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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
12/973,475	12/20/2010	Alexander Kurganov	PRS-20.CON4

**CONFIRMATION NO. 1928**

**POA ACCEPTANCE LETTER**

93219  
Patent Law Works, LLP  
201 South Main Street, Suite 250  
Salt Lake City, UT 84111



OC000000072271224

Date Mailed: 12/12/2014

**NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY**

This is in response to the Power of Attorney filed 12/01/2014.

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.

/agizaw/

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



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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
12/973,475	12/20/2010	Alexander Kurganov	PRS-20.CON4

49637  
Shawn Diedrich  
20906 W Cora Vista  
Buckeye, AZ 85396

**CONFIRMATION NO. 1928**  
**POWER OF ATTORNEY NOTICE**



OC000000072277205

Date Mailed: 12/12/2014

**NOTICE REGARDING CHANGE OF POWER OF ATTORNEY**

This is in response to the Power of Attorney filed 12/01/2014.

- The Power of Attorney to you in this application has been revoked by the assignee who has intervened as provided by 37 CFR 3.71. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

/agizaw/

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

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

**POWER OF ATTORNEY 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: 93219

**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 assignments 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: 93219

**OR**

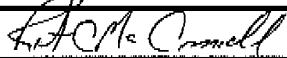
<input type="checkbox"/>	Firm or Individual Name			
<input type="checkbox"/>	Address			
<input type="checkbox"/>	City	State	Zip	
<input type="checkbox"/>	Country			
<input type="checkbox"/>	Telephone			Email

Assignee Name and Address: Parus Holdings, Inc.  
3000 Lakeside Drive, Suite 300N  
Bannockburn, IL 60015

**A copy of this form, together with a statement under 37 CFR 3.73(c) (Form PTO/AIA/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		Date	5/21/2013
Name	Robert C. McConnell	Telephone	888-387-3481
Title	Chief Financial Officer, Senior Vice President and General Counsel of Parus Holdings, Inc.		

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.

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	20821594
<b>Application Number:</b>	12973475
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	1928
<b>Title of Invention:</b>	ROBUST VOICE BROWSER SYSTEM AND VOICE ACTIVATED DEVICE CONTROLLER
<b>First Named Inventor/Applicant Name:</b>	Alexander Kurganov
<b>Customer Number:</b>	49637
<b>Filer:</b>	Reena Kuyper
<b>Filer Authorized By:</b>	
<b>Attorney Docket Number:</b>	PRS-20.CON4
<b>Receipt Date:</b>	01-DEC-2014
<b>Filing Date:</b>	20-DEC-2010
<b>Time Stamp:</b>	02:56:20
<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

Submitted with Payment	no
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### File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Assignee showing of ownership per 37 CFR 3.73.	04520US_Stmnt373.pdf	120072 <small>ecd709a9bd8d16586f41dcd99c67ce2ba7d ba367</small>	no	3

### Warnings:

### Information:



2	Power of Attorney	Signed_Parus_POA.pdf	58299	no	1
			db136580173a245b145ea45cb364f8db8e9ae578		

**Warnings:**

**Information:**

<b>Total Files Size (in bytes):</b>	178371
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**This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.**

**New Applications Under 35 U.S.C. 111**

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

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

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

**New International Application Filed with the USPTO as a Receiving Office**

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

**STATEMENT UNDER 37 CFR 3.73(c)**

Applicant/Patent Owner: Alexander Kurganov, Valery Zhukoff  
Application No./Patent No.: 12/973,475 Filed/Issue Date: December 20, 2010  
Titled: Robust Voice Browser System and Voice Activated Device Controller  
Parus Holdings, 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: Alexander Kurganov, Valery Zhukoff To: Webley Systems, Inc.

The document was recorded in the United States Patent and Trademark Office at Reel 033922, Frame 0418, or for which a copy thereof is attached.

2. From: Webley Systems, Inc. To: Parus Holdings, Inc.

The document was recorded in the United States Patent and Trademark Office at Reel 033922, Frame 0431, or for which a copy thereof is attached.

[Page 1 of 2]

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.*

**STATEMENT UNDER 37 CFR 3.73(c)**

3. 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.

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.

/Reena Kuyper/ \_\_\_\_\_

Signature

Reena Kuyper

Printed or Typed Name

December 1, 2014

Date

33,830

Title or Registration 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.



