownership interest.

☐ There are unspecified percentages of ownership. The other parties, including inventors, who together own the entire right, title and interest are:

Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

3. ☐ The assignee of an undivided interest in the entirety (a complete assignment from one of the joint inventors was made). The other parties, including inventors, who together own the entire right, title, and interest are:

Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

4. ☐ The recipient, via a court proceeding or the like (*e.g.*, bankruptcy, probate), of an undivided interest in the entirety (a complete transfer of ownership interest was made). The certified document(s) showing the transfer is attached.

The interest identified in option 1, 2 or 3 above (not option 4) is evidenced by either (choose **one** of options A or B below):

A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: Pierre Carion, Kevin Smith To: Hands-On Mobile, Inc.

The document was recorded in the United States Patent and Trademark Office at Reel 019707, Frame 0233, or for which a COPY thereof is attached.

2. From: Hands-On Mobile, Inc. To: GoTV Networks, Inc.

The document was recorded in the United States Patent and Trademark Office at Reel 024306, Frame 0841, or for which a copy thereof is attached.

This collection of information is required by 37 CFR 3.73(b). 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.

PTO/AIA/96 (08-12)
Approved for use through 01/31/2013. 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.

STATEMENT UNDER 37 CFR 3.73(c)

3. From: GoTV Networks, Inc. To: Phunware, Inc.

The document was recorded in the United States Patent and Trademark Office at

Reel 033938, Frame 0956, or for which a COPY thereof is attached.

4. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

Reel _____, Frame _____, or for which a COPY thereof is attached.

5. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

Reel _____, Frame _____, or for which a COPY thereof is attached.

6. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

Reel _____, Frame _____, or for which a COPY thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet(s).

☒ As required by 37 CFR 3.73(c)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

/Ali Alemozafar/	October 14, 2014
Signature	Date
Ali R. Alemozafar, Ph.D., Esq.	68,180
Printed or Typed Name	Title or Registration Number

Electronic Acknowledgement Receipt

EFS ID:	20414587
Application Number:	13865987
International Application Number:	
Confirmation Number:	3724
Title of Invention:	Method and System for Rendering Content on a Wireless Device
First Named Inventor/Applicant Name:	Pierre Carion
Customer Number:	21971
Filer:	Ali Reza Alemozafar/Lydia Vosburgh (ARA/lcv)
Filer Authorized By:	Ali Reza Alemozafar
Attorney Docket Number:	38285-705.301
Receipt Date:	14-OCT-2014
Filing Date:	18-APR-2013
Time Stamp:	18:13:35
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	Power of Attorney	38285-705-301-POA-10-14-2014.pdf	126740 4b66182c9b2924787a89c5a4fc10049d8fb8bc43	no	3

Warnings:	
Information:	

Total Files Size (in bytes):	126740

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 NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
13/865,987	04/18/2013	Pierre Carion	38285-705.301

CONFIRMATION NO. 3724

IMPROPER CFR REQUEST

21971
WILSON, SONSINI, GOODRICH & ROSATI
650 PAGE MILL ROAD
PALO ALTO, CA 94304-1050

OC00000071082621

Date Mailed: 10/03/2014

RESPONSE TO REQUEST FOR CORRECTED FILING RECEIPT

Power of Attorney, Claims, Fees, System Limitations, and Miscellaneous

In response to your request for a corrected Filing Receipt, the Office is unable to comply with your request because:

- Any request to correct or update the name of the applicant must include an application data sheet (ADS) in compliance with 37 CFR 1.76 specifying the correct or updated name of the applicant in the applicant information section. Any request to change the applicant after an original applicant has been specified under 37 CFR 1.46(b) must include a new ADS in compliance with 37 CFR 1.76 specifying the applicant in the applicant information section and comply with 37 CFR 3.71 and 3.73. See 37 CFR 1.46(c).

/zabraha/

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

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
13/865,987	04/18/2013	Pierre Carion	38285-705.301

CONFIRMATION NO. 3724

IMPROPER CPOA LETTER

21971
WILSON, SONSINI, GOODRICH & ROSATI
650 PAGE MILL ROAD
PALO ALTO, CA 94304-1050

OC000000071082586

Date Mailed: 10/03/2014

NOTICE REGARDING POWER OF ATTORNEY

This is in response to the power of attorney filed 09/25/2014. The power of attorney in this application is not accepted for the reason(s) listed below:

- The power of attorney has not been accepted because the party who is giving power has not been identified. Power of attorney may only be signed by the applicant for patent (37 CFR 1.42) or the patent owner. A party who is not the applicant must become the applicant in accordance with 37 CFR 1.46(c) and appoint any power of attorney in compliance with 37 CFR 3.71 and 3.73. For a reissue application, reexamination proceeding, or supplemental examination proceeding, a patent owner who was not the applicant under 37 CFR 1.46 must appoint any power of attorney in compliance with 37 CFR 3.71 and 3.73. See 37 CFR 1.32(b)(4).

/zabraha/

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application:			
Inventor:	Pierre Carion, et al	Confirmation No.:	5085
Application No.:	11/888,803	Examiner:	Marcos L. Torres
Filed:	August 1, 2007	Group Art Unit:	2617
Title:	METHODS AND SYSTEM FOR RENDERING CONTENT ON A WIRELESS DEVICE	Customer No.	021971
		File No.	38285-705.201

POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO and 3.73 STATEMENT

☒ I hereby appoint the practitioners associated with Customer Number: **021971**

As attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO).

☒ Please address all correspondence for the above-identified application to: **021971**

STATEMENT UNDER 37 CFR 3.73(b)

GoTV Networks, Inc. (Name of Assignee) a California corporation (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is: the assignee of the entire right, title and interest; in the patent application/patent identified above by virtue of either:

A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel , Frame , *or for which a copy thereof is attached.*

OR

B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Pierre Carion, Kevin Smith To:Hands-On Mobile, Inc.
   The document was recorded in the United States Patent and Trademark Office at Reel 019707, Frame 0233, *or for which a copy thereof is attached.*
2. From: Hands-On Mobile, Inc. To: GoTV Networks, Inc.
   The document was recorded in the United States Patent and Trademark Office at Reel 024306, Frame 0841, *or for which a copy thereof is attached.*

I am an authorized representative of the:

☒ Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is incorporated herein.

SIGNATURE of Assignee of Record

Signature

Name/Title Alan S. Knitowski, CEO

Date 9/27/2011 Telephone No. (512) 745-4080

Electronic Acknowledgement Receipt

EFS ID:	20250222
Application Number:	13865987
International Application Number:	
Confirmation Number:	3724
Title of Invention:	Method and System for Rendering Content on a Wireless Device
First Named Inventor/Applicant Name:	Pierre Carion
Customer Number:	21971
Filer:	Ali Reza Alemozafar/Lydia Vosburgh (ARA/lcv)
Filer Authorized By:	Ali Reza Alemozafar
Attorney Docket Number:	38285-705.301
Receipt Date:	25-SEP-2014
Filing Date:	18-APR-2013
Time Stamp:	19:48:11
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	Power of Attorney	38285-705-301-POA.pdf	39302 1eecdc9f3ffc1ff19d1c6aa490c68c8c943f675c	no	1

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New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

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

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

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/865,987	04/18/2013	Pierre Carion	38285-705.301	3724

21971 7590 07/09/2014

WILSON, SONSINI, GOODRICH & ROSATI
650 PAGE MILL ROAD
PALO ALTO, CA 94304-1050

EXAMINER	
SIDDIQUI, KASHIF	

ART UNIT	PAPER NUMBER
2646	

NOTIFICATION DATE	DELIVERY MODE
07/09/2014	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):

patentdocket@wsgr.com

Office Action Summary	Application No. 13/865,987	Applicant(s) CARION ET AL.	
	Examiner KASHIF SIDDIQUI	Art Unit 2646	AIA (First Inventor to File) Status No

-- 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 *02/27/2014*.

☐ 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) *1,3-8,10,13,15-20,22 and 37-40* is/are pending in the application.

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

6)☒ Claim(s) *37-40* is/are allowed.

7)☒ Claim(s) *1,3-8,10,13,15-20 and 22* 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 *04/18/2013* 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: _____.

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

DETAILED ACTION

Allowable Subject Matter

2. Claims 37-40 are allowed.

Double Patenting

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

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

activities undertaken within the scope of a joint research agreement. A terminal disclaimer must be signed in compliance with 37 CFR 1.321(b).

The USPTO internet Web site contains terminal disclaimer forms which may be used. Please visit http://www.uspto.gov/forms/. The filing date of the application will determine what form should be used. A web-based eTerminal Disclaimer may be filled out completely online using web-screens. An eTerminal Disclaimer that meets all requirements is auto-processed and approved immediately upon submission. For more information about eTerminal Disclaimers, refer to http://www.uspto.gov/patents/process/file/efs/guidance/eTD-info-I.jsp.

4. Claims 1, 3-8, 10, 13, 15-20, 22 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1, 3-9, 12, 14-20 of U.S. Patent No. US 8478245 B2. Although the claims at issue are not identical, they are not patentably distinct from each other because:

a. Claim 1 of the instant application merely recites an embodiment directed to transmitting content identical to the content being received in claim 1 of the patent. It would have been obvious to one of ordinary skill in the art at the time that the invention was made to have conceived that at a wireless device receiving content would require another entity to have transmitted said content.

b. Similar reasoning applies to the following claims:

i. Claim 3 of the instant application with respect to claim 3 of the patent.

ii. Claim 4 of the instant application with respect to claim 4 of the patent.

iii. Claim 5 of the instant application with respect to claim 5 of the patent.

iv. Claim 6 of the instant application with respect to claim 6 of the patent.

v. Claim 7 of the instant application with respect to claim 7 of the patent.

vi. Claim 8 of the instant application with respect to claim 8 of the patent.

vii. Claim 10 of the instant application with respect to claim 9 of the patent.

viii. Claim 13 of the instant application with respect to claim 12 of the patent.

ix. Claim 15 of the instant application with respect to claim 14 of the patent.

x. Claim 16 of the instant application with respect to claim 15 of the patent.

xi. Claim 17 of the instant application with respect to claim 16 of the patent.

xii. Claim 18 of the instant application with respect to claim 17 of the patent.

xiii. Claim 19 of the instant application with respect to claim 18 of the patent.

xiv. Claim 20 of the instant application with respect to claim 19 of the patent.

xv. Claim 22 of the instant application with respect to claim 20 of the patent.

Claim Rejections - 35 USC § 101

5. 35 U.S.C. 101 reads as follows:

> Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

6. Claims 13, 15-20, 22 is/are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. The claim(s) is/are NOT directed to a process, machine, manufacture or composition of matter. The claimed “computer-readable media” in light of the specification leads to the conclusion that the claim encompasses transitory signals, which does not fall within the definition of a process, machine, manufacture or composition of matter. Examiner suggests amending the claims to recite "A non-transitory computer program product" or "a non-transitory computer usable medium/program code" where appropriate. See Official Gazette Notice 1351 OG 212 (February 23, 2010).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to KASHIF SIDDIQUI whose telephone number is (571)270-3188. The examiner can normally be reached on Monday through Thursday 6:30-16:30 (EST).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kamran Afshar can be reached on (571)272-7796. 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.

/KASHIF SIDDIQUI/
Primary Examiner, Art Unit 2646

Notice of References Cited	Application/Control No. 13/865,987	Applicant(s)/Patent Under Reexamination CARION ET AL.	
	Examiner KASHIF SIDDIQUI	Art Unit 2646	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-5,430,836 A	07-1995	Wolf et al.	715/744
*	B	US-2003/0151621 A1	08-2003	McEvilly et al.	345/744
*	C	US-2008/0134018 A1	06-2008	Kembel et al.	715/234
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

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	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.

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Substitute for form 1449/PTO **INFORMATION DISCLOSURE STATEMENT BY APPLICANT** *(Use as many sheets as necessary)*				***Complete if Known***	
				Application Number	13/865,987
				Filing Date	April 18, 2013
				First Named Inventor	Pierre Carion
				Art Unit	2447
				Examiner Name	Unassigned
Sheet	1	of	6	Attorney Docket Number	38285-705.301

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1.	US 2002/0018487 A1	02/14/2002	Chen et al.	
	2.	US 2002/0103881 A1	08/01/2002	Granade et al.	
	3.	US 2002/0109718 A1	08/15/2002	Mansour,et al	
	4.	US 2002/0131404 A1	09/01/2002	Mehta et al.	
	5.	US 2003/0018521 A1	01/23/2003	Kraft et al.	
	6.	US 2003/0106022 A1	06/05/2003	Goodacre et al.	
	7.	US 2003/0120637 A1	06/26/2003	Chithambaram et al.	
	8.	US 2003/0151621 A1	08/14/2003	McEvilly et al.	
	9.	US 2003/0182419 A1	09/25/2003	Barr et al.	
	10.	US 2004/0133848 A1	07/08/2004	Hunt et al.	
	11.	US 2004/0210907 A1	10/21/2004	Lau et al.	
	12.	US 2004/0236860 A1	11/25/2004	Logston et al.	
	13.	US 2004/0252197 A1	12/16/2004	Fraley et al.	
	14.	US 2005/0223352 A1	10/06/2005	Nishida	
	15.	US 2006/0031387 A1	02/09/2006	Hamzeh et al.	
	16.	US 2006/0123053 A1	06/08/2006	Scannell	
	17.	US 2006/0129632 A1	06/15/2006	Blume et al.	
	18.	US 2006/0236308 A1	10/19/2006	Lamb et al.	
	19.	US 2007/0067373 A1	03/22/2007	Higgins et al.	
	20.	US 2007/0078009 A1	04/05/2007	Lockton et al.	
	21.	US 2007/0123229 A1	05/31/2007	Pousti	
	22.	US 2007/0130156 A1	06/07/2007	Tenhunen et al.	
	23.	US 2007/0130333 A1	06/07/2007	Bhalla et al.	
	24.	US 2008/0016176 A1	01/17/2008	Leitner	
	25.	US 2008/0072139 A1	03/20/2008	Salinas et al.	
	26.	US 2008/0134018 A1	06/05/2008	Kembel et al.	
	27.	US 2009/0037329 A1	02/05/2009	Coppinger et al.	
	28.	US 2009/0037391 A1	02/05/2009	Agrawal et al.	
	29.	US 2009/0177663 A1	07/09/2009	Hulaj et al.	

Examiner Signature	/Kashif Siddiqui/	Date Considered	06/30/2014

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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 2 hours 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, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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				Filing Date	April 18, 2013
				First Named Inventor	Pierre Carion
				Art Unit	2447
				Examiner Name	Unassigned
Sheet	2	of	6	Attorney Docket Number	38285-705.301

U.S. PATENT DOCUMENTS

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	30.	US 2009/0220068 A1	09/03/2009	Vialle et al.	
	31.	US 2009/0227274 A1	09/10/2009	Adler et al.	
	32.	US 2009/0259940 A1	10/15/2009	Moraes	
	33.	US 2010/0174974 A1	07/08/2010	Brisebois et al.	
	34.	US 5,060,140	10/22/1991	Brown et al.	
	35.	US 5,430,836 A	07/04/1995	Wolf et al.	
	36.	US 6,336,124	01/01/2002	Alam et al.	
	37.	US 6,343,318	01/29/2002	Hawkins et al.	
	38.	US 6,345,279	02/05/2002	Li , et al.	
	39.	US 6,457,030	09/24/2002	Adams et al.	
	40.	US 6,490,627	12/03/2002	Kalra et al.	
	41.	US 6,795,710	09/21/2004	Creemer	
	42.	US 6,884,172	04/26/2005	Lloyd, et al. 4	
	43.	US 6,996,537	02/07/2006	Minear et al.	
	44.	US 7,222,154	05/22/2007	Dowling	
	45.	US 7,286,562	10/23/2007	Vargo et al.	
	46.	US 7,506,070	03/01/2009	Tran et al.	
	47.	US 7,568,201	07/28/2009	Suryanarayana et al.	
	48.	US 7,580,703	08/25/2009	Veselov et al.	
	49.	US 7,599,665	10/06/2009	Sinivaara	
	50.	US 7,627,354	12/01/2009	Khazaka et al.	
	51.	US 7,636,792	12/01/2009	Ho	
	52.	US 7,671,869	03/02/2010	Arnold et al.	
	53.	US 7,979,350	07/12/2011	Carion et al.	
	54.	US 8,009,619	08/30/2011	Clavel et al.	
	55.	US 8,103,865	01/24/2012	Carion et al.	

Examiner Signature	/Kashif Siddiqui/	Date Considered	06/30/2014

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Sheet	3	of	6	Attorney Docket Number	38285-705.301

UNPUBLISHED PATENT APPLICATIONS

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	56.	US 12/001,001	Appln filed 12/07/2011	Clavel et al.	
	57.	US 12/018,141	Appln filed 01/22/2008	Clavel et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3] – Number[4] – Kind Code[5] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]
	58.	EP 1571547 A1	09/07/2005	Bibr et al.		
	59.	KR 20070003418 A (w/English Abstract)	01/05/2007	Bae et al.		
	60.	KR 20080022697 A (w/English Abstract)	03/12/2008	Yun et al.		
	61.	WO 2002/103963 A1	12/27/2002	Farouk		

Continued on the next page with more references.

Examiner Signature	/Kashif Siddiqui/	Date Considered	06/30/2014

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Substitute for form 1449/PTO **INFORMATION DISCLOSURE STATEMENT BY APPLICANT** *(Use as many sheets as necessary)*				***Complete if Known***	
				Application Number	13/865,987
				Filing Date	April 18, 2013
				First Named Inventor	Pierre Carion
				Art Unit	2447
				Examiner Name	Unassigned
Sheet	4	of	6	Attorney Docket Number	38285-705.301

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.[1]	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, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
	62.	ABRAMS, et al. UIML: An XML Language for Building Device-Independent User Interfaces. XML Conference Proceedings. Proceedings of XML, XX, XX, 1 December 1999.	
	63.	ALI, et al. Building Multi-Platform User Interfaces with UIML. Retrieved from the Internet: 5-17-2004. URL: arxiv.org/ftp/cs/papers/0111/0111024.pdf.	
	64.	GRUNDY, et al; "An Architecture for Building Multi-device Thin-Client Web User Interfaces" Advanced Information Systems Engineering, vol. 234812002, 1 January 2002 (2002-01-01), pages 728-732, XP002511217	
	65.	International search report and written opinion dated 02/17/2009 for PCT/US2008/009302.	
	66.	International Search Report and Written Opinion mailed October 6, 2009 for International PCT Application No. PCT/US2009/001514, 6 pgs.	
	67.	International Search Report and Written Opinion mailed October 6, 2009 for International PCT Application No. PCT/US2009/001516, 10 pgs.	
	68.	International search report dated 01/30/2009 for PCT Application No. US2008/009303.	
	69.	Mir Farooq Ali et al: "Building Multi-Platform User Interfaces with UIML" Internet Citation, [online] XP002280476 Retrieved from the Internet: URL:http://arxiv.org/ftp/cs/papers/0111/0111024.pdf> [Retrieved on 2004-05-17]	
	70.	Office action dated 01/04/2013 for US Application No. 12/018,141.	
	71.	Office action dated 01/07/2010 for US Application No. 12/098,670.	
	72.	Office action dated 02/07/2011 for US Application No. 11/888,799.	
	73.	Office action dated 02/16/2010 for US Application No. 11/977,186.	
	74.	Office action dated 03/09/2012 for US Application No. 12/018,141.	
	75.	Office action dated 04/08/2011 for US Application No. 12/001,001	

Examiner Signature	/Kashif Siddiqui/	Date Considered	06/30/2014

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Sheet	5	of	6	Attorney Docket Number	38285-705.301

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	76.	Office action dated 05/12/2009 for US Application No. 11/977,186.	
	77.	Office action dated 06/14/2012 for US Application No. 11/888,803.	
	78.	Office action dated 06/21/2010 for US Application No. 11/977,212.	
	79.	Office action dated 06/25/2010 for US Application No. 11/888,799.	
	80.	Office action dated 06/29/2010 for US Application No. 12/098,670.	
	81.	Office action dated 07/07/2011 for US Application No. 12/018,141.	
	82.	Office action dated 07/09/2010 for US Application No. 11/977,186.	
	83.	Office action dated 07/30/2010 for US Application No. 11/977,229.	
	84.	Office action dated 08/19/2010 for US Application No. 11/977,186.	
	85.	Office action dated 09/02/2009 for US Application No. 11/977,186.	
	86.	Office action dated 09/17/2009 for US Application No. 11/977,212.	
	87.	Office action dated 10/31/2011 for US Application No. 12/001,001	
	88.	Office action dated 12/03/2008 for US Application No. 11/977,186.	
	89.	SIMON, et al. Tool-Supported Single Authority for Device Independence and Multimodality" Proceedings of the 7th International Conference on Human Computer Interaction with Mobile Devices & Services. [Online]. 19 September 2005 (2005-09-19), 22 September 2005 (2005-09-22) pages 91-98, XP002511216 Retrieved from the Internet: URL: http//portal.acm.orgicitation.cfm?id=1085777.1085793> [Retrieved on 2009-01-19] abstract.	
	90.	VANDERDONCKT, et al. Synchronised Model-Based Design of Multiple User Interfaces. Internet Article, [online] 10 September 2004 (2004-09-10),pages 1-8, XP002511218 Retrieved from the Internet: URL: http://web.archive.org/web/20040910043454/http://www.isys.ucl.ca.be/bchi/members/q1i/pubNanderdonckt-IHM2001.pdf> [retrieved on 2009-01-20].	