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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/973,475	05/22/2012	8185402	PRS-20.CON4	1928

49637 7590 05/02/2012  
BERRY & ASSOCIATES P.C.  
9229 SUNSET BOULEVARD  
SUITE 630  
LOS ANGELES, CA 90069

**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):

Alexander Kurganov, Buffalo Grove, IL;  
Valery Zhukoff, Deerfield, IL;

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.

Substitute for form 1449/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		<b>Application Number</b>	To Be Assigned
Date Submitted: December 20, 2010		<b>Filing Date</b>	Herewith
(use as many sheets as necessary)		<b>First Named Inventor</b>	Alexander Kurganov
<b>Sheet</b>	4	<b>Art Unit</b>	Unassigned
	of	<b>Examiner Name</b>	Unassigned
	12	<b>Attorney Docket Number</b>	078616-1054-CON

U.S. PATENT DOCUMENTS				
	Document Number	Date	Inventor	
	US 5,416,834	05-16-1995	Bales et al.	
	US 5,432,845	07-11-1995	Burd et al.	
	US 5,436,963	07-25-1995	Fitzpatrick et al.	
Change(s) applied to document, /R.M.L./ 2/27/2012	US 4,596,900 B1	<del>10-10-1995</del>	Jackson	06-1986
	US 5,459,584	10-17-1995	Gordon et al.	
	US 5,463,684	10-31-1995	Morduch et al.	
	US 5,475,791	12-12-1995	Schalk et al.	
	US 5,479,487	12-26-1995	Hammond	
	US 5,495,484	02-27-1996	Self et al.	
	US 5,497,373	03-05-1996	Hulen et al.	
	US 5,499,288	03-12-1996	Hunt et al.	
	US 5,515,427	05-07-1996	Carlsen et al.	
	US 5,517,558	05-14-1996	Schalk	
	US 5,526,353	06-11-1996	Henley et al.	
	US 5,533,115	07-02-1996	Hollenbach et al.	
	US 5,537,461	07-16-1996	Bridges et al.	
	US 5,555,100	09-10-1996	Bloomfield et al.	
	US 5,559,611	09-24-1996	Bloomfield et al.	
	US 5,559,859	09-24-1996	Dai et al.	
	US 5,566,236	10-15-1996	MeLampy et al.	
	US 5,603,031	02-11-1997	White et al.	
	US 5,608,786	03-04-1997	Gordon	
	US 5,610,910	03-11-1997	Focsaneanu et al.	
	US 5,610,970	03-11-1997	Fuller et al.	
	US 5,611,031	03-11-1997	Hertzfield et al.	
	US 5,652,789	07-29-1997	Miner et al.	
	US 5,657,376	08-12-1997	Espeut et al.	
	US 5,659,597	08-19-1997	Bareis et al.	
	US 5,666,401	09-09-1997	Morganstein et al.	
	US 5,675,507	10-07-1997	Bobo II	
	US 5,675,811	10-07-1997	Broedner et al.	
	US 5,689,669	11-18-1997	Lynch et al.	
	US 5,692,187	11-25-1997	Goldman et al.	
	US 5,699,486	12-16-1997	Tullis et al.	
	US 5,712,903	01-27-1998	Bartholomew et al.	
	US 5,719,921	02-17-1998	Vysotsky et al.	
	US 5,721,908	02-24-1998	Lagarde et al.	
	US 5,724,408	03-03-1998	Morganstein	
	US 5,742,905	04-21-1998	Pepe et al.	

<b>Examiner Signature</b>	/Susan Mctadden/	<b>Date Considered</b>	05/25/2011
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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 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.

**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)

49637 7590 01/20/2012  
**BERRY & ASSOCIATES P.C.**  
 9229 SUNSET BOULEVARD  
 SUITE 630  
 LOS ANGELES, CA 90069

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.
12/973,475	12/20/2010	Alexander Kurganov	PRS-105	1928

TITLE OF INVENTION: ROBUST VOICE BROWSER SYSTEM AND VOICE ACTIVATED DEVICE CONTROLLER

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$870	\$300	\$0	\$1170	04/20/2012

EXAMINER	ART UNIT	CLASS-SUBCLASS
MCFADDEN, SUSAN IRIS	2626	704-275000

<p>1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).</p> <p><input type="checkbox"/> Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.</p> <p><input type="checkbox"/> "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. <b>Use of a Customer Number is required.</b></p>	<p>2. For printing on the patent front page, list</p> <p>(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,</p> <p>(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.</p> <p>1 <u>Berry &amp; Associates P.C.</u></p> <p>2 _____</p> <p>3 _____</p>
---	--

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 Parus Holdings, Inc. (B) RESIDENCE: (CITY and STATE OR COUNTRY) Bannockburn, Illinois

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

<p>4a. The following fee(s) are submitted:</p> <p><input checked="" type="checkbox"/> Issue Fee</p> <p><input checked="" type="checkbox"/> Publication Fee (No small entity discount permitted)</p> <p><input type="checkbox"/> Advance Order - # of Copies _____</p>	<p>4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)</p> <p><input type="checkbox"/> A check is enclosed.</p> <p><input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.</p> <p><input checked="" type="checkbox"/> The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number <u>50-3102</u> (enclose an extra copy of this form).</p>
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5. Change in Entity Status (from status indicated above)

a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.  b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature /Shawn Diedtrich/ Date April 20, 2012

Typed or printed name Shawn Diedtrich Registration No. 58,176

This collection of information 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.

## Electronic Patent Application Fee Transmittal

<b>Application Number:</b>	12973475			
<b>Filing Date:</b>	20-Dec-2010			
<b>Title of Invention:</b>	ROBUST VOICE BROWSER SYSTEM AND VOICE ACTIVATED DEVICE CONTROLLER			
<b>First Named Inventor/Applicant Name:</b>	Alexander Kurganov			
<b>Filer:</b>	Shawn Diedtrich.			
<b>Attorney Docket Number:</b>	PRS-20.CON4			
Filed as Small Entity				
<b>Utility under 35 USC 111(a) Filing Fees</b>				
<b>Description</b>	<b>Fee Code</b>	<b>Quantity</b>	<b>Amount</b>	<b>Sub-Total in USD(\$)</b>
<b>Basic Filing:</b>				
<b>Pages:</b>				
<b>Claims:</b>				
<b>Miscellaneous-Filing:</b>				
Publ. Fee- early, voluntary, or normal	1504	1	300	300
<b>Petition:</b>				
<b>Patent-Appeals-and-Interference:</b>				
<b>Post-Allowance-and-Post-Issuance:</b>				
Utility Appl issue fee	2501	1	870	870



Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
<b>Extension-of-Time:</b>				
<b>Miscellaneous:</b>				
<b>Total in USD (\$)</b>				<b>1170</b>

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	12593075
<b>Application Number:</b>	12973475
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	1928
<b>Title of Invention:</b>	ROBUST VOICE BROWSER SYSTEM AND VOICE ACTIVATED DEVICE CONTROLLER
<b>First Named Inventor/Applicant Name:</b>	Alexander Kurganov
<b>Customer Number:</b>	49637
<b>Filer:</b>	Shawn Diedrich.
<b>Filer Authorized By:</b>	
<b>Attorney Docket Number:</b>	PRS-20.CON4
<b>Receipt Date:</b>	20-APR-2012
<b>Filing Date:</b>	20-DEC-2010
<b>Time Stamp:</b>	15:04:51
<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$1170
RAM confirmation Number	1494
Deposit Account	503102
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)	PRS-20_CON4_issue_fee_trans_4-20-12.pdf	120907 03b43f7621e0e30823b346f06c66ddb7ae079e3	no	1

### Warnings:

### Information:

2	Fee Worksheet (SB06)	fee-info.pdf	32214 7b18676f9750845614fac3f51c9c63e794fa29a	no	2
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### Warnings:

### Information:

Total Files Size (in bytes): 153121

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 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

49637 7590 01/20/2012
BERRY & ASSOCIATES P.C.
9229 SUNSET BOULEVARD
SUITE 630
LOS ANGELES, CA 90069

EXAMINER

MCFADDEN, SUSAN IRIS

ART UNIT PAPER NUMBER

2626

DATE MAILED: 01/20/2012

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.