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	91.	Written Opinion mailed February 1, 2010 for International PCT Aplication No. PCT/US2008/009302, 8 pgs.	
	92.	Written Opinion mailed February 1, 2010 for International PCT Aplication No. PCT/US2008/009303, 8 pgs.	
	93.	XIEGERT, et al: "Device Independent Web Applications-The Author Once- Display Everywhere Approach" Web Engineering; [Lecture Notes in Computer Science; LNCS], Springer-Verlag, Berlin/Heidelberg, vol. 3140, 7 July 2004 (2004-07-07), pages 244-255, XP019009054	
	94.	ZIEGERT, et al. Device Independent Web Applications-The Author Once- Display Everywhere Approach. Web Engineering; [Lecture Notes in Computer Science; LNCS], Springer-Verlag, Berlin/Heidelberg. July 7, 2004; 3140:244-255.	

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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13865987	CARION ET AL.
	Examiner	Art Unit
	KASHIF SIDDIQUI	2646

CPC- SEARCHED		
Symbol	Date	Examiner

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
709	246	6/30/2014	KS
455	414.1-414.4,566	6/30/2014	KS
715	200,234-240,744-747	6/30/2014	KS

SEARCH NOTES		
Search Notes	Date	Examiner
Searched EAST	6/30/2014	KS
Searched Google Patents	6/30/2014	KS
Inventor/Assignee Search	6/30/2014	KS
Searched EPO/WIPO	6/30/2014	KS

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

	/KASHIF SIDDIQUI/ Primary Examiner.Art Unit 2646

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				Application Number	13/865,987
				Filing Date	April 18, 2013
				First Named Inventor	Pierre Carion
				Art Unit	2642
				Examiner Name	Rafael Perez Gutierrez
Sheet	1	of	2	Attorney Docket Number	38285-705.301

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1.	US 2008/0201225 A1	08/21/2008	Maharajh et al.	
	2.	US 8,478,245	07/02/2013	Carion et al.	

UNPUBLISHED PATENT APPLICATIONS

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				Filing Date	April 18, 2013
				First Named Inventor	Pierre Carion
				Art Unit	2642
				Examiner Name	Rafael Perez Gutierrez
Sheet	2	of	2	Attorney Docket Number	38285-705.301

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	5.	Office action dated 10/23/2013 for US Application No. 12/018,141.	

Examiner Signature	/Kashif Siddiqui/	Date Considered	06/30/2014

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CONFIRMATION NO. 3724

SERIAL NUMBER	FILING or 371(c) DATE RULE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
13/865,987	04/18/2013	455	2646	38285-705.301

APPLICANTS
Phunware, Inc., Austin, TX

INVENTORS
Pierre Carion, La Jolla, CA;
Kevin Smith, San Diego, CA;

**** CONTINUING DATA ***************************
This application is a CON of 11/888,803 08/01/2007 PAT 8478245

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

**** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ****
05/23/2013

Foreign Priority claimed ☐ Yes ☑ No 35 USC 119(a-d) conditions met ☐ Yes ☑ No Verified and Acknowledged /KASHIF SIDDIQUI/ Examiner's Signature	☐ Met after Allowance Initials	STATE OR COUNTRY	SHEETS DRAWINGS	TOTAL CLAIMS	INDEPENDENT CLAIMS
		CA	9	20	3

ADDRESS

WILSON, SONSINI, GOODRICH & ROSATI
650 PAGE MILL ROAD
PALO ALTO, CA 94304-1050
UNITED STATES

TITLE

Method and System for Rendering Content on a Wireless Device

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1740	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

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13865987	CARION ET AL.
	Examiner	Art Unit
	KASHIF SIDDIQUI	2646

✓	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	06/30/2014								
	1	✓								
	2	-								
	3	✓								
	4	✓								
	5	✓								
	6	✓								
	7	✓								
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CLAIM		DATE								
Final	Original	06/30/2014								
	37	=								
	38	=								
	39	=								
	40	=								

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				Art Unit	2642
				Examiner Name	Rafael Perez Gutierrez
Sheet	1	of	2	Attorney Docket Number	38285-705.301

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

[1]Applicant's unique citation designation number (optional). [2]Applicant is to place a checkmark here if English language Translation is attached.

This collection of information is required by 37 CFR 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 2 hours 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, 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 (1-800-786-9199) and select option 2.

Electronic Acknowledgement Receipt

EFS ID:	18316878
Application Number:	13865987
International Application Number:	
Confirmation Number:	3724
Title of Invention:	Method and System for Rendering Content on a Wireless Device
First Named Inventor/Applicant Name:	Pierre Carion
Customer Number:	21971
Filer:	Ali Reza Alemozafar/Steven Dieu (ARAL)
Filer Authorized By:	Ali Reza Alemozafar
Attorney Docket Number:	38285-705.301
Receipt Date:	27-FEB-2014
Filing Date:	18-APR-2013
Time Stamp:	10:22:00
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		IDS38285-705-301-02-27-14.pdf	181647 bc2328618d5a259e6d9a1b8aa613b97ac290b4f0	yes	6

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Transmittal Letter	1	4
	Information Disclosure Statement (IDS) Form (SB08)	5	6
Warnings:			
Information:			

2	Non Patent Literature	Z-OA-10-23-13-USApp-12-018141.pdf	705355 fcf2843dfb75d4393c8674f4e83d19cee186f472	no	20
Warnings:					
Information:					
		Total Files Size (in bytes):	887002		

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

Inventor: Pierre CARION, et al.	Group Art Unit: 2642
Serial Number: 13/865,987	Examiner: Rafael Perez Gutierrez
Filing or 371(c) Date: April 18, 2013	**CONFIRMATION NO: 3724**
Title: METHOD AND SYSTEM FOR RENDERING CONTENT ON A WIRELESS DEVICE	

FILED ELECTRONICALLY ON: February 27, 2014

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

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §1.97

Madam:

An Information Disclosure Statement along with attached PTO/SB/08 is hereby submitted. A copy of each listed publication is submitted, if required, pursuant to 37 CFR §§ 1.97-1.98, as indicated below.

The Examiner is requested to review the information provided and to make the information of record in the above-identified application. The Examiner is further requested to initial and return the attached PTO/SB/08 in accordance with MPEP § 609.

The right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered, is hereby reserved.

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, prior art or material to patentability as defined in § 1.56.

A. ☒ *37 CFR § 1.97(b).* This Information Disclosure Statement should be considered by the Office because:

☐ (1) It is being filed within 3 months of the filing date of a national application and is other than a continued prosecution application under § 1.53(d);

-- OR --

☐ (2) It is being filed within 3 months of entry of the national stage as set forth in §1.491 in an international application;

-- OR --

☒ (3) It is being filed before the mailing of a first Office action on the merits;

-- OR --

☐ (4) It is being filed before the mailing of a first Office action after the filing of a request for continued examination under § 1.114.

B. ☐ *37 CFR § 1.97(c).* Although this Information Disclosure Statement is being filed after the period specified in *37 CFR § 1.97(b),* above, it is filed before the mailing date of the earlier of (1) a final office action under § 1.113, (2) a notice of allowance under § 1.311, or (3) an action that otherwise closes prosecution on the merits, this Information Disclosure Statement should be considered because it is accompanied by one of:

☐ a statement as specified in § 1.97(e) provided concurrently herewith;

-- OR --

☐ a fee of $180.00 as set forth in § 1.17(p) authorized below, enclosed, or included with the payment of other papers filed together with this statement.

C. ☐ *37 CFR § 1.97(d).* Although this Information Disclosure Statement is being filed after the mailing date of the earlier of (1) a final office action under § 1.113 or (2) a notice of allowance under § 1.311, it is being filed before payment of the issue fee and should be considered because it is accompanied by:

i. a statement as specified in § 1.97(e);

-- AND --

ii. 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.

D. ☐ *37 CFR § 1.97(e).* Statement.

☐ A statement is provided herewith to satisfy the requirement under 37 CFR §§ 1.97(c);

-- AND/OR --

☐ A statement is provided herewith to satisfy the requirement under 37 CFR §§ 1.97(d);

-- AND/OR --

☐ A copy of a dated communication from a foreign patent office clearly showing that the information disclosure statement is being submitted within 3 months of the filing date on the communication is provided in lieu of a statement under 37 C.F.R. § 1.97(e)(1) as provided for under MPEP 609.04(b) V.

E. ☐ *Statement Under 37 C.F.R. § 1.704(d).* Each item of information contained in the information disclosure statement was first cited in a communication from a foreign patent office in a counterpart application that was received by an individual designated in § 1.56(c) not more than thirty (30) days prior to the filing of this information disclosure statement. This statement is made pursuant to the

requirements of 37 C.F.R. § 1.704(d) to avoid reduction of the period of adjustment of the patent term for Applicant(s) delay.

F. ☒ *37 CFR § 1.98(a)(2).* The content of the Information Disclosure Statement is as follows:

☐ Copies of each of the references listed on the attached Form PTO/SB/08 are enclosed herewith.

-- OR --

☒ Copies of U.S. Patent Documents (issued patents and patent publications) listed on the attached Form PTO/SB/08 are NOT enclosed.

-- AND/OR --

☒ Copies of Foreign Patent Documents and/or Non Patent Literature Documents listed on the attached Form PTO/SB/08 are enclosed in accordance with 37 CFR § 1.98 (a)(2).

-- AND/OR --

☐ Copies of pending unpublished U.S. patent applications are enclosed in accordance with 37 CFR § 1.98(a)(2)(iii).

G. ☐ *37 CFR § 1.98(a)(3).* The Information Disclosure Statement includes non-English patents and/or references.

☐ Pursuant to 37 CFR § 1.98(a)(3)(i), a concise explanation of the relevance of each patent, publication or other information provided that is not in English is provided herewith.

☐ Pursuant to MPEP 609(B), an English language copy of a foreign search report is submitted herewith to satisfy the requirement for a concise explanation where non-English language information is cited in the search report.

-- OR --

☐ A concise explanation of the relevance of each patent, publication or other information provided that is not in English is as follows: _____

☐ Pursuant to 37 CFR § 1.98(a)(3)(ii), a copy of a translation, or a portion thereof, of the non-English language reference(s) is provided herewith.

H. ☐ *37 CFR § 1.98(d).* Copies of patents, publications and pending U.S. patent applications, or other information specified in 37 C.F.R. § 1.98(a) are not provided herewith because:

☐ Pursuant to 37 CFR § 1.98(d)(1) the information was previously submitted in an Information Disclosure Statement, or cited by examiner for another application under which this application claims priority for an earlier effective filing date under 35 U.S.C. 120.

Application in which the information was submitted: _____

Information Disclosure Statement(s) filed on: _____

AND

☐ The information disclosure statement submitted in the earlier application complied with paragraphs (a) through (c) of 37 CFR § 1.98.

I. ☒ *Fee Authorization*. The Commissioner is hereby authorized to charge the above-referenced fees of $0.00 and charge any additional fees or credit any overpayment associated with this communication to Deposit Account No. 23-2415 (Docket No. 38285-705.301).

Respectfully submitted,

WILSON SONSINI GOODRICH & ROSATI

Dated: February 27, 2014

By: /Ali Alemozafar/
Ali R. Alemozafar, Ph.D., Esq.
Reg. No. 68,180

650 Page Mill Road
Palo Alto, CA 94304-1050
(650) 493-9300
Customer No. 021971

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
13/865,987	04/18/2013	Pierre Carion	38285-705.301

CONFIRMATION NO. 3724

21971
WILSON, SONSINI, GOODRICH & ROSATI
650 PAGE MILL ROAD
PALO ALTO, CA 94304-1050

PUBLICATION NOTICE

OC000000065646438

Title: Method and System for Rendering Content on a Wireless Device

Publication No.US-2013-0339425-A1
Publication Date:12/19/2013

NOTICE OF PUBLICATION OF APPLICATION

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

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

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

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

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

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

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number: 13/865,987

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			N/A	280
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	600
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	720
TOTAL CLAIMS (37 CFR 1.16(i))	20 minus 20 =	*			OR	x 80 =	0.00
INDEPENDENT CLAIMS (37 CFR 1.16(h))	3 minus 3 =	*				x 420 =	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			TOTAL	1600

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

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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
13/865,987	04/18/2013	2447	1740	38285-705.301	20	3

CONFIRMATION NO. 3724

21971
WILSON, SONSINI, GOODRICH & ROSATI
650 PAGE MILL ROAD
PALO ALTO, CA 94304-1050

UPDATED FILING RECEIPT

Date Mailed: 09/11/2013

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

Inventor(s)

Pierre Carion, La Jolla, CA;
Kevin Smith, San Diego, CA;

Applicant(s)

Phunware, Inc., Austin, TX

Assignment For Published Patent Application

Phunware, Inc., Austin, TX

Power of Attorney: None

Domestic Priority data as claimed by applicant

This application is a CON of 11/888,803 08/01/2007 PAT 8478245

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 - A proper **Authorization to Permit Access to Application by Participating Offices** (PTO/SB/39 or its equivalent) has been received by the USPTO.

If Required, Foreign Filing License Granted: 05/23/2013
The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 13/865,987**
Projected Publication Date: 12/19/2013
Non-Publication Request: No

Early Publication Request: No
Title

Method and System for Rendering Content on a Wireless Device

Preliminary Class

709

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

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).

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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.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application:

Inventors: Pierre Carion, et al.

Application No.: 13/865,987

Filed: April 18, 2013

Title: **METHOD AND SYSTEM FOR RENDERING CONTENT ON A WIRELESS DEVICE**

Confirmation No.: **3724**

Customer No. **021971**

FILED ELECTRONICALLY ON: AUGUST 23, 2013

RESPONSE TO NOTICE TO FILE MISSING PARTS

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

In response to the Notice to File Missing Parts of Non-Provisional Application mailed June 5, 2013,

Applicants respond as follows:

1. ☐ Copy of Notice to File Missing Parts is provided
2. ☒ **Filing Fees are authorized herewith**
3. ☐ **Applicant claims small entity status.** See 37 CFR 1.27.
4. ☐ **Replacement Specification is provided***[Total Pages]*
   Both the claims and abstract must start on a new page.
   (For information on the preferred arrangement, see MPEP 608.01(a))
5. ☐ **Replacement Drawing(s)** (35 U.S.C. 113) is provided
   [Total Pages]
6. ☒ **Oath or Declaration is provided** *[Total Pages 4]*
   a. ☒ Newly executed (original or copy)
   b. ☐ Copy from a prior application (37 CFR 1.63(d))
7. ☐ **Information Disclosure** (PTO/SB/08 or PTO-1449) is provided
   ☐ Copies of citations attached
8. ☒ **Preliminary Amendment is provided**
9. ☐ **CD-Rom or CD-R** in duplicate, large table or Computer Program *(Appendix)* is provided
   ☐ Landscape table on CD
10. **Nucleotide and/or Amino Acid Sequence Submission is provided** *(if applicable, items a.-c. are required)*
    a. ☐ Computer Readable Form (CRF)
    b. ☐ Specification Sequence Listing on:
       i. ☐ CD-ROM or CD-R (2 copies); or
       ii. ☐ Paper
    c. ☐ Statement verifying identity of above copies
11. ☐ **Assignment Papers** (cover sheet & document(s) are provided
12. ☐ **Power of Attorney is provided**
    ☐ **37 CFR 3.73(b) Statement** *(when there is an assignee)*
13. ☐ **English Translation Document** *(if applicable)* is provided
14. ☐ **Certified Copy of Priority Document(s)** *(if foreign priority is claimed)* is provided
15. ☐ Applicants request an Extension of Time under 37 C.F.R. §1.136 of:
    ☒ 1 Month ☐ 2 Months ☐ 3 Months
    ☐ 4 Months ☐ 5 Months
16. ☐ Other:

FEE AUTHORIZATION

The Commissioner is authorized to charge any additional fees which may be required, including petition fees and extension of time fees, to Deposit Account No. **23-2415** (Docket No. 38285-705.301).

Respectfully submitted,

Date: August 23, 2013

By: /Ali Alemozafar/
Ali R. Alemozafar, Ph.D., Esq.
Registration No. 68,180

WILSON SONSINI GOODRICH & ROSATI
650 Page Mill Road
Palo Alto, CA 94304-1050
Direct Dial: (650) 493-9300

5767488_1.DOC

PTO/AIA/01 (06-12)
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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 SYSTEM FOR RENDERING CONTENT ON A WIRELESS DEVICE

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 13/865,987 filed on April 18, 2013.

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

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

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

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: PIERRE CARION Date (Optional): 04/22/2013

Signature: _____

Note: An application data sheet (PTO/AIA/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an additional PTO/SB/AIA01 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.

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
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DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	METHOD AND SYSTEM FOR RENDERING CONTENT ON A WIRELESS DEVICE

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 13/865,987

filed on April 18, 2013.

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

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

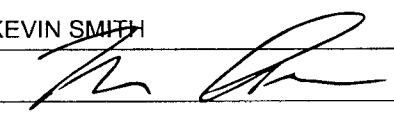
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

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: KEVIN SMITH Date (Optional): 8/21/13

Signature: 

Note: An application data sheet (PTO/AIA/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an additional PTO/SB/AIA01 form for each additional inventor.

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9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

PATENT
Attorney Docket No.: 38285-705.301

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application:	Confirmation No.: 3724
Inventors: Pierre Carion, et al.	Examiner: Not Yet Assigned
Application No.: 13/865,987	Group Art Unit: 2447
Filed: April 18, 2013	Customer No.: 021971
Title: **METHOD AND SYSTEM FOR RENDERING CONTENT ONA WIRELESS DEVICE**	

FILED ELECTRONICALLY ON: AUGUST 23, 2013

PRELIMINARY AMENDMENT

M/S Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Madam:

Prior to examination of the above-referenced application, please amend the application as follows:

Amendments to the Specification appear on page 2 of this paper.

Amendments to the Claims begin on page 3 of this paper.

Remarks begin on page 7 of this paper.

AMENDMENTS TO THE SPECIFICATION

Please amend paragraph [0001] and the heading immediately before paragraph [0001] as follows:

~~RELATED U.S. PATENT APPLICATION~~

~~This Application is related to US Patent Application _____ filed on August 1, 2007, by Carion et al., and entitled "A SERVER METHOD AND SYSTEM FOR RENDERING CONTENT ON A WIRELESS DEVICE" with the Attorney Docket No. HOMI-P004 and assigned to the assignee of the present invention.~~

CROSS REFERENCE

This application is a continuation of U.S. Patent Application Serial No. 11/888,803, filed August 1, 2007, now U.S. Patent No. 8,478,245, which is incorporated herein by reference in its entirety.

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A method of ~~rendering content on~~generating content that is renderable by a wireless device, said method comprising:

~~receiving~~ transmitting, to said wireless device, an identification of a custom configuration of a plurality of rendering blocks of said wireless device, wherein said custom configuration is associated with an application and configures said plurality of rendering blocks to render content in a manner customized to said application; and

~~receiving~~ transmitting, to said wireless device, compiled content comprising (i) first compiled content specific to a first page of said application and (ii) second compiled content specific to a second page of said application, wherein said compiled content is generated in part from execution of said application, wherein said compiled content comprises render commands expressed in a syntax that is generic to said wireless device, and wherein said custom configuration is applicable to said first and second compiled content[[;]],

wherein said compiled content and said custom configuration are usable by ~~using~~ a graphical user interface comprising said plurality of rendering blocks to generate renderable content based on said compiled content and said custom configuration; ~~and~~

~~rendering said renderable content on said wireless device~~.

2. (Canceled)

3. (Original) A method as described in Claim 1 wherein said renderable content comprises audio content and display content.

4. (Original) A method as described in claim 1 wherein said compiled content is partially resultant from said application operating on a remote server.

5. (Original) A method as described in Claim 1 wherein said compiled content is specific to the rendering capabilities of said wireless device.

6. (Original) A method as described in Claim 1 wherein each of said plurality of rendering blocks operates specific to a wireless device type of said wireless device and each is instructed using a syntax that is generic to said wireless device type.

7. (Original) A method as described in Claim 6 wherein said custom configuration comprises a syntax that is generic regarding said wireless device type.

8. (Original) A method as described in Claim 1 wherein said custom configuration comprises configuration information and content specific to said application.

9. (Canceled)

10. (Currently amended) A method as described in Claim 1 wherein said custom configuration is one of a plurality of memory-stored custom configurations stored by said wireless device, and wherein said method further comprises ~~said identifying said custom configuration comprises receiving~~transmitting an identifier that identifies said custom configuration.

11. (Canceled)

12. (Canceled)

13. (Currently amended) A computer readable media comprising instructions therein that when executed by a processor implement a method of ~~rendering content on~~ generating content that is renderable by a wireless device, said method comprising:

~~receiving~~ transmitting, to said wireless device, an identification of a custom configuration of a plurality of rendering blocks of said wireless device, wherein said custom configuration is associated with an application and configures said plurality of rendering blocks to render content in a manner customized to said application; and

~~receiving~~ transmitting, to said wireless device, compiled content comprising (i) first compiled content specific to a first page of said application and (ii) second compiled content specific to a second page of said application, wherein said compiled content is generated in part from execution of said application, wherein said compiled content comprises render commands

expressed in a syntax that is generic to said wireless device, and wherein said custom configuration is applicable to said first and second compiled content[[;]],

wherein said compiled content and said custom configuration are usable by ~~using~~ a graphical user interface comprising said plurality of rendering blocks to generate renderable content based on said compiled content and said custom configuration~~; and~~

~~rendering said renderable content on said wireless device~~.

14. (Canceled)

15. (Original) A computer readable media as described in Claim 13 wherein said renderable content comprises audio content and display content.

16. (Original) A computer readable media as described in claim 13 wherein said compiled content is partially resultant from said application operating on a remote server.

17. (Original) A computer readable media as described in Claim 13 wherein said compiled content is specific to the rendering capabilities of said wireless device.

18. (Original) A computer readable media as described in Claim 13 wherein each of said plurality of rendering blocks operates specific to a wireless device type of said wireless device and each is instructed using a syntax that is generic to said wireless device type.

19. (Original) A computer readable media as described in Claim 18 wherein said custom configuration comprises a syntax that is generic regarding said wireless device type.

20. (Original) A computer readable media as described in Claim 13 wherein said custom configuration comprises configuration information and content specific to said application.

21. (Canceled)

22. (Currently amended) A computer readable media as described in Claim 13 ~~wherein said custom configuration is one of a plurality of memory stored custom configurations stored by said wireless device and~~ wherein said method further ~~said identifying said custom configuration comprises receiving~~comprises transmitting an identifier that identifies said custom configuration.

23.-36. (Canceled)

37. (New) A server that is programmed to generate content that is renderable by a wireless device, comprising:

a library of applications;

a library of custom configuration data comprising a custom configuration that configures a plurality of rendering blocks of said wireless device to render content in a manner customized to an application from said library of applications requested by said wireless device; and

a layout solver that transmits compiled content to said wireless device, said compiled content comprising (i) first compiled content specific to a first page of said application and (ii) second compiled content specific to a second page of said application, wherein said compiled content is generated in part from execution of said application by said server, wherein said compiled content comprises render commands expressed in a syntax that is generic to said wireless device, and wherein said custom configuration is applicable to said first and second compiled content,

wherein said compiled content and said custom configuration are usable by a graphical user interface comprising said plurality of rendering blocks to generate renderable content based on said compiled content and said custom configuration.

38. (New) A server as described in Claim 37 wherein said renderable content comprises audio content and display content.

39. (New) A server as described in Claim 37 wherein said compiled content is specific to the rendering capabilities of said wireless device.

40. (New) A server as described in Claim 37 wherein said custom configuration comprises configuration information and content specific to said application.

REMARKS

Claims 1-36 were pending prior to entry of the abovementioned amendments. Claims 2, 9, 11, 12, 14, 21 and 23-36 have been canceled. Claims 1, 10, 13, and 22 have been amended. New claims 37-40 have been added. The amendments and new claims are fully supported by the application as originally filed, U.S. Patent Application No. 13/865,987, which is a continuation of U.S. Patent Application No. 11/888,803, which published as U.S. Patent Publication No. 2009/0036105 ("the Publication") and issued as U.S. Patent No. 8,478,245, at, for example, paragraphs [0186]-[0198] of the Publication, and the claims as originally filed. Accordingly, claims 1, 3-8, 10, 13, 15-20, 22 and 37-40 are now pending.

CONCLUSION

Applicant respectfully requests entry of this Preliminary Amendment prior to examination of the present application. The Commissioner is authorized to charge any additional fees which may be required, including petition fees and extension of time fees, to Deposit Account No. 23-2415 (Docket No. 38285-705.301).

If the Examiner believes a telephone conference would expedite prosecution of this application, please telephone the undersigned at 650-849-3272.

Respectfully submitted,

Date: August 23, 2013

By: /Ali Alemozafar/
Ali R. Alemozafar, Ph.D., Esq.
Registration No. 68,180

WILSON SONSINI GOODRICH & ROSATI
650 Page Mill Road
Palo Alto, CA 94304-1050
Direct Dial: (650) 493-9300
Customer No. 21971

Electronic Patent Application Fee Transmittal

Application Number:	13865987
Filing Date:	18-Apr-2013
Title of Invention:	Method and System for Rendering Content on a Wireless Device
First Named Inventor/Applicant Name:	Pierre Carion
Filer:	Ali Reza Alemozafar/Lydia Vosburgh (ARA/lcv)
Attorney Docket Number:	38285-705.301

Filed as Large Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Utility application filing	1011	1	280	280
Utility Search Fee	1111	1	600	600
Utility Examination Fee	1311	1	720	720
Pages:				
Claims:				
Miscellaneous-Filing:				
Late Filing Fee for Oath or Declaration	1051	1	140	140
Petition:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Extension - 1 month with $0 paid	1251	1	200	200
Miscellaneous:				
		Total in USD ($)		**1940**

Electronic Acknowledgement Receipt

EFS ID:	16674842
Application Number:	13865987
International Application Number:	
Confirmation Number:	3724
Title of Invention:	Method and System for Rendering Content on a Wireless Device
First Named Inventor/Applicant Name:	Pierre Carion
Customer Number:	21971
Filer:	Ali Reza Alemozafar/Lydia Vosburgh (ARA/lcv)
Filer Authorized By:	Ali Reza Alemozafar
Attorney Docket Number:	38285-705.301
Receipt Date:	23-AUG-2013
Filing Date:	18-APR-2013
Time Stamp:	16:49:09
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	$1940
RAM confirmation Number	3915
Deposit Account	232415
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Applicant Response to Pre-Exam Formalities Notice	38285-705-301-ResponseMissingParts.pdf	57016 9899f87cabb722f09e9de04517f877f889bbcc17	no	1
Warnings:					
Information:					
2	Oath or Declaration filed	38285-705-301-Oath.pdf	355889 6eb49a976794a4251191c8916d04b1f44e1a9c1e	no	4
Warnings:					
Information:					
3		38285-705-301-PreliminaryAmendment.pdf	138646 f23c6d85d42e0ab0daa1226d4f3eef83d903f7ac	yes	7

Multipart Description/PDF files in .zip description

Document Description	Start	End
Preliminary Amendment	1	1
Specification	2	2
Claims	3	6
Applicant Arguments/Remarks Made in an Amendment	7	7

Warnings:					
Information:					
4	Fee Worksheet (SB06)	fee-info.pdf	38848 a12d210afe3e1fe926c9c0b741e3edbf2753a5ae	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	590399		

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New Applications Under 35 U.S.C. 111

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

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

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

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Substitute for form 1449/PTO **INFORMATION DISCLOSURE STATEMENT BY APPLICANT** *(Use as many sheets as necessary)*				***Complete if Known***	
				Application Number	13/865,987
				Filing Date	April 18, 2013
				First Named Inventor	Pierre Carion
				Art Unit	2447
				Examiner Name	Unassigned
Sheet	1	of	6	Attorney Docket Number	38285-705.301

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1.	US 2002/0018487 A1	02/14/2002	Chen et al.	
	2.	US 2002/0103881 A1	08/01/2002	Granade et al.	
	3.	US 2002/0109718 A1	08/15/2002	Mansour,et al	
	4.	US 2002/0131404 A1	09/01/2002	Mehta et al.	
	5.	US 2003/0018521 A1	01/23/2003	Kraft et al.	
	6.	US 2003/0106022 A1	06/05/2003	Goodacre et al.	
	7.	US 2003/0120637 A1	06/26/2003	Chithambaram et al.	
	8.	US 2003/0151621 A1	08/14/2003	McEvilly et al.	
	9.	US 2003/0182419 A1	09/25/2003	Barr et al.	
	10.	US 2004/0133848 A1	07/08/2004	Hunt et al.	
	11.	US 2004/0210907 A1	10/21/2004	Lau et al.	
	12.	US 2004/0236860 A1	11/25/2004	Logston et al.	
	13.	US 2004/0252197 A1	12/16/2004	Fraley et al.	
	14.	US 2005/0223352 A1	10/06/2005	Nishida	
	15.	US 2006/0031387 A1	02/09/2006	Hamzeh et al.	
	16.	US 2006/0123053 A1	06/08/2006	Scannell	
	17.	US 2006/0129632 A1	06/15/2006	Blume et al.	
	18.	US 2006/0236308 A1	10/19/2006	Lamb et al.	
	19.	US 2007/0067373 A1	03/22/2007	Higgins et al.	
	20.	US 2007/0078009 A1	04/05/2007	Lockton et al.	
	21.	US 2007/0123229 A1	05/31/2007	Pousti	
	22.	US 2007/0130156 A1	06/07/2007	Tenhunen et al.	
	23.	US 2007/0130333 A1	06/07/2007	Bhalla et al.	
	24.	US 2008/0016176 A1	01/17/2008	Leitner	
	25.	US 2008/0072139 A1	03/20/2008	Salinas et al.	
	26.	US 2008/0134018 A1	06/05/2008	Kembel et al.	
	27.	US 2009/0037329 A1	02/05/2009	Coppinger et al.	
	28.	US 2009/0037391 A1	02/05/2009	Agrawal et al.	
	29.	US 2009/0177663 A1	07/09/2009	Hulaj et al.	

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. [1]Applicant's unique citation designation number (optional). [2]See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. [3]Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4]For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5]Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [6]Applicant is to place a check mark here if English language Translation is attached.

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If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for form 1449/PTO **INFORMATION DISCLOSURE STATEMENT BY APPLICANT** *(Use as many sheets as necessary)*				***Complete if Known***	
				Application Number	13/865,987
				Filing Date	April 18, 2013
				First Named Inventor	Pierre Carion
				Art Unit	2447
				Examiner Name	Unassigned
Sheet	2	of	6	Attorney Docket Number	38285-705.301

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	30.	US 2009/0220068 A1	09/03/2009	Vialle et al.	
	31.	US 2009/0227274 A1	09/10/2009	Adler et al.	
	32.	US 2009/0259940 A1	10/15/2009	Moraes	
	33.	US 2010/0174974 A1	07/08/2010	Brisebois et al.	
	34.	US 5,060,140	10/22/1991	Brown et al.	
	35.	US 5,430,836 A	07/04/1995	Wolf et al.	
	36.	US 6,336,124	01/01/2002	Alam et al.	
	37.	US 6,343,318	01/29/2002	Hawkins et al.	
	38.	US 6,345,279	02/05/2002	Li , et al.	
	39.	US 6,457,030	09/24/2002	Adams et al.	
	40.	US 6,490,627	12/03/2002	Kalra et al.	
	41.	US 6,795,710	09/21/2004	Creemer	
	42.	US 6,884,172	04/26/2005	Lloyd, et al. 4	
	43.	US 6,996,537	02/07/2006	Minear et al.	
	44.	US 7,222,154	05/22/2007	Dowling	
	45.	US 7,286,562	10/23/2007	Vargo et al.	
	46.	US 7,506,070	03/01/2009	Tran et al.	
	47.	US 7,568,201	07/28/2009	Suryanarayana et al.	
	48.	US 7,580,703	08/25/2009	Veselov et al.	
	49.	US 7,599,665	10/06/2009	Sinivaara	
	50.	US 7,627,354	12/01/2009	Khazaka et al.	
	51.	US 7,636,792	12/01/2009	Ho	
	52.	US 7,671,869	03/02/2010	Arnold et al.	
	53.	US 7,979,350	07/12/2011	Carion et al.	
	54.	US 8,009,619	08/30/2011	Clavel et al.	
	55.	US 8,103,865	01/24/2012	Carion et al.	

Examiner Signature		Date Considered	

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				Application Number	13/865,987
				Filing Date	April 18, 2013
				First Named Inventor	Pierre Carion
				Art Unit	2447
				Examiner Name	Unassigned
Sheet	3	of	6	Attorney Docket Number	38285-705.301

UNPUBLISHED PATENT APPLICATIONS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	56.	US 12/001,001	Appln filed 12/07/2011	Clavel et al.	
	57.	US 12/018,141	Appln filed 01/22/2008	Clavel et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3] – Number[4] – Kind Code[5] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]
	58.	EP 1571547 A1	09/07/2005	Bibr et al.		
	59.	KR 20070003418 A (w/English Abstract)	01/05/2007	Bae et al.		
	60.	KR 20080022697 A (w/English Abstract)	03/12/2008	Yun et al.		
	61.	WO 2002/103963 A1	12/27/2002	Farouk		

Continued on the next page with more references.

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. [1]Applicant's unique citation designation number (optional). [2]See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. [3]Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4]For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5]Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [6]Applicant is to place a check mark here if English language Translation is attached.

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				Application Number	13/865,987
				Filing Date	April 18, 2013
				First Named Inventor	Pierre Carion
				Art Unit	2447
				Examiner Name	Unassigned
Sheet	4	of	6	Attorney Docket Number	38285-705.301

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.[1]	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, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
	62.	ABRAMS, et al. UIML: An XML Language for Building Device-Independent User Interfaces. XML Conference Proceedings. Proceedings of XML, XX, XX, 1 December 1999.	
	63.	ALI, et al. Building Multi-Platform User Interfaces with UIML. Retrieved from the Internet: 5-17-2004. URL: arxiv.org/ftp/cs/papers/0111/0111024.pdf.	
	64.	GRUNDY, et al; "An Architecture for Building Multi-device Thin-Client Web User Interfaces" Advanced Information Systems Engineering, vol. 234812002, 1 January 2002 (2002-01-01), pages 728-732, XP002511217	
	65.	International search report and written opinion dated 02/17/2009 for PCT/US2008/009302.	
	66.	International Search Report and Written Opinion mailed October 6, 2009 for International PCT Application No. PCT/US2009/001514, 6 pgs.	
	67.	International Search Report and Written Opinion mailed October 6, 2009 for International PCT Application No. PCT/US2009/001516, 10 pgs.	
	68.	International search report dated 01/30/2009 for PCT Application No. US2008/009303.	
	69.	Mir Farooq Ali et al: "Building Multi-Platform User Interfaces with UIML" Internet Citation, [online] XP002280476 Retrieved from the Internet: URL:http://arxiv.org/ftp/cs/papers/0111/0111024.pdf> [Retrieved on 2004-05-17]	
	70.	Office action dated 01/04/2013 for US Application No. 12/018,141.	
	71.	Office action dated 01/07/2010 for US Application No. 12/098,670.	
	72.	Office action dated 02/07/2011 for US Application No. 11/888,799.	
	73.	Office action dated 02/16/2010 for US Application No. 11/977,186.	
	74.	Office action dated 03/09/2012 for US Application No. 12/018,141.	
	75.	Office action dated 04/08/2011 for US Application No. 12/001,001	

Examiner Signature		Date Considered	

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[1]Applicant's unique citation designation number (optional). [2]Applicant is to place a checkmark here if English language Translation is attached.

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				Application Number	13/865,987
				Filing Date	April 18, 2013
				First Named Inventor	Pierre Carion
				Art Unit	2447
				Examiner Name	Unassigned
Sheet	5	of	6	Attorney Docket Number	38285-705.301

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.[1]	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, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
	76.	Office action dated 05/12/2009 for US Application No. 11/977,186.	
	77.	Office action dated 06/14/2012 for US Application No. 11/888,803.	
	78.	Office action dated 06/21/2010 for US Application No. 11/977,212.	
	79.	Office action dated 06/25/2010 for US Application No. 11/888,799.	
	80.	Office action dated 06/29/2010 for US Application No. 12/098,670.	
	81.	Office action dated 07/07/2011 for US Application No. 12/018,141.	
	82.	Office action dated 07/09/2010 for US Application No. 11/977,186.	
	83.	Office action dated 07/30/2010 for US Application No. 11/977,229.	
	84.	Office action dated 08/19/2010 for US Application No. 11/977,186.	
	85.	Office action dated 09/02/2009 for US Application No. 11/977,186.	
	86.	Office action dated 09/17/2009 for US Application No. 11/977,212.	
	87.	Office action dated 10/31/2011 for US Application No. 12/001,001	
	88.	Office action dated 12/03/2008 for US Application No. 11/977,186.	
	89.	SIMON, et al. Tool-Supported Single Authority for Device Independence and Multimodality" Proceedings of the 7th International Conference on Human Computer Interaction with Mobile Devices & Services. [Online]. 19 September 2005 (2005-09-19), 22 September 2005 (2005-09-22) pages 91-98, XP002511216 Retrieved from the Internet: URL: http//portal.acm.orgicitation.cfm?id=1085777.1085793> [Retrieved on 2009-01-19] abstract.	
	90.	VANDERDONCKT, et al. Synchronised Model-Based Design of Multiple User Interfaces. Internet Article, [online] 10 September 2004 (2004-09-10),pages 1-8, XP002511218 Retrieved from the Internet: URL: http://web.archive.org/web/20040910043454/http://www.isys.ucl.ca.be/bchi/members/q1i/pubNanderdonckt-IHM2001.pdf> [retrieved on 2009-01-20].	

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				Filing Date	April 18, 2013
				First Named Inventor	Pierre Carion
				Art Unit	2447
				Examiner Name	Unassigned
Sheet	6	of	6	Attorney Docket Number	38285-705.301

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	91.	Written Opinion mailed February 1, 2010 for International PCT Aplication No. PCT/US2008/009302, 8 pgs.	
	92.	Written Opinion mailed February 1, 2010 for International PCT Aplication No. PCT/US2008/009303, 8 pgs.	
	93.	XIEGERT, et al: "Device Independent Web Applications-The Author Once- Display Everywhere Approach" Web Engineering; [Lecture Notes in Computer Science; LNCS], Springer-Verlag, Berlin/Heidelberg, vol. 3140, 7 July 2004 (2004-07-07), pages 244-255, XP019009054	
	94.	ZIEGERT, et al. Device Independent Web Applications-The Author Once- Display Everywhere Approach. Web Engineering; [Lecture Notes in Computer Science; LNCS], Springer-Verlag, Berlin/Heidelberg. July 7, 2004; 3140:244-255.	

Examiner Signature		Date Considered	

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Electronic Acknowledgement Receipt

EFS ID:	16473465
Application Number:	13865987
International Application Number:	
Confirmation Number:	3724
Title of Invention:	Method and System for Rendering Content on a Wireless Device
First Named Inventor/Applicant Name:	Pierre Carion
Customer Number:	21971
Filer:	Ali Reza Alemozafar/Steven Dieu (ARAL)
Filer Authorized By:	Ali Reza Alemozafar
Attorney Docket Number:	38285-705.301
Receipt Date:	01-AUG-2013
Filing Date:	18-APR-2013
Time Stamp:	10:27:11
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		IDS38285-705-301-08-01-13.pdf	220457 82a265d754642a4c90b600e75592c9310b4ade4f	yes	10

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Transmittal Letter	1	4
	Information Disclosure Statement (IDS) Form (SB08)	5	10
Warnings:			
Information:			
	Total Files Size (in bytes):	220457	

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

Inventor: Pierre CARION, et al.	Group Art Unit: 2447
Serial Number: 13/865,987	Examiner: Unassigned
Filing Date: April 18, 2013	**CONFIRMATION NO: 3724**
Title: METHOD AND SYSTEM FOR RENDERING CONTENT ON A WIRELESS DEVICE	

FILED ELECTRONICALLY ON: August 1, 2013

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

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §1.97

Madam:

An Information Disclosure Statement along with attached PTO/SB/08 is hereby submitted. A copy of each listed publication is submitted, if required, pursuant to 37 CFR §§ 1.97-1.98, as indicated below.

The Examiner is requested to review the information provided and to make the information of record in the above-identified application. The Examiner is further requested to initial and return the attached PTO/SB/08 in accordance with MPEP § 609.

The right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered, is hereby reserved.

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, prior art or material to patentability as defined in § 1.56.

A. ☒ *37 CFR § 1.97(b).* This Information Disclosure Statement should be considered by the Office because:

☐ (1) It is being filed within 3 months of the filing date of a national application and is other than a continued prosecution application under § 1.53(d);

-- OR --

☐ (2) It is being filed within 3 months of entry of the national stage as set forth in §1.491 in an international application;

-- OR --

☒ (3) It is being filed before the mailing of a first Office action on the merits;

-- OR --

☐ (4) It is being filed before the mailing of a first Office action after the filing of a request for continued examination under § 1.114.