12/973,475 12/20/2010 Alexander Kurganov PRS-105 1928

TITLE OF INVENTION: ROBUST VOICE BROWSER SYSTEM AND VOICE ACTIVATED DEVICE CONTROLLER

Table with 7 columns: APPLN. TYPE, SMALL ENTITY, ISSUE FEE DUE, PUBLICATION FEE DUE, PREV. PAID ISSUE FEE, TOTAL FEE(S) DUE, DATE DUE

nonprovisional YES \$870 \$300 \$0 \$1170 04/20/2012

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 SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

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)

49637 7590 01/20/2012  
**BERRY & ASSOCIATES P.C.**  
 9229 SUNSET BOULEVARD  
 SUITE 630  
 LOS ANGELES, CA 90069

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.
12/973,475	12/20/2010	Alexander Kurganov	PRS-105	1928

TITLE OF INVENTION: ROBUST VOICE BROWSER SYSTEM AND VOICE ACTIVATED DEVICE CONTROLLER

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$870	\$300	\$0	\$1170	04/20/2012

EXAMINER	ART UNIT	CLASS-SUBCLASS
MCFADDEN, SUSAN IRIS	2626	704-275000

<p>1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).</p> <p><input type="checkbox"/> Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.</p> <p><input type="checkbox"/> "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. <b>Use of a Customer Number is required.</b></p>	<p>2. For printing on the patent front page, list</p> <p>(1) the names of up to 3 registered patent attorneys or agents OR, alternatively, _____ 1</p> <p>(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. _____ 2</p> <p>_____ 3</p>
---	---

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

<p>4a. The following fee(s) are submitted:</p> <p><input type="checkbox"/> Issue Fee</p> <p><input type="checkbox"/> Publication Fee (No small entity discount permitted)</p> <p><input type="checkbox"/> Advance Order - # of Copies _____</p>	<p>4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)</p> <p><input type="checkbox"/> A check is enclosed.</p> <p><input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.</p> <p><input type="checkbox"/> The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).</p>
---	--

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

a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.  b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature \_\_\_\_\_ Date \_\_\_\_\_

Typed or printed name \_\_\_\_\_ Registration No. \_\_\_\_\_

This collection of information 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.

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UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
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Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.

49637 7590 01/20/2012
BERRY & ASSOCIATES P.C.
9229 SUNSET BOULEVARD
SUITE 630
LOS ANGELES, CA 90069

EXAMINER

MCFADDEN, SUSAN IRIS

ART UNIT PAPER NUMBER

2626

DATE MAILED: 01/20/2012

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

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

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 Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

## 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.

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	12/973,475	KURGANOV ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	SUSAN MCFADDEN	2626	

**-- 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 Terminal Disclaimer filed 12-29-11.
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 1-15.
4.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - 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.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6.  CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a)  including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1)  hereto or 2)  to Paper No./Mail Date \_\_\_\_.
    - (b)  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).**
7.  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. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application                     |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date ____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date ____     | 7. <input type="checkbox"/> Examiner's Amendment/Comment                              |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance             |
|  | 9. <input type="checkbox"/> Other ____.   |

/Susan McFadden/  
 Primary Examiner, Art Unit 2626



<b>Issue Classification</b> 	<b>Application/Control No.</b> 12973475	<b>Applicant(s)/Patent Under Reexamination</b> KURGANOV ET AL.
	<b>Examiner</b> SUSAN MCFADDEN	<b>Art Unit</b> 2626

ORIGINAL						INTERNATIONAL CLASSIFICATION														
CLASS			SUBCLASS			CLAIMED					NON-CLAIMED									
704			275			G	1	0	L	21 / 06 (2006.01.01)										
<b>CROSS REFERENCE(S)</b>																				
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)																			
379	88.17																			

<input checked="" type="checkbox"/> Claims renumbered in the same order as presented by applicant <input type="checkbox"/> CPA <input checked="" type="checkbox"/> T.D. <input type="checkbox"/> R.1.47															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1														
2	2														
3	3														
4	4														
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10	10														
11	11														
12	12														
13	13														
14	14														
15	15														

NONE		<b>Total Claims Allowed:</b>	
		15	
(Assistant Examiner)	(Date)		
/SUSAN MCFADDEN/ Primary Examiner. Art Unit 2626	1-4-12	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