B. ☐ *37 CFR § 1.97(c).* Although this Information Disclosure Statement is being filed after the period specified in *37 CFR § 1.97(b),* above, it is filed before the mailing date of the earlier of (1) a final office action under § 1.113, (2) a notice of allowance under § 1.311, or (3) an action that otherwise closes prosecution on the merits, this Information Disclosure Statement should be considered because it is accompanied by one of:

☐ a statement as specified in § 1.97(e) provided concurrently herewith;

-- OR --

☐ a fee of $180.00 as set forth in § 1.17(p) authorized below, enclosed, or included with the payment of other papers filed together with this statement.

C. ☐ *37 CFR § 1.97(d).* Although this Information Disclosure Statement is being filed after the mailing date of the earlier of (1) a final office action under § 1.113 or (2) a notice of allowance under § 1.311, it is being filed before payment of the issue fee and should be considered because it is accompanied by:

i. a statement as specified in § 1.97(e);

-- AND --

ii. 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.

D. ☐ *37 CFR § 1.97(e).* Statement.

☐ A statement is provided herewith to satisfy the requirement under 37 CFR §§ 1.97(c);

-- AND/OR --

☐ A statement is provided herewith to satisfy the requirement under 37 CFR §§ 1.97(d);

-- AND/OR --

☐ A copy of a dated communication from a foreign patent office clearly showing that the information disclosure statement is being submitted within 3 months of the filing date on the communication is provided in lieu of a statement under 37 C.F.R. § 1.97(e)(1) as provided for under MPEP 609.04(b) V.

E. ☐ *Statement Under 37 C.F.R. § 1.704(d).* Each item of information contained in the information disclosure statement was first cited in a communication from a foreign patent office in a counterpart application that was received by an individual designated in § 1.56(c) not more than thirty (30) days prior to the filing of this information disclosure statement. This statement is made pursuant to the

requirements of 37 C.F.R. § 1.704(d) to avoid reduction of the period of adjustment of the patent term for Applicant(s) delay.

F. ☒ *37 CFR § 1.98(a)(2).* The content of the Information Disclosure Statement is as follows:

☐ Copies of each of the references listed on the attached Form PTO/SB/08 are enclosed herewith.

-- OR --

☒ Copies of U.S. Patent Documents (issued patents and patent publications) listed on the attached Form PTO/SB/08 are NOT enclosed.

-- AND/OR --

☐ Copies of Foreign Patent Documents and/or Non Patent Literature Documents listed on the attached Form PTO/SB/08 are enclosed in accordance with 37 CFR § 1.98 (a)(2).

-- AND/OR --

☐ Copies of pending unpublished U.S. patent applications are enclosed in accordance with 37 CFR § 1.98(a)(2)(iii).

G. ☐ *37 CFR § 1.98(a)(3).* The Information Disclosure Statement includes non-English patents and/or references.

☐ Pursuant to 37 CFR § 1.98(a)(3)(i), a concise explanation of the relevance of each patent, publication or other information provided that is not in English is provided herewith.

☐ Pursuant to MPEP 609(B), an English language copy of a foreign search report is submitted herewith to satisfy the requirement for a concise explanation where non-English language information is cited in the search report.

-- OR --

☐ A concise explanation of the relevance of each patent, publication or other information provided that is not in English is as follows: _____

☐ Pursuant to 37 CFR § 1.98(a)(3)(ii), a copy of a translation, or a portion thereof, of the non-English language reference(s) is provided herewith.

H. ☒ *37 CFR § 1.98(d).* Copies of patents, publications and pending U.S. patent applications, or other information specified in 37 C.F.R. § 1.98(a) are not provided herewith because:

☒ Pursuant to 37 CFR § 1.98(d)(1) the information listed on the attached Form PTO/SB/08 as **items no. 56 to 94** was previously submitted in an Information Disclosure Statement, or cited by examiner for another application under which this application claims priority for an earlier effective filing date under 35 U.S.C. 120.

Application in which the information was submitted: Serial No. 11/888,803

Information Disclosure Statement(s) filed on: 06/02/2009, 12/13/2012 and 03/28/2013

AND

☒ The information disclosure statement submitted in the earlier application complied with paragraphs (a) through (c) of 37 CFR § 1.98.

I. ☒ *Fee Authorization*. The Commissioner is hereby authorized to charge the above-referenced fees of $0.00 and charge any additional fees or credit any overpayment associated with this communication to Deposit Account No. 23-2415 (Docket No. 38285-705.301).

Respectfully submitted,

WILSON SONSINI GOODRICH & ROSATI

Dated: August 1, 2013

By: /Ali Alemozafar/
Ali R. Alemozafar, Ph.D., Esq.
Reg. No. 68,180

650 Page Mill Road
Palo Alto, CA 94304-1050
(650) 493-9300
Customer No. 021971

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 13/865,987	Filing Date 04/18/2013	☐ To be Mailed

ENTITY: ☒ LARGE ☐ SMALL ☐ MICRO

APPLICATION AS FILED – PART I

	(Column 1)	(Column 2)		
FOR	NUMBER FILED	NUMBER EXTRA	RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (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

		(Column 1)		(Column 2)	(Column 3)		
	08/01/2013	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
AMENDMENT	Total (37 CFR 1.16(i))	* 20	Minus	** 20	= 0	X $80 =	0
	Independent (37 CFR 1.16(h))	* 3	Minus	***3	= 0	X $420 =	0
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
						TOTAL ADD'L FEE	**0**

		(Column 1)		(Column 2)	(Column 3)		
		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
AMENDMENT	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.

LDRC
/PAMELA ROGERS/

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 NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
13/865,987	04/18/2013	2447	0.00	38285-705.301	36	3

CONFIRMATION NO. 3724

21971
WILSON, SONSINI, GOODRICH & ROSATI
650 PAGE MILL ROAD
PALO ALTO, CA 94304-1050

FILING RECEIPT

Date Mailed: 06/05/2013

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

Inventor(s)

Pierre Carion, La Jolla, CA;
Kevin Smith, San Diego, CA;

Applicant(s)

Phunware, Inc., Austin, TX

Assignment For Published Patent Application

Phunware, Inc., Austin, TX

Power of Attorney: None

Domestic Priority data as claimed by applicant

This application is a CON of 11/888,803 08/01/2007

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 - A proper **Authorization to Permit Access to Application by Participating Offices** (PTO/SB/39 or its equivalent) has been received by the USPTO.

If Required, Foreign Filing License Granted: 05/23/2013
The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 13/865,987**
Projected Publication Date: To Be Determined - pending completion of Missing Parts
Non-Publication Request: No

Early Publication Request: No
Title

Method and System for Rendering Content on a Wireless Device

Preliminary Class

709

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

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 (1-866-999-4158).

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.

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number: 13/865,987

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			N/A	280
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	600
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	720
TOTAL CLAIMS (37 CFR 1.16(i))	36 minus 20 =	* 16			OR	x 80 =	1280
INDEPENDENT CLAIMS (37 CFR 1.16(h))	3 minus 3 =	*				x 420 =	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			TOTAL	2880

APPLICATION AS AMENDED - PART II

AMENDMENT A		(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($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE($)
	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	

AMENDMENT B		(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($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE($)
	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
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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
13/865,987	04/18/2013	Pierre Carion	38285-705.301

CONFIRMATION NO. 3724

21971
WILSON, SONSINI, GOODRICH & ROSATI
650 PAGE MILL ROAD
PALO ALTO, CA 94304-1050

FORMALITIES LETTER

OC000000061531141

Date Mailed: 06/05/2013

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.
  *Applicant must submit $**280** to complete the basic filing fee for an undiscounted entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27) or make a certification of entitlement to micro entity status and pay the micro entity filing fee (37 CFR 1.29).*

The applicant needs to satisfy supplemental fees problems indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Additional claim fees of $ **1280** as an undiscounted entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.
- A surcharge (for late submission of the basic filing fee, search fee, examination fee or inventor's oath or declaration) as set forth in 37 CFR 1.16(f) of $ **140** for an undiscounted entity, must be submitted.

SUMMARY OF FEES DUE:

Total fee(s) required within **TWO MONTHS** from the date of this Notice is $ **3020** for an undiscounted entity
- $ **280** Statutory basic filing fee.
- $ **140** Surcharge.
- The application search fee has not been paid. Applicant must submit $ **600** to complete the search fee.
- The application examination fee has not been paid. Applicant must submit $ **720** to complete the examination fee for an undiscounted entity.
- Total additional claim fee(s) for this application is $ **1280**
  - $ **1280** for **16** total claims over 20.

Items Required To Avoid Processing Delays:

Applicant is notified that the above-identified application contains the deficiencies noted below. No period for reply is set forth in this notice for correction of these deficiencies. However, if a deficiency relates to the inventor's oath or declaration, the applicant must file an oath or declaration in compliance with 37 CFR 1.63, or a substitute statement in compliance with 37 CFR 1.64, executed by or with respect to each actual inventor no later than the expiration of the time period set in the "Notice of Allowability" to avoid abandonment. See 37 CFR 1.53(f).

- A properly executed inventor's oath or declaration has not been received for the following inventor(s):
  all
  Applicant may submit the inventor's oath or declaration at any time before the Notice of Allowance and Fee(s) Due, PTOL-85, is mailed.

Replies must be received in the USPTO within the set time period or must include a proper Certificate of Mailing or Transmission under 37 CFR 1.8 with a mailing or transmission date within the set time period. For more information and a suggested format, see Form PTO/SB/92 and MPEP 512.

Replies should be mailed to:

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.
https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html

For more information about EFS-Web please call the USPTO Electronic Business Center at **1-866-217-9197** or visit our website at http://www.uspto.gov/ebc.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

/nhassani/

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

PTO/AIA/15 (07-12)
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U.S. Patent and Trademark Office. U.S. DEPARTMENT OF COMMERCE
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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	38285-705.301
First Inventor	Pierre Carion
Title	A Method and System for Rendering Content on a Wireless Device
Express Mail Label No.	Electronically Filed on April 18, 2013

APPLICATION ELEMENTS

See *MPEP chapter 600 concerning utility patent application contents.*

1. ☐ **Fee Transmittal Form.** (PTO/SB/17 or equivalent)
2. ☐ **Applicant claims small entity status.** See 37 CFR 1.27.
3. ☒ **Specification.** [*Total Pages* 65] Both the claims and abstract must start on a new page *(For information on the preferred arrangement, see MPEP § 608.01(a))*
4. ☒ **Drawing(s).** *(35 U.S.C. 113)* [*Total Sheets* 9]
5. **Inventor's Oath or Declaration.** [*Total Sheets*] *(including substitute statements under 37 CFR 1.64 and assignments serving as an oath or declaration under 37 CFR 1.63(e))*
   a. ☐ Newly executed (original or copy)
   b. ☐ A copy from a prior application (37 CFR 1.63(d))
6. ☒ **Application Data Sheet.** **See Note below.* See 37 CFR 1.76 (PTO/AIA/14 or equivalent)
7. ☐ **CD-ROM or CD-R.** in duplicate, large table or Computer Program *(Appendix)*
   ☐ Landscape Table on CD
8. **Nucleotide and/or Amino Acid Sequence Submission.** *(if applicable, items a. – c. are required)*
   a. ☐ Computer Readable Form (CRF)
   b. Specification Sequence Listing on:
      i. ☐ CD-ROM or CD-R (2 copies); or
      ii. ☐ Paper
   c. ☐ Statements verifying identity of above copies

ADDRESS TO: **Commissioner for Patents**
P.O. Box 1450
Alexandria VA 22313-1450

ACCOMPANYING APPLICATION PARTS

9. ☐ **Assignment Papers.** (cover sheet & document(s))
   Name of Assignee _____
10. ☐ **37 CFR 3.73(c) Statement.** ☐ **Power of Attorney.** *(when there is an assignee)*
11. ☐ **English Translation Document.** *(if applicable)*
12. ☐ **Information Disclosure Statement.** (PTO/SB/08 or PTO-1449)
    ☐ Copies of citations attached
13. ☐ **Preliminary Amendment.**
14. ☐ **Return Receipt Postcard.** *(MPEP § 503) (Should be specifically itemized)*
15. ☐ **Certified Copy of Priority Document(s).** *(if foreign priority is claimed)*
16. ☐ **Nonpublication Request.** Under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or equivalent.
17. ☐ **Other:** _____

***Note:** (1) Benefit claims under 37 CFR 1.78 and foreign priority claims under 1.55 **must** be included in an Application Data Sheet (ADS).
(2) For applications filed under 35 U.S.C. 111, the application must contain an ADS specifying the applicant if the applicant is an assignee, person to whom the inventor is under an obligation to assign, or person who otherwise shows sufficient proprietary interest in the matter. See 37 CFR 1.46(b).

18. CORRESPONDENCE ADDRESS

☒ The address associated with Customer Number: 021971 *OR* ☐ Correspondence address below

Name					
Address					
City		State		Zip Code	
Country		Telephone		Email	

Signature	/Ali Alemozafar/	Date	April 18, 2013
Name (Print/Type)	Ali R. Alemozafar, Ph.D., Esq.	Registration No. (Attorney/Agent)	68,180

This collection of information is required by 37 CFR 1.53(b). 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.

PTO/AIA/14 (03-13)
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 contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	38285-705.301
	Application Number	
Title of Invention	A Method and System for Rendering Content on a Wireless Device	

The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76.
This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.

Secrecy Order 37 CFR 5.2

☐ Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)

Inventor Information:

Inventor 1 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Pierre		Carion	

Residence Information (Select One) ◉ US Residency ○ Non US Residency ○ Active US Military Service

City	La Jolla	State/Province	CA	Country of Residence i	US

Mailing Address of Inventor:

Address 1	8289 La Jolla Scenic Drive North		
Address 2			
City	La Jolla	**State/Province**	CA
Postal Code	92037	**Country** i	US

Inventor 2 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Kevin		Smith	

Residence Information (Select One) ◉ US Residency ○ Non US Residency ○ Active US Military Service

City	San Diego	State/Province	CA	Country of Residence i	US

Mailing Address of Inventor:

Address 1	8257 Calle Morelos		
Address 2			
City	San Diego	**State/Province**	CA
Postal Code	92126	**Country** i	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).

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	38285-705.301
	Application Number	
Title of Invention	A Method and System for Rendering Content on a Wireless Device	

☐ **An Address is being provided for the correspondence Information of this application.**			
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Attorney Docket Number	38285-705.301	**Small Entity Status Claimed**	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	9	**Suggested Figure for Publication (if any)**	

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	38285-705.301
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Title of Invention	A Method and System for Rendering Content on a Wireless Device	

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	38285-705.301
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WSGR Docket No. 38285-705.301

PATENT APPLICATION

A METHOD AND SYSTEM FOR RENDERING CONTENT ON A WIRELESS DEVICE

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Filed Electronically on: April 18, 2013

A METHOD AND SYSTEM FOR RENDERING CONTENT ON A WIRELESS DEVICE

RELATED U.S. PATENT APPLICATION

This Application is related to US Patent Application _____ filed on August 1, 2007, by Carion et al., and entitled "A SERVER METHOD AND SYSTEM FOR RENDERING CONTENT ON A WIRELESS DEVICE" with the Attorney Docket No. HOMI-P004 and assigned to the assignee of the present invention.

TECHNICAL FIELD

Embodiments of the present invention relate to the field of wireless communication systems. More particularly, embodiments of the present invention relate to a method and system for rendering applications on a wireless device.

BACKGROUND ART

The widespread and increase in popularity of wireless devices have led to an increase in the number of wireless device types in the world. For example, the use of cellular phones, personal digital assistants (PDAs), PalmPilots, BlackBerrys, laptops, IPods, etc., have become prevalent in the market. The

increase in the number of wireless devices has also increased the demand for various applications to run on various wireless devices.

The market is fractured among many manufacturers with different types of wireless devices including brands, models, generations, etc. For example, each year new manufacturers enter the market and existing manufacturers provide new models and new versions for existing wireless devices. Each wireless device is unique based on its brand, model, rendering capability, battery life, processing power, display resolution, color capability, display size, etc., collectively known as wireless device attributes.

Unfortunately, since each wireless device is unique, each application must be tailored in accordance with the wireless device attributes to fully utilize the capabilities of the wireless device. For example, to utilize the entire display of the wireless device, the application must be tailored to render the application in accordance with the display size and resolution of the wireless device.

Unfortunately, the increase in the number of applications, the types of wireless devices and the need to tailor each application to a given wireless device type has increased the cost of developing applications. With ever increasing number of models and brands of wireless devices, the number of applications and application versions required to accommodate all of these different wireless devices has increased as well. Since each application must be

specific to a given wireless device type with a given brand and model, applications are substantially developed from the ground up for each wireless device type. Unfortunately, developing applications from the ground up for each wireless device has increased the cost of developing and customizing each application to accommodate each wireless device brand and model.

Moreover, the increase in cost of developing applications due to the need to tailor each application to all the specific brands and models of wireless devices has hindered and limited the number of titles that a software vendor can produce annually. Software developers simply do not have the time or the resources to take even a single application through a customized quality assurance and debugging process, much less each application for each type of wireless device, thereby limiting the number of titles that a software vendor can produce.

Also, the task of producing all the required versions of a title is not only time consuming and laborious but it also tends to limit upgrades and patches to existing titles. In general, a wireless device runs the application locally and renders the result. Thus, updating applications requires a patch/update to be specially developed for and provided to each wireless device individually. For example, updating/patching an application may require the wireless device user to access the application provider's website via the wireless device and to navigate through multiple pages in order to determine whether an update is ready. When an update is ready, the user actively initiates the update process.

As a result, many users may not update their applications due to this laborious process.

SUMMARY

Accordingly, a need has arisen to enable software vendors to provide generic applications regardless of the wireless device type, thereby relieving software vendors from having to tailor their applications for each given wireless device type. Moreover, a need has arisen to not only relieve software vendors from tailoring their applications for a given wireless device type but to provide an output that is device specific based on the wireless device attributes where the output is generated from a generic application. Furthermore, it is advantageous to update and patch various applications without a need to access each wireless device individually. It will become apparent to those skilled in the art after reading the detailed description of the present invention that the embodiments of the present invention satisfy the above mentioned needs.

Embodiments of the present invention relieve software vendors from tailoring their applications based on each wireless device type because the server tailors the output of a generic application based on the wireless device capability. Moreover, embodiments of the present invention execute the requested application on the server. Thus providing software updates and patches for a generic application can be done by patching/updating the generic application on the server, thereby eliminating the need to update/patch each application on each wireless device.

According to one embodiment of the present invention, a wireless device includes an engine/reader. The engine/reader is operable to communicate with a server and receive a series of low level basic commands that layout content, position, etc. for rendering application content on the wireless device. The engine/reader interprets commands of a generic syntax that are device specific in their parameters.

The wireless device may also include a graphical user interface including a plurality of rendering blocks. A custom configuration may be used to customize the appearance of content generated by a requested application rendered on the rendering blocks. In other words, a custom configuration may be a set of low level instructions for preprogramming the plurality of rendering blocks to operate and look a certain way. The graphical user interface is operable for rendering basic commands received from the engine/reader and for customizing the operation and appearance of the requested application based on the custom configuration. The wireless device has software stored therein to implement the embodiments of the present invention.

In one embodiment, generic applications are provided by software vendors and are stored on a remote server. It is appreciated that these applications are not device specific. Once a wireless device in communication with the server requests an application, a message is sent via the engine/reader of the wireless device to the server. The message may include a request for a

specific application as well as information identifying the wireless device type and its capability.

In response to the message from the wireless device, the server accesses the requested application by accessing a library of applications. The library of applications contains generic applications that on one level operate regardless of the device type. The requested application is executed on the server. Moreover, the server may identify a custom configuration to be used for the requested application and the device type. The custom configuration is the theme and determines certain graphical appearances of the requested application. In other words, the custom configuration provides the "look and feel" of the content of the requested application. The server may send a message to the wireless device identifying the custom configuration to be used. If the identified custom configuration is present on the wireless device it is used locally, otherwise the identified custom configuration is downloaded from the server to the wireless device. The custom configuration is specific to the display and audio capabilities of the wireless device and is also specific to the wireless device.

The server may determine the device capabilities (e.g., rendering capability of the wireless device) based on the received identification message and by accessing a library of device profiles. The library of device profiles includes information about the specific wireless device capabilities.

During the execution of an application, the server determines whether the executed application produces dynamic or static pages. If dynamic data is produced, a template engine of the server merges dynamic data provided by a business logic unit and template screens of the requested application provided by executing the application on the server. Business logic facilitates dynamic information exchange between the application executing and the templates. Thus, the template engine provides a high level template (e.g., extensible markup language (XML) format) that includes the merged screens of the requested application and dynamic data provided by the business logic. Accordingly, the resultant output is a high level generic template or page description.

Additionally, the template engine communicates with a device profile of the wireless device and may eliminate content of the requested application that is not supported by the wireless device based on the capabilities of the wireless device. For example, if the server determines that the wireless device has no audio capability, the content related to audio may be eliminated from the template. On the other hand, if a static page is produced, the template engine is bypassed and the static page is supplied to a layout solver directly.

The layout solver of the server then tailors the template based on the device profile and device capability. In one example, the layout solver also tailors static data based on the device profile and device capability. The layout solver

translates the template and/or static page into a series of basic commands based on the device profile and device capabilities. Basic commands are written in a device independent syntax but tailored based on the wireless device capability. Accordingly, the basic commands are low level compilation operable to render objects using the plurality of rendering blocks of the wireless device. For example, basic commands may be used to layout page content of the requested application. Accordingly, the layout solver receives a generic template and/or static data of the requested application and translates it to application specific commands based on the device's capability. Basic commands are then transmitted to the wireless device for rendering.

The engine/reader of the wireless device receives the basic commands that are tailored and are specific to the wireless device based on device's attributes and capabilities. The syntax of these commands is device generic. The graphical user interface of the wireless device uses the received basic commands and the custom configuration to render the received page. Each command is typically associated with an operation to be performed by a rendering block of the wireless device and carries parameters, content, etc., for operation of that rendering block. Basic commands are used to layout content, position and etc. of the application while the custom configuration is used to customize the "look and feel" of the requested application (e.g., background color). The engine/reader may receive messages and content from the server

without further interaction by the user or it may send/receive messages in response to user interaction.

As a result, software vendors do not need to tailor their application to each wireless device. In other words, software vendors can develop a generic application because the output of the generic application is tailored based on each wireless device type using the server. Moreover, since applications and basic commands for rendering applications are performed and generated on the server, providing patches and updates can be facilitated by updating the server, thereby eliminating the need to access each wireless device individually.

BRIEF DESCRIPTION OF THE DRAWINGS

Figure 1A shows an exemplary communication system in accordance with one embodiment of the present invention including wireless clients and a remote server.

Figure 1B shows an exemplary wireless device protocol stack in accordance with one embodiment of the present invention.

Figures 2A and 2B show an exemplary communication sequence between a wireless device and a remote server in accordance with one embodiment of the present invention.

Figure 3 shows an exemplary wireless device block diagram in accordance with one embodiment of the present invention.

Figure 4 shows an exemplary received compiled page description in accordance with one embodiment of the present invention.

Figure 5 shows an exemplary remote server block diagram in accordance with one embodiment of the present invention.

Figure 6 shows an exemplary computer controlled flow diagram for rendering content on a wireless device in accordance with one embodiment of the present invention.

Figure 7 shows an exemplary computer controlled flow diagram of a server implemented method for processing data for a wireless device in accordance with one embodiment of the present invention.

DETAILED DESCRIPTION

Reference will now be made in detail to embodiments of the present invention, examples of which are illustrated in the accompanying drawings. While the invention will be described in conjunction with these embodiments, it will be understood that they are not intended to limit the invention to these embodiments. On the contrary, the invention is intended to cover alternative, modifications and equivalents, which may be included within the spirit and scope of the invention as defined by the appended claims. Furthermore, in the following detailed description of the present invention, numerous specific details are set forth in order to provide a thorough understanding of the present invention. However, it will be evident to one ordinary skill in the art that the present invention may be practiced without these specific details. In other instances, well known methods, procedures, components, and circuits have not been described in detail as not to unnecessarily obscure aspects of the invention.

NOTATION AND NOMENCLATURE

Some portions of the detailed descriptions which follow are presented in terms of procedures, steps, logic blocks, processing, and other symbolic representations of operations on data bits that can be performed on computer memory. These descriptions and representations are the means used by those skilled in the art to most effectively convey the substance of their work to others

skilled in the art. A procedure, computer executed step, logic block, process, etc., is here, and generally, conceived to be a self-consistent sequence of steps or instructions leading to a desired result. The steps are those requiring physical manipulations of physical quantities.

Usually, though not necessarily, these quantities take the form of electrical or magnetic signals capable of being stored, transferred, combined, compared, and otherwise manipulated in a computer system. It has proven convenient at times principally for reasons of common usage, to refer to these signals as bits, values, elements, symbols, characters, terms, numbers, or the like.

It should be borne in mind, however, that all of these and similar terms are to be associated with the appropriate physical quantities and are merely convenient labels applied to these quantities. Unless specifically stated otherwise as apparent from following discussions, it is appreciated that throughout the present invention, discussions utilizing terms such as "processing" or "creating" or "transferring" or "executing" or "determining" or "instructing" or "issuing" or "halting" or "clearing" or "accessing" or "aggregating" or "obtaining" or "selecting" or "initiating" or "receiving" or "analyzing" or "generating" or "constructing" or "outputting" or "collecting" or "monitoring" or "outputting" or "storing" or "sending" or "receiving" or "identifying" or using" or "rendering" or "translating" or "providing" or the like, refer to the action and processes of a computer system, or similar electronic computing device, that manipulates and transforms data represented

as physical (electronic) quantities within the computer system's registers and memories into other data similarly represented as physical quantities within the computer system memories or registers or other such information storage, transmission or display devices.

A METHOD AND SYSTEM FOR RENDERING CONTENT ON A WIRELESS DEVICE

The increase in the number of wireless devices has led to an increase in demand for different applications. However, each given application needs to be tailored to a given wireless device type based on the wireless device capability. Embodiments of the present invention relieve software vendors from tailoring their applications based on each wireless device type because the server tailors the output of a generic application based on the wireless device capability. Moreover, embodiments of the present invention execute the requested application on the server. Thus providing software updates and patches for a generic application can be done by patching/updating the generic application on the server, thereby eliminating the need to update/patch each application on each wireless device.

Referring now to Figure 1A, an exemplary communication system 100A in accordance with one embodiment of the present invention including wireless clients and a remote server is shown. In one embodiment, one or more wireless

devices 110 are coupled to a server 130 through a network 120. The wireless device 110 may be any mobile wireless electronic device, e.g., a cellular phone, a personal digital assistant (PDA), a pager, a smart phone, a BlackBerry, a laptop and the like. It is appreciated that the wireless device described herein is exemplary and is not intended to limit the scope of the present invention. Network 120 includes wireless communication capability.

According to an embodiment of the present invention, the remote server executes a generic application. It is generic in that it is not specific to any device or any set of device capabilities. The server will eventually translate the output of the application to a device specific set of commands for transmission to the device 110 for rendering. Likewise, the device 110 sends user input and other data to the remote server 130 for processing.

According to one embodiment of the present invention, a wireless device initiates a message requesting access to a given generic application stored on the server 130. It is appreciated that the wireless device in this embodiment has stored therein a software program or "client" that enables the wireless device to implement the embodiments of the present invention. This client may be downloaded to the wireless device 110 using well known conventional methods.

The server 130 in response to the received message may access the requested application that is generic regardless of the wireless device type.

However, the server 130 generates a device specific result from the generic application, thereby tailoring the output of the generic application based on the wireless device type. The result in one example is a series of basic commands, precompiled and ready for audio and video rendering by the wireless device. During application execution, page layout information is sent to the wireless device for display and audio rendering using the basic commands. Also, user input and other state information is sent from the wireless to the server in accordance with the pages of the application. As a result, software vendors no longer need to tailor their applications for each wireless device type because a generic application can be used by the server to generate a tailored result application for each wireless device type.

Moreover, since the generic application is being executed by the server 130 instead of the wireless device 110, the generic application may be patched and updated on the server 130 without a need to access each wireless device individually. Furthermore, since the application is generic, the update and patch software is likewise device generic, thereby limiting the number of versions needed.

Referring now to Figure 1B, an exemplary wireless device protocol or software stack 100B in accordance with one embodiment of the present invention is shown. In one embodiment, a wireless device may include a hardware component 102, a binary runtime for wireless device (BREW) and/or Java

platform (J2ME) J2ME/BREW 104 for instance, an abstraction layer 106, a graphical user interface 108, a configuration data 112 and a reader/engine 114. It is appreciated that in one embodiment, the graphical user interface 108, abstraction layer 106, J2ME/BREW 104 and the hardware layer 102 are device specific. In comparison, the engine/reader 114 and the configuration data 112 may be device generic in terms of the syntax they use to operate. Blocks 104 through 114 can be downloaded to the device from the server and are called "the client."

The hardware 102 may be the actual circuitry of the wireless device. For example, hardware 102 may be the processor, display components, user inputs, audio rendering devices, etc. BREW 104 is a software platform that may be used to download and run small programs for playing games, sending messages, sharing photos and the like. The main advantage of BREW platform is ease of portability of applications. J2ME 104 is a collection of JAVA application programming interfaces (APIs) for the development of software for resource constrained devices such as PDAs, cellular phones and other consumer appliances. Accordingly, BREW and/or J2ME 104 and the like are software platforms that may be used to enable download, portability of application, running small programs for various applications such as games, sending messages, sharing photos and the like. It is therefore appreciated that the use of J2ME/BREW 104 is exemplary and should not be construed as limiting the scope of the present invention.

The abstraction layer 106 may be a software component used to translate commands and enable the wireless device to implement different embodiments of the present invention. For example, the abstraction layer 106 may be used to facilitate communication between the graphical user interface 108 and the J2ME/BREW 104 layer in accordance with embodiments of the present invention.

A graphical user interface layer 108 includes a number of individual rendering blocks 108a that perform discrete rendering operations to render a received page description. The engine/reader 114 passes commands to these rendering blocks to perform the rendering of the application content. Also, the engine/reader 114 receives user input from these blocks 108a. While the rendering blocks operate in a way that is device specific, they communicate using a device generic syntax. These rendering blocks may be preconfigured to operate and store data (e.g., images, audio data, etc.) in a specific manner. This pre-configuration may set a "look and feel" for a particular application. Once preconfigured, the received page descriptions then include commands that utilize the functionality of the blocks 108a.

The wireless device using the engine/reader 114 communicates with the server 130 via a device generic syntax to read the basic commands of a page description. The engine/reader also communicates to the server. For example,

the engine/reader 114 may send a message that includes a request to access a generic application as well as the identification of the wireless device type. The engine/reader also communicates user actions and other state information to the server. In return, the engine/reader 114 may receive a compiled content from the server 130 that includes a series of basic commands for rendering the requested application. It is appreciated that the series of basic commands are written in a device independent syntax but tailored based on the wireless device rendering capability.

The engine/reader 114 may also receive updates from the requested application based on changes of the server state. For example, if a program with a ticker (e.g., stock ticker) is originally selected, then the engine/reader 114 may receive an update for the ticker periodically. It is appreciated that the engine/reader 114 may receive additional data from the graphical user interface 108 in response to a user interaction (e.g., selecting an icon) and may transmit that data to the server as an event.

The wireless device includes the configuration data 112 component. As discussed above, the configuration data may be used to customize the appearance of the requested application and represents programming and stored content of the graphical user interface 108. In other words, configuration data may be a set of low level instructions for preprogramming a plurality of rendering blocks 108a of the graphical user interface to operate and render data (e.g.,

"look") a certain way. For example, configuration data 112 may be used to customize a "submit" icon to look like an airplane flying away when pressed. The wireless device may store multiple configuration data 112 and cache new configuration data as new applications are accessed. It is appreciated that the terms configuration data and custom configuration are used interchangeably throughout this application.

According to one embodiment, configuration data 112 may include text fonts, text colors, background colors, background images, border thickness, border colors, frame colors of menus, style of menus (e.g., rounded, rectangle and etc.), styles of check boxes (square, round and etc.), images of non-selected icons, images of selected icons, graph colors, information for drawing (e.g., particular text font at a particular location, particular color at a given location, shape of a given size, image at a given point and etc.), icons to use for representing hierarchical data, colors of the bar/animation representing the progress when downloading and an animation to use when download is in progress and the like. It is appreciated that the configuration data 112 discussed above are exemplary and are not intended to limit the scope of the present invention.

The configuration data is programmed into the rendering blocks 108a. The graphical user interface 108 rendering blocks (e.g., icons) 108a render content and enable a user to interact with the requested application. For example a

"submit" icon may be one of the rendering blocks of the graphical user interface (GUI) 108 that once selected submits a form.

In one example, the rendering blocks 108a may include an edit box for entering text, static text for displaying text, an image, a pop-up menu which may appear in response to a user interaction, a drop-down menu list, tabbed menu for displaying several pages where each tab may display a text and an optional icon, sound for controlling audio (e.g., pause, rewind, stop, play and the like), video to display a video with visual control panel (e.g., pause, rewind, stop, play and the like), ticker to display horizontal scrolling text, check box/radio button to enable selection/de-selection of items, rating control for rating content (e.g., movies), poll control for displaying the current poll result, canvas for drawing objects, a tree for displaying hierarchical data, scroll bar for scrolling up/down and/or left/right, a progress bar to display download progress, a table for displaying data in a tabular form, a calendar for displaying and enabling selection/de-selection of a date and the like. It is appreciated that the rendering blocks discussed above are exemplary and are not intended to limit the scope of the present invention.

In more detail a more comprehensive list of configuration data also known as "skinnable attributes" as well as the rendering blocks and their syntax is provided below. It is appreciated that some of the attributes have "x2" suffix for having two values. A first value is selected for default value and a second value is selected when a default value is not selected.

An edit box is a rendering block for entering text (e.g., a user name, a SSN, etc.). The text may appear in clear form, or as '*' to hide the text when the user uses this edit box to enter a password. Configuration data may include:

font of the text (x2)
color of the text (x2)
background color (x2)
background image (x2)

A static text is a rendering block used to display text. Configuration data may include:

font of the text
color of the text
background color
background image

An image is a rendering block to display an image. An action may be associated to the image, e.g., in response to a user selecting the image, a request may be sent to the server. Configuration data may include:

thickness of the border of the image (x2)
color border of the image (x2)

A pop-up menu is a rendering block which appears on a given user action (e.g., by pressing the right softkey button). Configuration data may include:

color of the frame of the menu
style of the menu (rounded, rectangle, etc.)
font of the text (x2)
color of the text (x2)
background color (x2)

background image (x2)

A list is a rendering block for displaying a list of items in a list. An optional icon may be associated to each item in the list. The user can scroll this list and select an item. Configuration data include:

font of the text (x2)
color of the text (x2)
background color (x2)
background image (x2)
thickness of the border for icons
color of the border for icons

A tabbed menu is a rendering block for a wireless device to display several pages due to a small screen size. Each tab may display a text and an optional icon. Configuration data may include:

font of the text (x2)
color of the text (x2)
background color (x2)
background image (x2)
thickness of the border for icons (x2)
color of the border for icons (x2)

Sound is a rendering block for a non visual control to play sound. This rendering block may optionally include a visual control panel for allowing the user to pause/rewind/stop the sound. The control may include the identification of the sound file to play.

Video is a rendering block to display a video clip. A visual control panel associated with the video may be displayed to allow the user to pause/rewind/stop the video. The control may include the URL that the wireless device should use to stream the video clip.

Ticker is a rendering block to display a horizontally scrolling text. Configuration data may include:

thickness of the border
color of the border
font of the text
color of the text
background color
background image

Check box / radio button is a rendering block allowing the user to select/deselect an option in a screen. Configuration data may include:

check box style: square, round, etc.
color of the border
font of the text
color of the text
background color

Rating control is a rendering block that allows the user to rate content (e.g., image, video, etc.). This control may display five icons (e.g., stars, thumps up, etc.) and allow the user to select of one the icons. Configuration data may include:

thickness of the border
color of the border
image for non selected icon

image for selected icon

Poll control is a rendering block for displaying a list of selectable propositions to the user. In response to a selection, the server may send the result to the client as a bar graph to show the current result of the poll. Configuration data may include:

thickness of the border
color of the border
background color
background image
font of the text (x2)
color of the text (x2)
colors of the graph bars

Canvas is a rendering block on the screen on which the server can draw elements. The server may send drawing instruction in this canvas such as draw this text with this font at this X/Y position, draw this line with this color between x1/y1 and x2/y2, draw this rectangle at x/y/width/height, draw this image at x/y, etc. It is appreciated that there is no equivalence to the canvas rendering block in a wap browser.

Tree is a rendering block for displaying hierarchical data. Configuration data may include:

font of the text (x2)
color of the text (x2)
icons to use for the nodes of the tree

Scroll bar is a rendering block that indicates that a page can be scrolled up and down or left and right.

Progress bar is a rendering block to provide the user with feedback about the advancement of the process in downloading content. This is a useful feature for lengthy downloads since "loading animation" does not always provide sufficient information as to the advancement of the content download. For example, a process bar may indicate a percentage of advancement. Configuration data may include:

thickness of the border
color of the border
background color
background image
font of the text (x2)
color of the text (x2)
colors of the bar which indicated the progress

Table is a rendering block that may be used to display data in rows/columns. Configuration data may include:

thickness of the border
color of the border
background color
background image
font of the text (x2)
color of the text (x2)

Calendar is a rendering block for allowing the user to pick a date and/or time without the risk of entering invalid data. Configuration data may include:

thickness of the border
color of the border

background color
background image
font of the text (x2)
color of the text (x2)

The GUI 108 uses the configuration data 112 to preprogram the plurality of rendering blocks 108a to operate and look a certain way. For example, the rendering block (e.g., scroll bar) may be customized by the GUI 108 based on the configuration data (e.g., an image of a shamrock leaf during St. Patrick's day) to customize the way the rendering block looks. Accordingly, the GUI 108 may receive compiled content for the requested application that includes a series of basic commands from the engine/reader 114 for rendering a page of the requested application. It is appreciated that the series of basic commands are written in a device independent syntax whose parameters are tailored based on the wireless device capability. The GUI 108 may then render the page of the application based on the received basic commands and the customized preprogrammed plurality of rendering blocks. As a result, the appearance of the received the page of the application and the plurality of rendering blocks are customized based on the configuration data.

Referring now to Figures 2A and 2B, an exemplary communication sequence 200A and 200B between a wireless device 210 and a remote server 230 in accordance with one embodiment of the present invention is shown. At step 212 the client 210 sends a message to the server 230 identifying the wireless device type and its capabilities along with a request to access an

application on the server. It is appreciated that the application is generic and independent of the wireless device type. The request from the client may also be a request to gain access to a specific resource (e.g., an image, sound, etc.). The response from the server may include the requested resource that may further include the version number which may be cached by the client.

In one embodiment, the wireless device type and its capabilities may include the brand, the model and the version number and may include some device capability information such as the screen size, the amount of memory, permanent storage capabilities, the color resolution, the image format, the list of java specification request (JSR) such as video, global positioning system (GPS) capabilities, access to address book, capability to initiate a call, short messaging system (SMS), multimedia messaging service (MMS) and the like. It is appreciated that the list of wireless device type provided herein is exemplary and should not be construed as limiting the scope of the present invention.

In one embodiment, the message from the client 210 may identify the version number of the "client." If the version number is too old or if the user requests a feature that is not available for the current version of the "client", the server may send an update "client" message to the user to notify the user of the user that a new version of the "client" is required. Moreover, the server may provide instructions on how to update the "client." The URL may be sent to the client 210 such that the browser could be launched by the user. Accordingly, the

user can download the new version of the "client" without having to navigate through multiple web pages.

The message 212 may include:

request for a desired "application"
the version number of the client
the screen size
the amount of memory on the wireless device
the client's storage capabilities (size of the available permanent storage)
the number of colors supported by the client
the supported image format
the list of supported JSR. A JSR may be an optional API, not required by the J2ME specification, that the client may support. JSR may include video, GPS capabilities, access to the address book, capability to initiate a phone call/send a SMS/ send a MMS from the application, etc.

In response to the message 212, the server 230 identifies the requested application and its corresponding custom configuration to be used by the client 210. At step 214, the server 230 sends a message to the client 210 identifying the corresponding custom configuration.

In one embodiment, the message identifying the custom configuration may indicate a version of the custom configuration selected for use with the requested application. The message communicated at step 214 may include:

the configuration data commonly known as skin version number for the requested application
the version number of the loading animation
the page identification and version number of the first page to display

The client may cache data in its permanent memory. As a result, the client may request for the resources it needs by checking the status of its cache. For example, if a given resource for the requested application is not available in its cache or is stored with a different version number, then the client may request the identified resource from the server. Therefore, in response to receiving the message identifying the custom configuration, the client 210 determines whether the custom configuration has been previously stored in its cache. If the client 210 determines that the custom configuration is already present, the client 210 may further determine whether the stored information is the latest version. According to one embodiment, if the client 210 is unable to locate the identified custom configuration or its latest version, then it may send a request 216 to download the identified information (e.g., custom configuration) from the server 230.

It is appreciated that the request 216 is not necessarily limited to the custom configuration and may be extended to any information. For example, the request from the client 210 may include a request for an image, an audio sound, a loading animation that is displayed on the wireless device during download showing the download progress (e.g., download 57% complete) and the like. Other requests may include a request for a loading animation or a request to download a first page of the application.

It is appreciated that the server 230 in response to a request from the client 210 may send the requested content to the client 210. For example, the

server 230 may send a custom configuration description, an application, a loading animation description that may be a static text, a static image, an animated image and the like. For static text, the content of the text may be provided, for a static image the identification of the image and its version number may be provided and for an animated image the identification of the image, the number of frames and the delay between frames may be provided. It is appreciated that the server in response to the request from the client sends the version number of the requested resource, which may be cached by the client.