## WEST Search History for Application 12973475

Creation Date: 2012010316:06

### Interference Searches


Query	DB	Op.	Plur.	Thes.	Date
((voice or speech) adj commands and website or web near site) and speech near recognition and speaker-independent and speech near synthesis and ranking	PGPB	OR	YES		01-03-2012
((voice or speech) adj commands and website or web near site) and speech near recognition and speaker-independent and speech near synthesis and ranking).clm.	PGPB	OR	YES		01-03-2012

### Prior Art Searches

Query	DB	Op.	Plur.	Thes.	Date
kurganov.in.	USPT	OR	YES		05-25-2011
kurganov.in. and voice near browser	USPT	OR	YES		05-25-2011
kurganov.in. and voice near browser and speech near recognition	USPT	OR	YES		05-25-2011
kurganov.in. and voice near browser and speech near (recognition and command)	USPT	OR	YES		05-25-2011
kurganov.in. and voice near browser and speech near (recognition and command) and grammar	USPT	OR	YES		05-25-2011
kurganov.in. and voice near browser and speech near (recognition and command) and grammar and speaker-independent	USPT	OR	YES		05-25-2011
kurganov.in. and (voice near browser and speech near (recognition and command) and grammar and speaker-independent).clm.	USPT	OR	YES		05-25-2011
kurganov.in. and voice near browser and( speech near (recognition and command) and grammar and speaker-independent).clm.	USPT	OR	YES		05-25-2011
kurganov.in. and voice near browser and( speech near (recognition and command) and grammar and speaker-independent).clm. and rankings	USPT	OR	YES		05-25-2011
kurganov.in. and voice near browser and( speech near (recognition and command) and grammar and	USPT	OR	YES		05-25-2011

<b>speaker-independent and rankings).clm.</b>					
<b>voice near browser and( speech near (recognition and command) and grammar and speaker-independent and rankings).clm.</b>	USPT	OR	YES		05-25-2011
<b>voice near browser and( speech near (recognition and command) and grammar and speaker-independent and rankings).clm.</b>	PGPB	OR	YES		05-25-2011
<b>kurganov.in.</b>	USPT	OR	YES		12-20-2011
<b>kurganov.in. and speech and web</b>	USPT	OR	YES		12-20-2011
<b>kurganov.in. and speech near command and web</b>	USPT	OR	YES		12-20-2011
<b>(kurganov.in. and speech near command and web )</b>	USPT	OR	YES		12-20-2011
<b>kurganov.in. and speech near command and web near site</b>	USPT	OR	YES		12-20-2011
<b>kurganov.in. and speech near command and web near site and synthesis</b>	USPT	OR	YES		12-20-2011
<b>kurganov.in. and speech near command and web near site and synthesis and message</b>	USPT	OR	YES		12-20-2011
<b>kurganov.in. and (speech near command and web near site and synthesis and message).clm.</b>	USPT	OR	YES		12-20-2011
<b>kurganov.in. and (speech near command and web near site and synthesis and message and speaker-independent).clm.</b>	USPT	OR	YES		12-20-2011
<b>(speech near command and web near site and synthesis and message and speaker-independent).clm.</b>	USPT	OR	YES		12-20-2011
<b>(speech near command and web and synthesis and message and speaker-independent).clm.</b>	USPT	OR	YES		12-20-2011
<b>kurganov.in.</b>	USPT	OR	YES		01-03-2012
<b>kurganov.in. and (voice or speech) adj commands</b>	USPT	OR	YES		01-03-2012
<b>kurganov.in. and (voice or speech) adj commands and (website or web near site)</b>	USPT	OR	YES		01-03-2012
<b>kurganov.in. and (voice or speech) adj commands and (website or web near site) and speech near recognition</b>	USPT	OR	YES		01-03-2012
<b>kurganov.in. and (voice or speech) adj commands and (website or web near site) and speech near recognition and speaker-independent</b>	USPT	OR	YES		01-03-2012
<b>kurganov.in. and ((voice or speech) adj commands and (website or web near site) and speech near recognition and speaker-independent).clm.</b>	USPT	OR	YES		01-03-2012
	USPT	OR	YES		01-03-2012