It is appreciated that any image regardless of the context (e.g., configuration data, loading animation, etc.) may be identified by its identification number and its corresponding version number. In one embodiment, the client may store as many images as it can in a LRU (least recently used) cache to avoid wasting bandwidth in asking for images. Each time an image is sent from the server, the version number may be changed to clear the image in client's cache and ask the server for a new one.

It is further appreciated that similar caching mechanism may be used for other resources such as configuration data, the pages and the sound files. In one embodiment, the client may implement the optimal caching strategy (e.g., for low-end handsets, the cache will be very limited and the client will try to cache in order of priority such as the configuration data, the loading animation, images, etc.). It is also appreciated that a server may send a message to the client requesting the client to change or adopt a new caching strategy.

In this example, at step 218, the server 230 in response to the request from the client 210 sends the custom configuration to the client 210. The client 210 in one embodiment, caches the downloaded custom configuration such that it can be retrieved at a later time. The custom configuration may include a list of default values including default font, default color, default border color, default border thickness, default background color, default image, default menu style, default image for selected/non-selected icons and the like. The custom configuration may also include a list of optional values such as default font for edit zone, default font for ticker, default background color for static text (e.g., article) and the like where each optional value may be identified by an identification number. It is appreciated that the list provided herein regarding the custom configuration is exemplary and is not intended to limit the scope of the present invention.

At step 219, the device requests the first page of the application. At step 220, the server 230 sends the requested application content (e.g., the first page of the requested application). According to one embodiment, the requested application content is received as compiled content that includes a series of basic commands representing a page description. Basic commands are precompiled by the server 230 and ready for rendering by the client 210. It is appreciated that basic commands are written in a syntax that is device generic regardless of the device type but whose parameters are tailored based on the wireless device

capabilities. As such, precompiled basic commands are discrete low level rendering commands tailored based on the rendering capability of the client 210.

In one example, a page description contains basic commands that may include a description of the scrolling area (e.g., starting and ending vertical positions), the horizontal and vertical coordinates, the width, the height, the type of component to be displayed (e.g., text, image, video, audio and the like), the unique identification of the rendering block to be used to render the component, related parameters for the rendering block and for display components (e.g., version number of the image) and the like. As a result, the client 210 may draw the screen according to the description as specified by the received discrete low level basic commands and in accordance with the identified custom configuration.

The client 210 according to one embodiment caches the downloaded compiled content such that it can be retrieved at a later time. For example, when a client is surfing the Internet, it may cache the displayed page such that the client can browse back without having to download the page again.

According to one embodiment, when content is received by the client 210 from the server 230, the older version of the content may be cleared from the cached memory in order to save space. For example, when a new version of a custom configuration is downloaded the older version may be cleared to free up

memory space and the new one may be cached instead. In some embodiments, the client 210 may prioritize caching to achieve an optimal caching strategy, particularly for memory constraint wireless devices. According to one embodiment, the caching strategy of the client 210 may be modified by the server 230. It is appreciated that when enough memory space is available, the client 210 may store as much content as possible (e.g., custom configuration, animation download and the like) to avoid wasting bandwidth by repeatedly having to download them at a later time.

It is appreciated that steps 218 and 220 are shown as separate downloads, however, separate downloads for application content and the determined custom configuration are exemplary and should not be construed as limiting the scope of the present invention. Accordingly, the custom configuration and application content may be downloaded simultaneously. Moreover, it is appreciated that additional information (e.g., loading animation) may be downloaded separately or simultaneously with custom configuration and/or application. It is appreciated that the client 210 at step 222 may optionally send an acknowledgement message to the server 230 indicating successful receipt of the requested information.

At step 224, update (e.g., a new page) for the application may be pushed by the server 230 to the client 210 without user interaction. Pushed contents may be referred to as asynchronous messages that are sent by the server without

user interaction that are triggered by a specific on the server side. For example, if the requested application has a ticker for displaying scrolling text (e.g., stock update) then as soon as an update is available the new text may be pushed to the client 210 to update the ticker. These asynchronous messages are not possible for wap application in a browser because using wap browser the only possible solution is to cyclically poll the server to determine whether new material is ready. As a result, wap wastes bandwidth and is not suitable for real-time notification such as SMS messaging.

In one example, at step 226 of Figure 2B, the client 210 may initiate an action/command. An action may include a command that controls an edit box, controlling buttons, selection/de-selection of a check box or controlling a menu that when activated triggers an action, etc. An action may be described by page identification and some parameters to reflect the action of the user (e.g., the identification of the triggering control, the content of the edit zones, the selected item, etc.). For example, the client 210 may be in the process of filling out a form and the initiated command may be selecting the "submit" button to submit the completed form. As a result of the user interaction, at step 228 the server may send a new page to the client 210. For example, the new page may be a confirmation number and an indication that the submitted form was properly received.

It is appreciated that user interaction 232 may result in new page to be displayed at step 234. It is also appreciated that at step 236, a new page (e.g., asynchronous message) may be sent from the server 230 without an action by the client 210. For example, the client 210 may be reading news on the Internet using the wireless device. When breaking news occurs, the update may be pushed to the client 210, updating the page. In another example, the client 210 may be involved in SMS messaging and once a new message is ready, the message may be pushed as a new page by the server 230. For example, pushing a message from the server 230 to the client 210 may include an error message that something has happened on the server (e.g., server will be in maintenance and the user should disconnect and check back in a few minutes).

In one embodiment, the server 230 may push a message to the client 210 to clear pages history. During the user navigation, the client may keep the path history of the user such that the user can press the "back" key to go to the previous screen without requesting for the page to be downloaded again. Storing the path history is convenient because it allows a smooth user experience but it may require a large amount of memory on a wireless device. Accordingly, the server message may be used to notify that some pages in history can be safely cleaned up. In one example, this mechanism may be activated during a quality assurance when "out of memory" issues are detected and a message to clear pages history to ensure that memory is always available.

Similarly, a message from the server 230 to the client 210 to clear cache may be used to cleanup some resources in the cache in order to free up space in the memory. Moreover, a message may be sent from the server 230 to the client 210 to obtain client's status information that may be used for debugging purpose and the like. Obtaining client's status may be used to collect dynamic information about the wireless device at any given time to detect potential problems. As a result of receiving the status information, the client 210 may send a message providing status information for its cache, the history of pages, the amount of available memory, etc.

Referring now to Figure 3, an exemplary wireless device block diagram 300 in accordance with one embodiment of the present invention is shown. The wireless device 300 may implement the process for facilitating communication between the wireless device and the server as shown in Figures 1A-2B and includes a bus 302 or other communication mechanism for communicating information, and a processor 360 coupled with bus 302 for processing information.

Wireless device 300 also includes a volatile memory 310, such as a random access memory (RAM) or other dynamic storage device, coupled to bus 302 for storing information and instructions to be executed by processor 360. Volatile memory 310 also may be used for storing temporary variables or other

intermediate information during execution of instructions to be executed by processor 360.

Wireless device 300 further includes a non-volatile memory 320 such as read only memory (ROM) or other static storage device coupled to bus 302 for storing static information and instructions for processor 360. A non-volatile storage device 320, such as a magnetic disk or flash memory, is provided and coupled to bus 302 for storing information and instructions and may store the persistent internal queue. According to one embodiment, the instructions for implementing the virtual device may be stored on any one of the memory components (e.g., RAM, ROM, non-volatile storage device and etc.). Wireless device 300 may be coupled via bus 302 to a display 350, such as liquid crystal display (LCD), for displaying information on the wireless device.

The term "computer-readable medium" as used herein refers to any medium that participates in providing instructions to processor 360 for execution. Such a medium may take many forms, including but not limited to, non-volatile media, volatile media, and transmission media. Non-volatile media includes, for example, optical or magnetic disks or the like. Volatile media includes dynamic memory and the like.

The wireless device 300 further includes a transceiver 330 for facilitating wireless communication with a remote server. The transceiver 330 may receive a

series of basic commands from a remote server that may be used to render application and/or content on the display 350.

In one embodiment, the wireless device 300 further includes button inputs 340 e.g., a keyboard, for facilitating user interaction. For example, button inputs 340 may be used to navigate a website, enter email addresses, enter telephone numbers and the like. It is appreciated that button inputs 340 may be soft key buttons, a plurality of mechanical buttons, a rotating input component, a sliding input component, a voice activation component and the like.

The wireless device 300 may further include a microphone 380 for facilitating voice and audio input. The wireless device 300 may also include a speaker 370 for outputting audio. For example, the speaker 370 may be used to output a sound file such as mp3 or output voice outputs.

Referring now to Figure 4, an exemplary received compiled page description 400 in accordance with one embodiment of the present invention is shown. The compiled page description includes a series of basic commands. Each basic command may describe a given component on the page of the requested application to be rendered and includes a rendering block to be used. For example, a basic command 410 may be a description for rendering an image whereas a basic command 430 may be the description for rendering a video clip.

Accordingly, a collection of basic commands 410, 430 and 490 forms a single unified page to be rendered by the wireless device.

Basic commands are received from a remote server. The plurality of basic commands may be used by the wireless device to render application content (e.g., pages of the requested application) on the wireless device. For example, basic command 410 may include descriptions for rendering an image by specifying the Cartesian coordinates 412 and 414 of a screen region. Moreover, basic command 410 may further include the width 416 and the height 418 of the screen region to include image.

It is appreciated that the Cartesian coordinates 412 and 414 fields and the width 416 and height 418 fields may be the absolute coordinates and size of the renderable component on a given page of a requested application. However, it is appreciated that these fields may also include relative size and location of a given component for a given page of the application to be rendered.

In one embodiment, the object or renderable component may be identified by an object identifier 420 field. For example, the renderable object may be identified as an image. The image in one example may include an identification number 422 to identify the unique image that reflects the most recent image. The command also identifies the render block that is used to render the object.

It is appreciated that the basic command 410 may further include an identification of a rendering block 424. As a result, the rendering block 424 for providing user interaction may be identified. It is appreciated that basic commands may further include other field components for additional information e.g., immediate data, such as text. Thus it is appreciated that the fields described herein are exemplary and are not intended to limit the scope of the present invention.

Referring now to Figure 5, an exemplary remote server block diagram 500 in accordance with one embodiment of the present invention is shown. A client 510 is in communication with a remote server 590. As discussed above, the client 510 may initially send a message to the remote server 590 to request an application as well as identify the client's 510 type and its capabilities. A decoding system 520 of the server 590 receives the message from the client 510.

The decoding system 520 in response to the received message may access a library of applications 530 in order to locate and execute the requested application (e.g., Texas Holdem Poker, Internet and the like). It is appreciated that applications stored in the library of applications 530 are generic regardless of the device type. The requested application is then executed on the server 590. An application is defined by an application description file and a set of static resources, e.g., images, sounds, URLs, etc. The application description file

describes all the screens of the application and the custom configuration of the application.

The decoding system 520 may also access a library of custom configuration data 540, where each application may have a corresponding custom configuration data to customize the appearance of the application. In response to the received message and after identifying the proper custom configuration, the decoding system 520 sends a message to the client 510 identifying the custom configuration data. In one embodiment, if the client 510 does not have the identified custom configuration, it may request it and the decoding system 520 may send the identified custom configuration to the client 510.

During application execution, pages are generated for display on the wireless device. During a page generation, the server determines whether the requested application generates static or dynamic data. For static applications such as viewing pictures or for pure text, the decoding system 520 may send a static page to a layout solver 580 described below. On the other hand for dynamic pages such as real-time data, the server 590 inserts the dynamic data into a generic template and alters the resultant template based on the client profile.

More specifically, for dynamic data, the decoding system 520 communicates a page of the application to a template engine 550. The page is generic template describing the screen in a high level language, e.g., XML. The template engine 550 generates a dynamic page template by merging dynamic data with the generic template. The template engine 550 may be coupled to business logic 570 that computes dynamic data according to application execution. The business logic 570 may use model-view-controller architecture such that the user interface does not affect data handling and such that the data can be re-organized without changing the user interface. The request through the user interface of the wireless device results in an action in the business logic unit 570.

The business logic 570 may supply dynamic data to the template engine 550 for incorporation into a generic template. The template engine 550 according to one embodiment merges dynamic data provided by business logic 570 and generates screens of the requested application executed by the server to form a generic template. Thus, the template engine 550 provides a high level template (e.g., extensible markup language (XML) format) that includes the merged screens of application and dynamic data provided by the business logic 570.

According to one embodiment, the template engine 550 is also coupled to a library of device profiles 560. The library of device profiles 560 may include information on device capabilities. For example, the library of device profiles 560

may include information on the screen size, screen resolution, color resolution and the like. The server determines the client's 510 capabilities by accessing the library of device profiles 560 and based on the received message from the client 510 identifying itself (e.g., brand, model, memory size and the like).

As a result, the template engine 550 may eliminate content from its dynamic template output that is not supported by the client 510. For example, if the application includes an audio component but the client 510 does not have audio capability, then the template engine 550 may eliminate audio component from the generic template output. In another example, when the client 510 is short in memory, the template engine 550 may eliminate big images. Thus, a dynamic and high level template that includes data supported by the client 510 is generated. The dynamic template output from the template engine 550 may be in a high level language, e.g., XML.

The generic template supplied from 530 and the dynamic template supplied from 550 do not contain any specific or actual screen dimensions but rather only contain relative screen locations. At this stage, the templates are not very device specific regarding screen sizes, dimensions, etc.

The template engine 550 sends the high level and dynamic template to the layout solver 580. The layout solver 580 may also receive static page descriptions from the decoding system 520. In response to receiving the high

level and dynamic template and/or static pages, the layout solver 580 translates the received information into a series of basic commands based on the client's capabilities.

The layout solver 580 may access the library of device profiles 560 to determine client's capabilities. The layout solver 580 may use the client's capabilities to tailor the received information (e.g., static application and/or dynamic application) based on the requesting client's 510 capability.

It is appreciated that basic commands may be low level compilation operable to render application content on the client 510 using the rendering blocks of the wireless device. For example, basic commands may layout page content for the requested application. Accordingly, the layout solver 580 receives a dynamic template from the template engine 550 and/or receives a static page from the decoding system 520 and translates it to device specific commands based on the client's capability.

It is appreciated that the specific commands based on the client's capability are written in a syntax that is device generic regardless of the wireless device type. However, the parameters of the basic commands are tailored based on the wireless device capabilities. The basic commands are then transmitted to the client 510 for rendering. In one embodiment, the basic commands are the compiled page description 400 as described in Figure 4.

In one embodiment, the client 510 may initiate a further action by making a selection (e.g., selecting a selectable icon, sending SMS message and the like). The server 590 may receive the initiation of a command from the client 510 and cause an application (e.g., a new application or the requested application) to execute accordingly or provide an update. In one embodiment, the server 590 may automatically provide an update and push content to the client 510 without user involvement (e.g., when SMS message is ready for the client 510, when a stock update is ready in a ticker and the like).

Different blocks have been described as separate units. However, it is appreciated that each functional unit described herein may be integrated as a single working unit. As such, depiction of functional units as separate units is exemplary and should not be construed as limiting the scope of the present invention.

Referring now to Figure 6, an exemplary computer controlled flow diagram 600 for rendering content on a wireless device in accordance with one embodiment of the present invention is shown. At step 610, the wireless device may send a message to a remote server requesting an application as well as identifying itself and its capability (e.g., screen size, screen resolution and the like). At step 620, the wireless device receives a message from the server identifying a custom configuration to be used to pre-configure a plurality of

rendering blocks of the wireless device. The custom configuration customizes the look and feel of the content displayed on the wireless device from execution of the requested application.

According to one embodiment, the wireless device may store multiple custom configurations. As a result, when the custom configuration to be used is identified by the server, the wireless device may determine whether the custom configuration is present on the wireless device. If the custom configuration is not present, the wireless device at step 630 requests a download of the custom configuration from the server. According to one embodiment, the downloaded custom configuration may be cached by the wireless device for later use to conserve bandwidth. It is appreciated that steps 610-630 are for setup purposes and may not be necessary upon subsequent action by the user or the server when an application is being executed.

At step 640, the wireless device receives compiled content generated in part from execution of the requested application by the server. It is appreciated that the compiled content may include basic commands that are expressed in a syntax that is generic to the wireless device but where the parameters of the basic commands are based on the wireless device capability.

At step 650, the wireless device uses a graphical user interface to generate renderable content based on the received compiled content and the

custom configuration. In one embodiment, content is rendered by processing the compiled content using the reader and by issuing commands from the reader to rendering blocks of the graphical user interface based on the rendering commands of the compiled content. Accordingly, at step 660, the content is rendered by the wireless device.

It is appreciated that in response to rendering content, a user of the wireless device may initiate an action (e.g., by selecting an icon) that may further cause a message to be sent to the server. The server in response to a user interaction may compile additional content and send the additional compiled content to the wireless device. It is appreciated that since the setup for the requested application has been completed, steps 610-630 may be eliminated during user interaction with the rendered application. It is further appreciated that the server may automatically and without initiation of an action by the user push additional e.g., updated compiled content to the wireless device. For example, in an SMS application, a message may be ready for the wireless device. The server may send the message to the wireless device without initiation by the user.

Referring now to Figure 7, an exemplary computer controlled flow diagram 700 of a server implemented method for processing data for a wireless device in accordance with one embodiment of the present invention is shown. At step 710, the server may receive a message from a client requesting execution of an application and identifying the client and the client's capability. In response to

receiving the message, at step 720 the server may locate the requested application as well as the corresponding custom configuration for the requested application by accessing a library of applications and a library of configuration data respectively. It is appreciated that applications in the library of applications are device generic.

At step 730, the server may send a message to the client identifying the corresponding custom configuration to use for the requested application. If the client requests a download of the custom configuration, at step 740 the server may send the custom configuration to the client. At this stage, the setup for executing an application is complete.

At step 750, the server may execute the requested application. The server may then determine whether the executed application produces dynamic or static content. If the content produced is dynamic, at step 760 the server uses a template engine to generate a generic template that contains dynamic data. In one embodiment, the template generated may be in compliance with extensible markup language (XML) and the like.

According to one embodiment, the template engine eliminates content produced that are not supported by the wireless device. For example, the template engine may use a library of device profiles and the identified device capability from the wireless device to determine the capability of the wireless

device. As a result, content that is not supported by the wireless device may be eliminated.

At step 770, the layout solver receives either static data or dynamic data. In either case, the layout solver uses the device profile to tailor and translate or compile the received data into commands of a generic syntax whose parameters are tailored based on the capability of the wireless device. For example, the layout solver may determine the content layout on a given page of the requested application by providing the coordinates, size, object identifier, object identification and the like. The generated basic commands are discrete low level commands operable to render content on the wireless device. Thus, basic commands are generated in a syntax that is generic to the wireless device but are application specific based on the wireless device capability.

At step 780, the discrete low level basic commands may be transmitted to the client for rendering. It is appreciated that in response to a user interaction received, the server may produce and compile additional content. According to one example, the server may produce additional content without involvement by the wireless device user (e.g., when a message in SMS messaging is ready for the wireless device). It is appreciated that since the setup for the requested application and its corresponding custom configuration is complete, execution of additional content may be performed without execution of steps 710-740.

Accordingly, applications can be developed in a generic manner regardless of the device type. Developing generic applications regardless of the wireless device type is in part possible because the server may be used to operate on a generic application and tailor the result of executing a generic application based on a wireless device capability. As a result, software vendors are relieved from tailoring their application to each wireless device. In other words, software vendors can develop a generic application because the output of the generic application can be tailored based on each wireless device type by the server. Moreover, since applications and basic commands for rendering applications are performed on the server, providing patches and updates can be facilitated by updating the server, thereby eliminating the need to access each wireless device individually.

In the foregoing specification, embodiments of the invention have been described with reference to numerous specific details that may vary from implementation to implementation. Thus, the sole and exclusive indicator of what is, and is intended by the applicants to be, the invention is the set of claims that issue from this application, in the specific form in which such claims issue, including any subsequent correction. Hence, no limitation, element, property, feature, advantage or attribute that is not expressly recited in a claim should limit the scope of such claim in any way. The specification and drawings are, accordingly, to be regarded in an illustrative rather than a restrictive sense.

CLAIMS

What is claimed is:

1. A method of rendering content on a wireless device, said method comprising:

receiving an identification of a custom configuration of a plurality of rendering blocks of said wireless device, wherein said custom configuration is associated with an application and configures said plurality of rendering blocks to render content in a manner customized to said application;

receiving compiled content generated in part from execution of said application wherein said compiled content comprises render commands expressed in a syntax that is generic to said wireless device;

using a graphical user interface comprising said plurality of rendering blocks to generate renderable content based on said compiled content and said custom configuration; and

rendering said renderable content on said wireless device.

2. A method as described in Claim 1 wherein said using a graphical user interface comprising said plurality of rendering blocks to generate renderable content comprises:

processing said compiled content using a reader of said wireless device; and

issuing commands from said reader to individual rendering blocks of said graphical user interface based on said rendering commands of said compiled content.

3. A method as described in Claim 1 wherein said renderable content comprises audio content and display content.

4. A method as described in Claim 1 wherein said compiled content is partially resultant from said application operating on a remote server.

5. A method as described in Claim 1 wherein said compiled content is specific to the rendering capabilities of said wireless device.

6. A method as described in Claim 1 wherein each of said plurality of rendering blocks operates specific to a wireless device type of said wireless device and each is instructed using a syntax that is generic to said wireless device type.

7. A method as described in Claim 6 wherein said custom configuration comprises a syntax that is generic regarding said wireless device type.

8. A method as described in Claim 1 wherein said custom configuration comprises configuration information and content specific to said application.

9. A method as described in Claim 1 wherein said receiving compiled content comprises:

receiving first compiled content specific to a first page of said application; and

receiving second compiled content specific to a second page of said application, wherein said custom configuration is applicable to both said first and second compiled content.

10. A method as described in Claim 1 wherein said custom configuration is one of a plurality of memory-stored custom configurations stored by said wireless device and wherein further said identifying said custom configuration comprises receiving an identifier that identifies said custom configuration.

11. A method as described in Claim 1 further comprising receiving and storing said custom configuration.

12. A method as described in Claim 1 wherein said plurality of rendering blocks of said graphical user interface comprises:

a first block that controls the rendering of ticker information across a display screen of said wireless device;

a second block that controls the rendering of button images on said display screen; and

a third block that controls the rendering of audio on a speaker of said wireless device.

13. A computer readable media comprising instructions therein that when executed by a processor implement a method of rendering content on a wireless device, said method comprising:

receiving an identification of a custom configuration of a plurality of rendering blocks of said wireless device, wherein said custom configuration is associated with an application and configures said plurality of rendering blocks to render content in a manner customized to said application;

receiving compiled content generated in part from execution of said application wherein said compiled content comprises render commands expressed in a syntax that is generic to said wireless device;

using a graphical user interface comprising said plurality of rendering blocks to generate renderable content based on said compiled content and said custom configuration; and

rendering said renderable content on said wireless device.

14. A computer readable media as described in Claim 13 wherein said using a graphical user interface comprising said plurality of rendering blocks to generate renderable content comprises:

processing said compiled content using a reader of said wireless device; and

issuing commands from said reader to individual rendering blocks of said graphical user interface based on said rendering commands of said compiled content.

15. A computer readable media as described in Claim 13 wherein said renderable content comprises audio content and display content.

16. A computer readable media as described in Claim 13 wherein said compiled content is partially resultant from said application operating on a remote server.

17. A computer readable media as described in Claim 13 wherein said compiled content is specific to the rendering capabilities of said wireless device.

18. A computer readable media as described in Claim 13 wherein each of said plurality of rendering blocks operates specific to a wireless device type of

said wireless device and each is instructed using a syntax that is generic to said wireless device type.

19. A computer readable media as described in Claim 18 wherein said custom configuration comprises a syntax that is generic regarding said wireless device type.

20. A computer readable media as described in Claim 13 wherein said custom configuration comprises configuration information and content specific to said application.

21. A computer readable media as described in Claim 13 wherein said receiving compiled content comprises:

receiving first compiled content specific to a first page of said application; and

receiving second compiled content specific to a second page of said application, wherein said custom configuration is applicable to both said first and second compiled content.

22. A computer readable media as described in Claim 13 wherein said custom configuration is one of a plurality of memory-stored custom configurations stored by said wireless device and wherein further said identifying said custom

configuration comprises receiving an identifier that identifies said custom configuration.

23. A computer readable media as described in Claim 13 wherein said method further comprises receiving and storing said custom configuration.

24. A computer readable media as described in Claim 13 wherein said plurality of rendering blocks of said graphical user interface comprises:

a first block that controls the rendering of ticker information across a display screen of said wireless device;

a second block that controls the rendering of button images on said display screen; and

a third block that controls the rendering of audio on a speaker of said wireless device.

25. A wireless device operable to communicate with a remote server, said wireless device comprising:

a transceiver coupled to said bus and operable to receive a custom configuration that is associated with an application, said transceiver also operable to receive compiled content generated in part from execution of said application and comprising a plurality of rendering commands expressed in a syntax that is generic to said wireless device;

a memory coupled to said bus and operable to store said compiled content and said custom configuration;

a processor coupled to said bus and operable to implement the following:

a graphical user interface comprising a plurality of rendering blocks and operable to generate renderable content based on said compiled content and said custom configuration wherein said custom configuration is operable to configure said plurality of rendering blocks to render content in a manner customized to said application; and

an engine for reading said compiled content and responsive thereto for causing said graphical user interface to generate said renderable content based on said render commands; and

a display device coupled to said bus and operable to render a portion of said renderable content.

26. The wireless device as described in Claim 25 wherein said engine is further operable to issue commands to individual rendering blocks of said graphical user interface based on said plurality of rendering commands of said compiled content.

27. The wireless device as described in Claim 25 further comprising an audio rendering device coupled to said bus and wherein said renderable content comprises audio content and display content.

28. The wireless device as described in Claim 25 wherein said compiled content is partially resultant from said application operating on a remote server.

29. The wireless device as described in Claim 25 wherein said compiled content is specific to the rendering capabilities of said wireless device.

30. The wireless device as described in Claim 25 wherein each of said plurality of rendering blocks operates specific to a wireless device type of said wireless device and each is instructed using a syntax that is generic to said wireless device type.

31. The wireless device as described in Claim 30 wherein said custom configuration is expressed in a syntax that is generic to said wireless device type.

32. The wireless device as described in Claim 25 wherein said custom configuration comprises configuration information and content specific to said application.

33. The wireless device as described in Claim 25 wherein said compiled content comprises:

a first compiled content specific to a first page of said application; and

a second compiled content specific to a second page of said application, wherein said custom configuration is applicable to both said first and second compiled content.

34. The wireless device as described in Claim 25 wherein said custom configuration is one of a plurality of memory-stored custom configurations stored in said memory.

35. The wireless device as described in Claim 25 wherein said plurality of rendering blocks of said graphical user interface comprises:

a first block that controls the rendering of ticker information across said display screen of said wireless device;

a second block that controls the rendering of button images on said display screen; and

a third block that controls the rendering of audio on a speaker of said wireless device.

36. The wireless device as described in Claim 25 wherein said plurality of rendering blocks of said graphical user interface comprises:

a first block that controls the rendering of a scroll bar on said display screen of said wireless device;

a second block that controls the rendering of an input box on said display screen of said wireless device; and

a third block that control the rendering of a text display region on said display screen of said wireless device.

ABSTRACT

A method of rendering content on a wireless device. The wireless device sends a message to a server requesting an application and identifies itself with its rendering capabilities. The wireless receives an identification of a custom configuration of a plurality of rendering blocks of the wireless device associated with the application. The custom configuration configures the plurality of rendering blocks of the device. The wireless device receives compiled content from the application executing on the server that includes render commands expressed in a syntax that is device generic but has parameters specific to the rendering capabilities of the wireless device. A reader of the wireless device processes the compiled content and issues commands to individual rendering blocks of a graphical user interface based on the rendering commands of the compiled content and based on the custom configuration.

100A

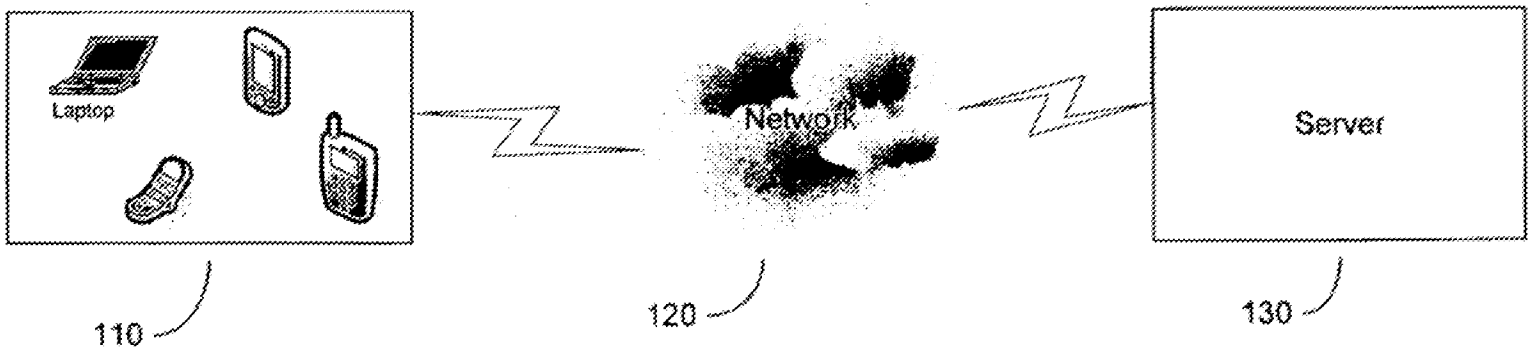
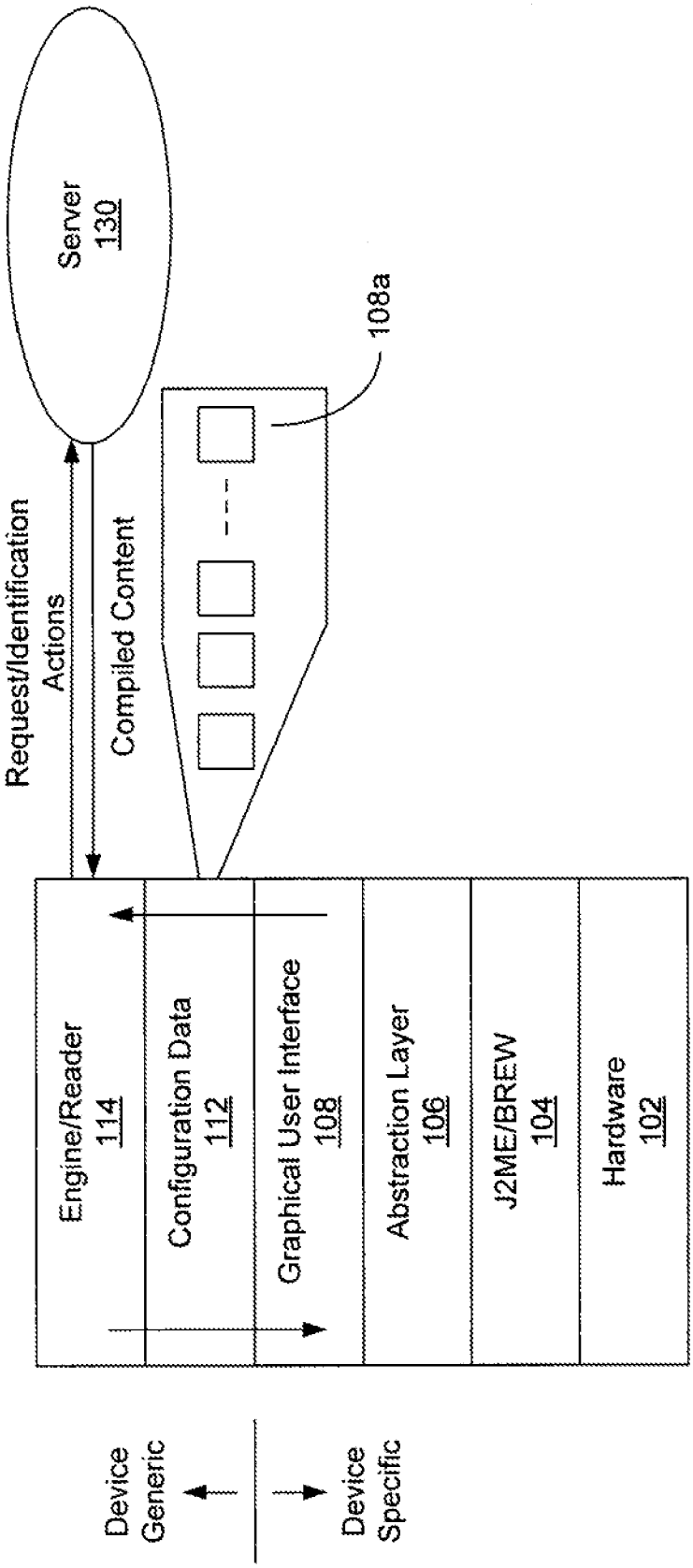


FIGURE 1A

212

SHEET 1 OF 8



100B

FIGURE 1B

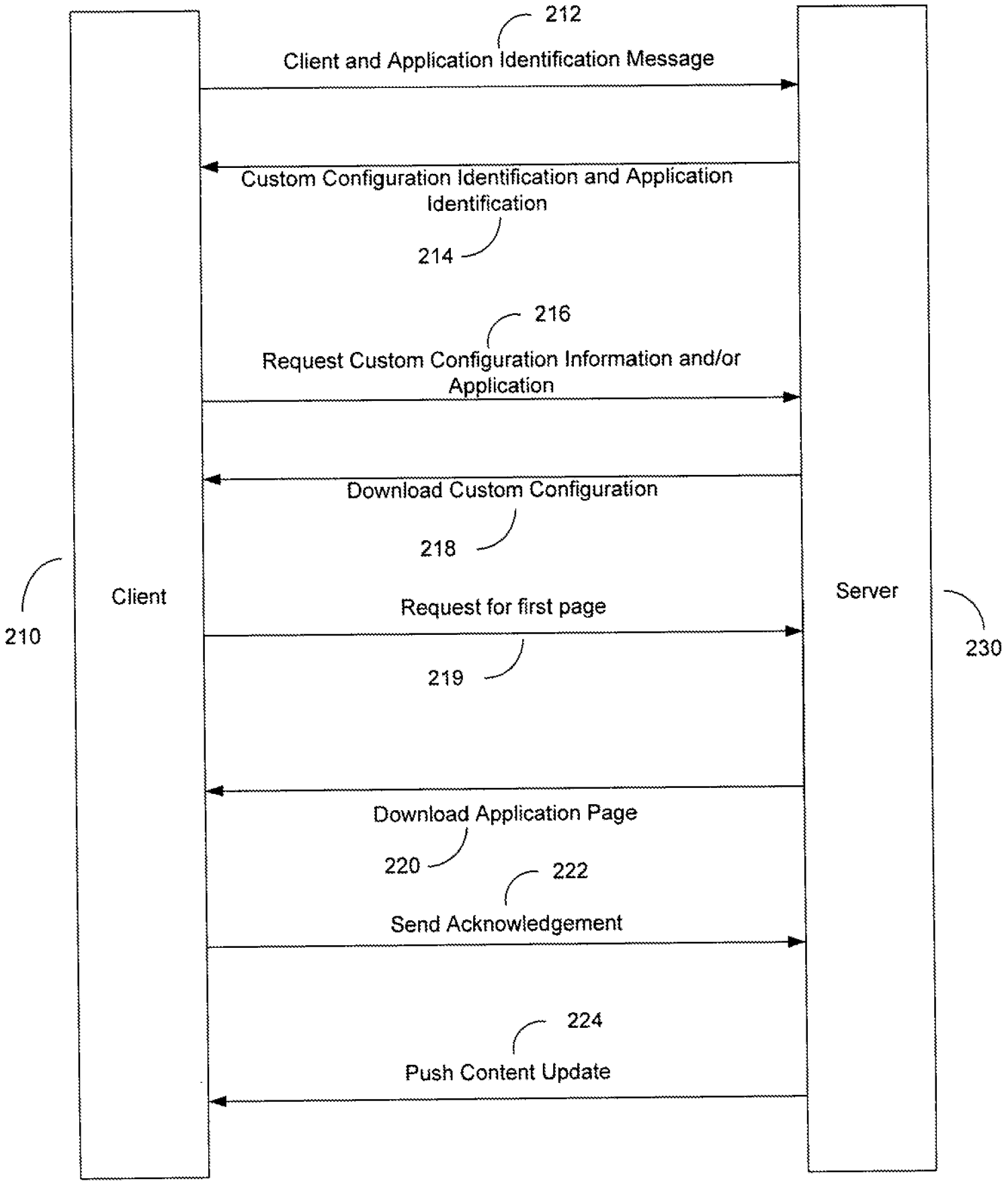

212
Client and Application Identification Message
Custom Configuration Identification and Application Identification
214
216
Request Custom Configuration Information and/or Application
Download Custom Configuration
218
Client
210
Request for first page
219
Server
230
Download Application Page
220
222
Send Acknowledgement
224
Push Content Update

FIGURE 2A

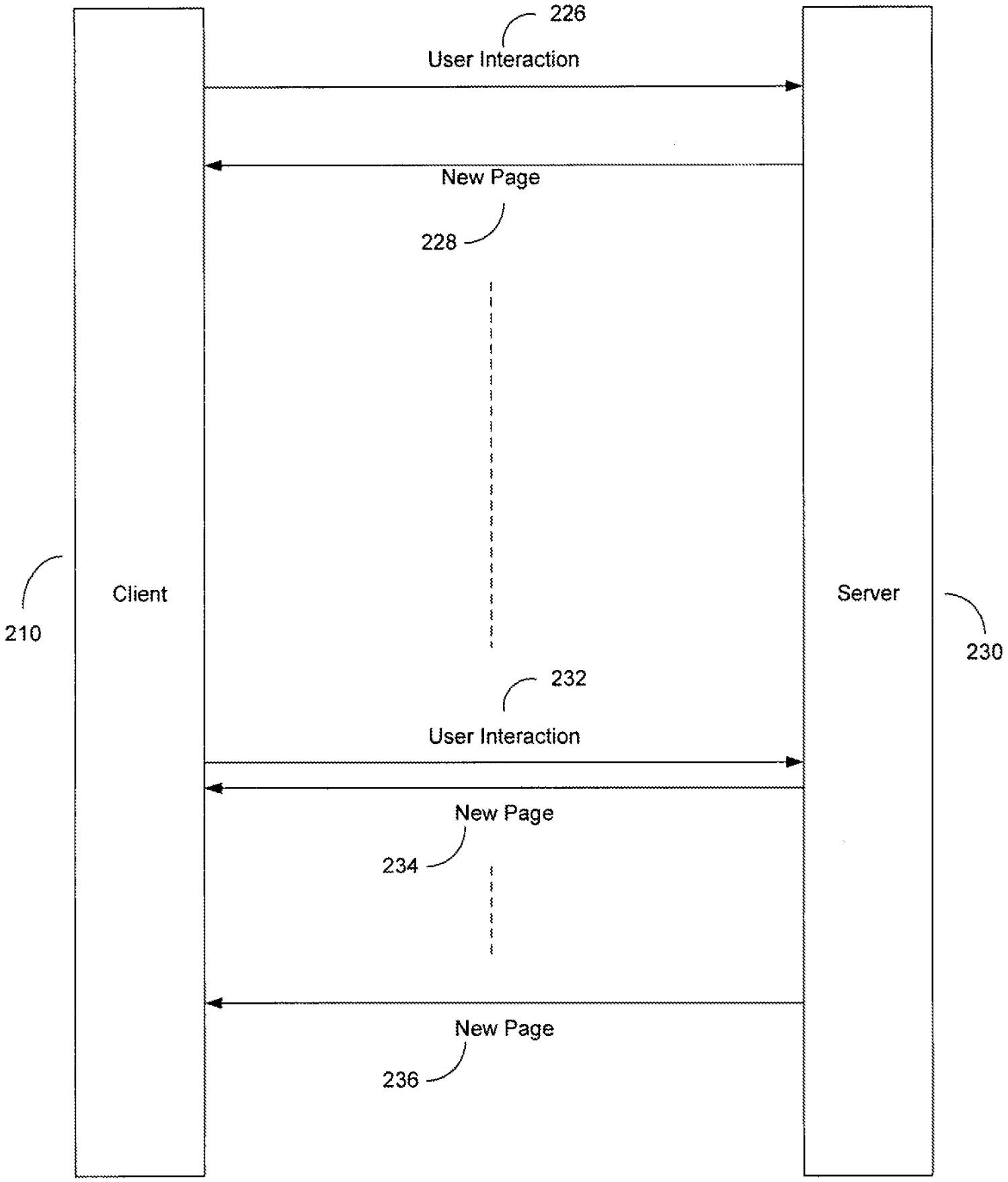


FIGURE 2B
215

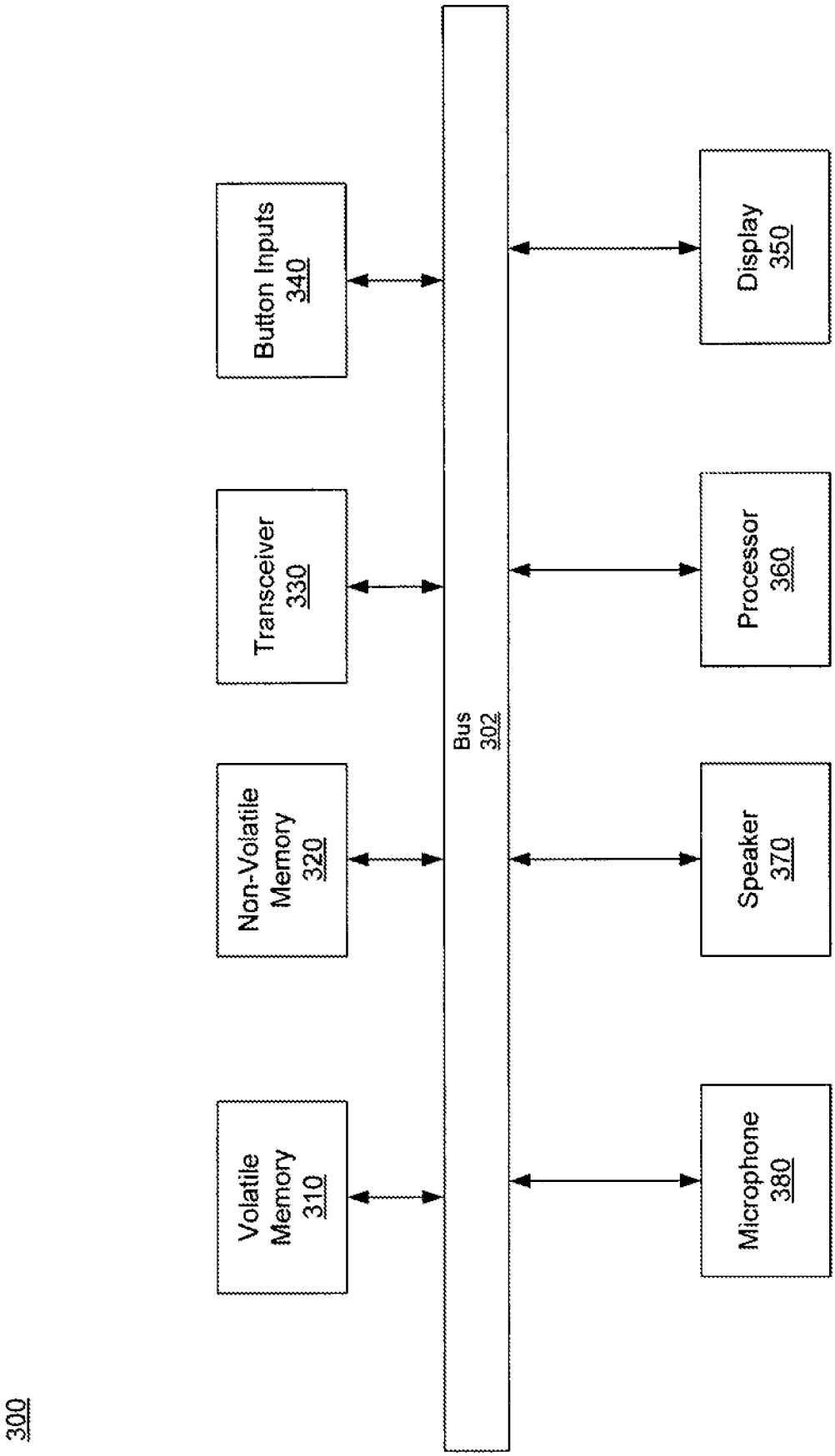

300
Volatile Memory 310
Non-Volatile Memory 320
Transceiver 330
Button Inputs 340
Bus 302
Microphone 380
Speaker 370
Processor 360
Display 350

FIGURE 3

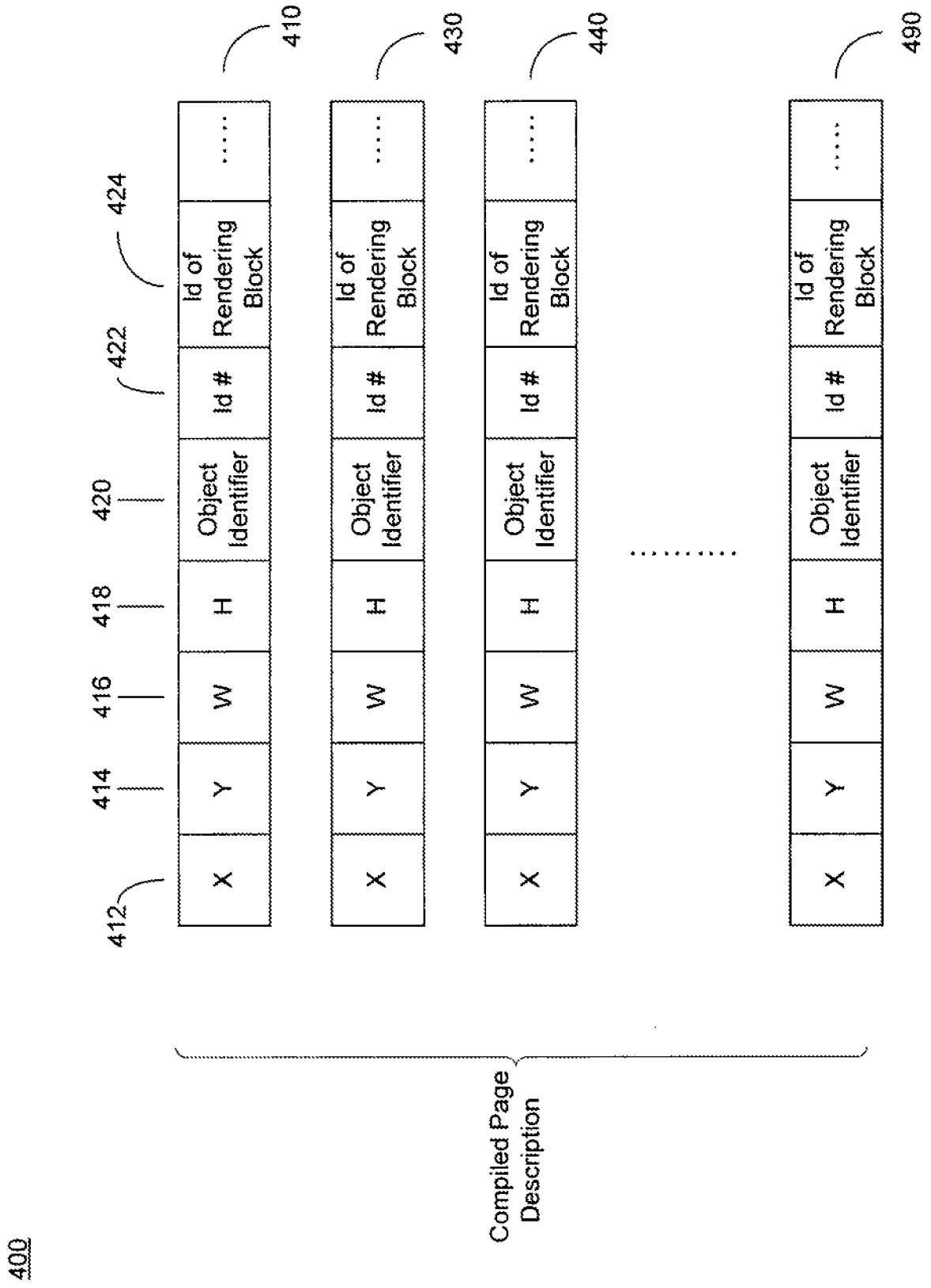

400
Compiled Page Description
412
414
416
418
420
422
424
X
Y
W
H
Object Identifier
Id #
Id of Rendering Block
.....
410
430
440
490

FIGURE 4

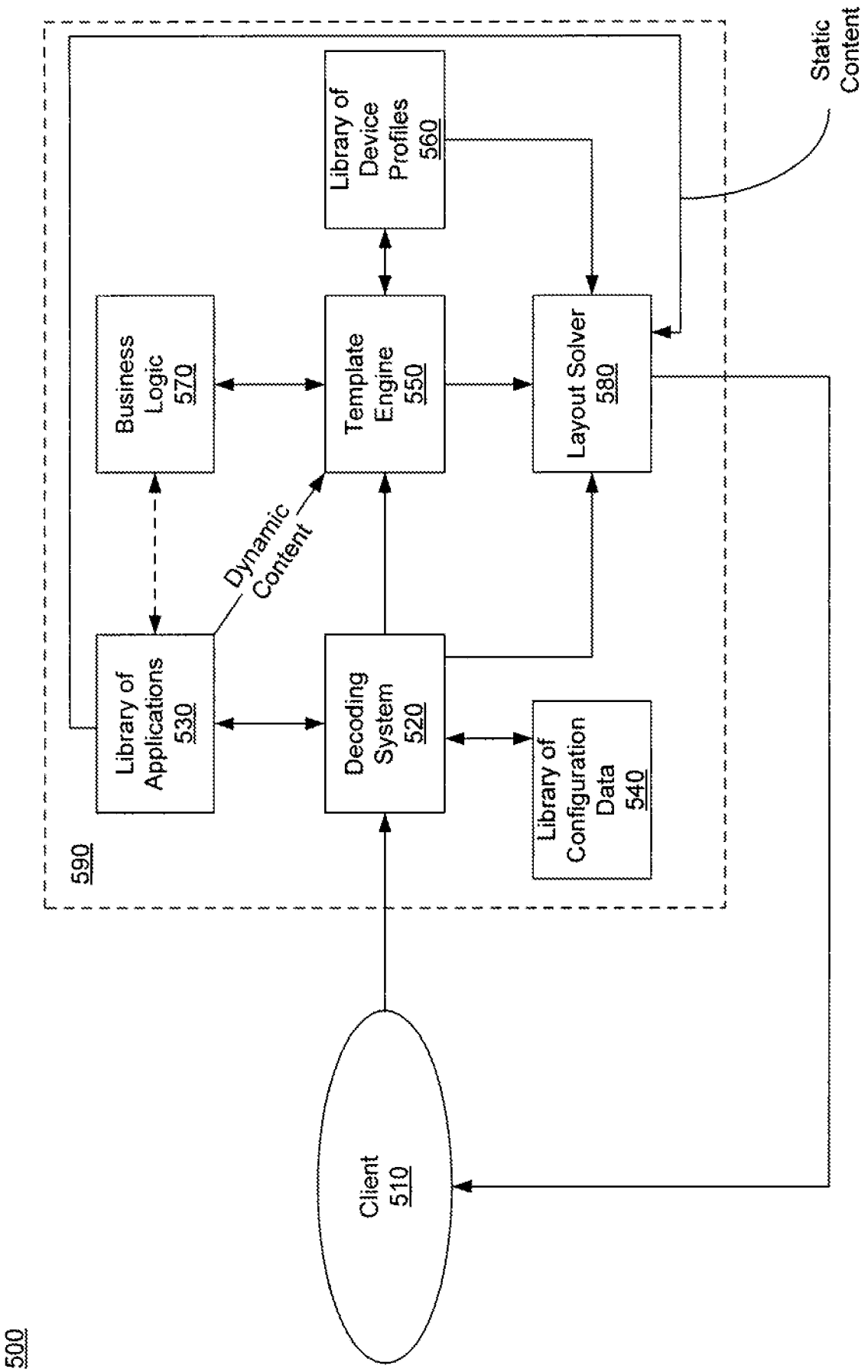

500
590
Client
510
Library of Applications
530
Business Logic
570
Dynamic Content
Decoding System
520
Template Engine
550
Library of Device Profiles
560
Library of Configuration Data
540
Layout Solver
580
Static Content

FIGURE 5

600

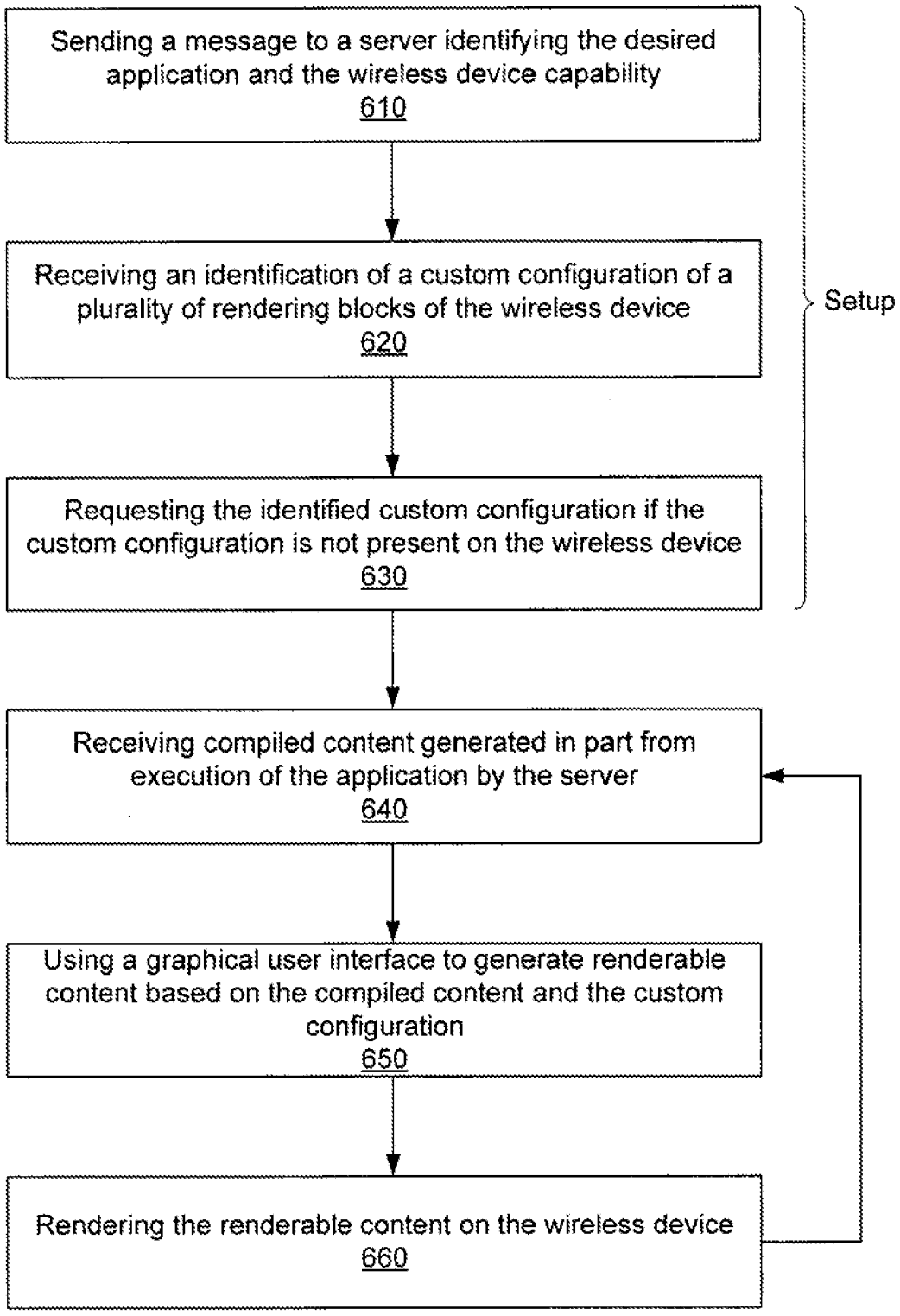

Sending a message to a server identifying the desired application and the wireless device capability
610
Receiving an identification of a custom configuration of a plurality of rendering blocks of the wireless device
620
Requesting the identified custom configuration if the custom configuration is not present on the wireless device
630
Setup
Receiving compiled content generated in part from execution of the application by the server
640
Using a graphical user interface to generate renderable content based on the compiled content and the custom configuration
650
Rendering the renderable content on the wireless device
660

FIGURE 6

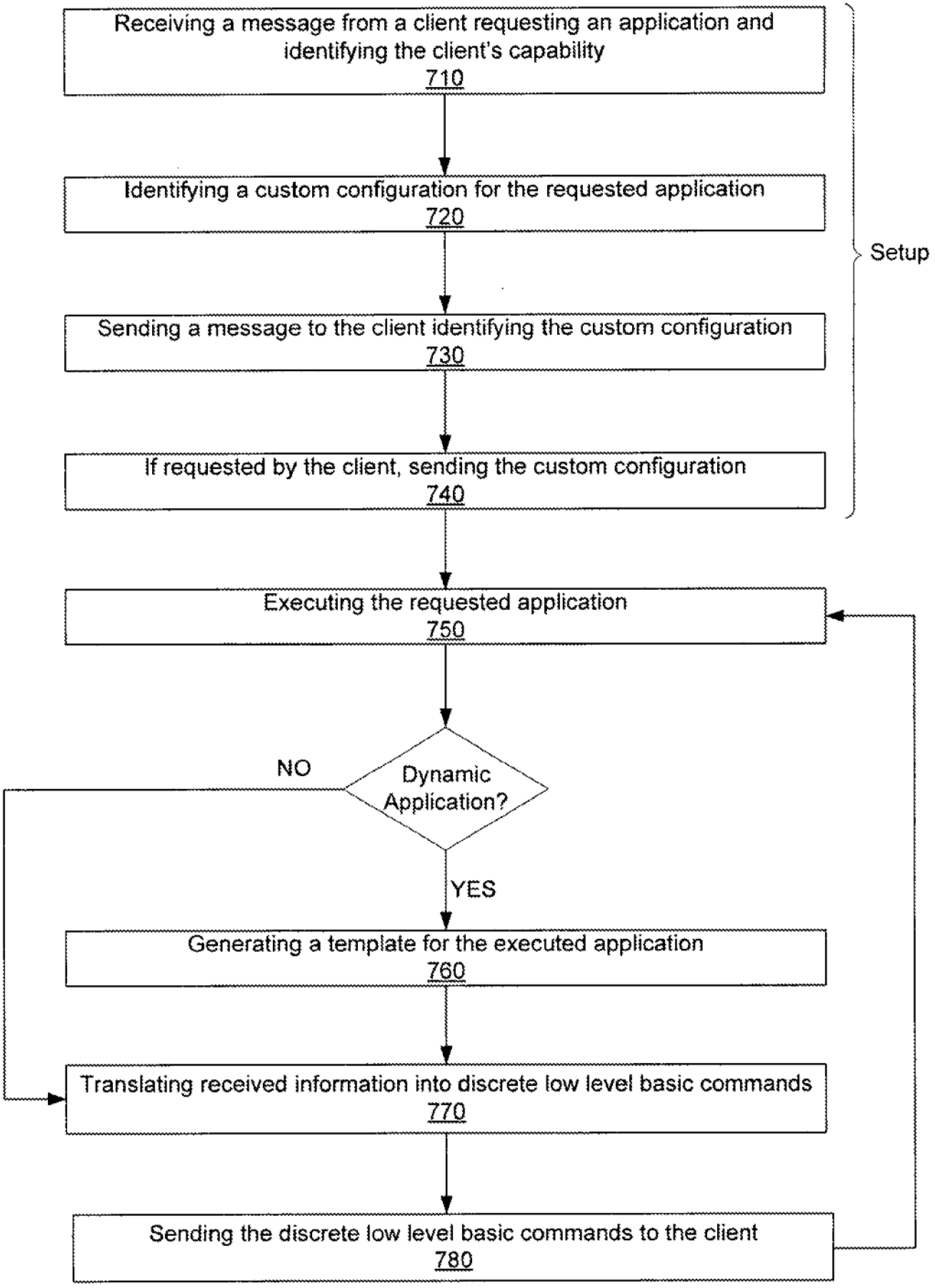

Receiving a message from a client requesting an application and identifying the client's capability
710
Identifying a custom configuration for the requested application
720
Sending a message to the client identifying the custom configuration
730
If requested by the client, sending the custom configuration
740
Setup
Executing the requested application
750
Dynamic Application?
NO
YES
Generating a template for the executed application
760
Translating received information into discrete low level basic commands
770
Sending the discrete low level basic commands to the client
780

FIGURE 7

Electronic Acknowledgement Receipt

EFS ID:	15560087
Application Number:	13865987
International Application Number:	
Confirmation Number:	3724
Title of Invention:	A Method and System for Rendering Content on a Wireless Device
First Named Inventor/Applicant Name:	Pierre Carion
Customer Number:	21971
Filer:	Ali Reza Alemozafar/Lydia Vosburgh (ARA/lcv)
Filer Authorized By:	Ali Reza Alemozafar
Attorney Docket Number:	38285-705.301
Receipt Date:	18-APR-2013
Filing Date:	
Time Stamp:	22:29:10
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	Transmittal of New Application	38285-705-301-UtilityTransmittal.pdf	79508 3eb672dccaf00d550e5a0d5826654c9a13dde358	no	1

Warnings:	
Information:	

2	Application Data Sheet	38285-705-301-ADS-signed.pdf	1503484 17f721c713a2542571cda7b53e16b018f8aca822	no	6
Warnings:					
Information:					
3		38285-705-301-Specification.pdf	2084686 4dd7b159db46edd7f3a27595a5bab00bd5eb7496	yes	65

Multipart Description/PDF files in .zip description		
Document Description	**Start**	**End**
Specification	1	53
Claims	54	64
Abstract	65	65

Warnings:					
Information:					
4	Drawings-only black and white line drawings	38285-705-301-Figures.pdf	449204 8c9d2801a5c8ca1e44d0c92be02c3ab5812ce6a6	no	9
Warnings:					
Information:					
		Total Files Size (in bytes):	4116882		

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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.