<b>((voice or speech) adj commands and (website or web near site) and speech near recognition and speaker-independent).clm.</b>					
<b>((voice or speech) adj commands and website or web near site) and speech near recognition and speaker-independent and speech near synthesis</b>	USPT	OR	YES		01-03-2012
<b>((voice or speech) adj commands and website or web near site) and speech near recognition and speaker-independent and speech near synthesis).clm.</b>	USPT	OR	YES		01-03-2012
<b>((voice or speech) adj commands and website or web near site) and speech near recognition and speaker-independent and speech near synthesis).clm.</b>	PGPB	OR	YES		01-03-2012
<b>((voice or speech) adj commands and website or web near site) and speech near recognition and speaker-independent and speech near synthesis and ranking</b>	PGPB	OR	YES		01-03-2012
<b>((voice or speech) adj commands and website or web near site) and speech near recognition and speaker-independent and speech near synthesis and ranking).clm.</b>	USPT	OR	YES		01-03-2012

<b><i>Index of Claims</i></b> 	<b>Application/Control No.</b> 12973475	<b>Applicant(s)/Patent Under Reexamination</b> KURGANOV ET AL.
	<b>Examiner</b> SUSAN MCFADDEN	<b>Art Unit</b> 2626

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

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

CLAIM		DATE							
Final	Original	05/25/2011	01/03/2012						
1	1	✓	=						
2	2	✓	=						
3	3	✓	=						
4	4	✓	=						
5	5	✓	=						
6	6	✓	=						
7	7	✓	=						
8	8	✓	=						
9	9	✓	=						
10	10	✓	=						
11	11	✓	=						
12	12	✓	=						
13	13	✓	=						
14	14	✓	=						
15	15	✓	=						


<b>Search Notes</b>  	<b>Application/Control No.</b>  12973475	<b>Applicant(s)/Patent Under Reexamination</b>  KURGANOV ET AL.
	<b>Examiner</b>  SUSAN MCFADDEN	<b>Art Unit</b>  2626

SEARCHED			
Class	Subclass	Date	Examiner
704	275	1-3-12	SM
379	88.17	1-3-12	SM

SEARCH NOTES		
Search Notes	Date	Examiner
Searched WEST	5-25-11	SM
Updated Search	1-3-12	SM

INTERFERENCE SEARCH			
Class	Subclass	Date	Examiner
704	275	1-3-12	SM
379	88.17	1-3-12	SM

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<b>Application Number</b> 	<b>Application/Control No.</b> 12/973,475	<b>Applicant(s)/Patent under Reexamination</b> KURGANOV ET AL.

<b>Document Code - DISQ</b>	<b>Internal Document – DO NOT MAIL</b>
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<b>TERMINAL DISCLAIMER</b>	<input checked="" type="checkbox"/> <b>APPROVED</b>	<input type="checkbox"/> <b>DISAPPROVED</b>
Date Filed : December 29, 2011	<b>This patent is subject to a Terminal Disclaimer</b>	

**Approved/Disapproved by:**

Henry D. jefferson

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.

<b>TERMINAL DISCLAIMER TO OBTAIN A DOUBLE PATENTING REJECTION OVER A "PRIOR" PATENT</b>	Docket Number (Optional) PRS-105
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In re Application of: Alex Kurganov, et al.

Application No.: 12/973,475

Filed: 12/20/2010

For: ROBUST VOICE BROWSER SYSTEM AND VOICE ACTIVATED DEVICE CONTROLLER

The owner\*, Parus Holdings, Inc., of 100 percent interest in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term **prior patent** No. 7,881,941; 7,076,431 as the term of said prior patent is defined in 35 U.S.C. 154 and 173, and as the term of said **prior patent** is presently shortened by any terminal disclaimer. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and the **prior patent** are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.

In making the above disclaimer, the owner does not disclaim the terminal part of the term of any patent granted on the instant application that would extend to the expiration date of the full statutory term as defined in 35 U.S.C. 154 and 173 of the **prior patent**, "as the term of said **prior patent** is presently shortened by any terminal disclaimer," in the event that said **prior patent** later:

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

Check either box 1 or 2 below, if appropriate.

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

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

2.  The undersigned is an attorney or agent of record. Reg. No. 58,176

\_\_\_\_\_/Shawn Diedrich/\_\_\_\_\_  
Signature Date

\_\_\_\_\_  
Shawn Diedrich  
Typed or printed name

\_\_\_\_\_  
(310) 247-2860  
Telephone Number

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

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

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

This collection of information is required by 37 CFR 1.321. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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



## Electronic Patent Application Fee Transmittal

<b>Application Number:</b>	12973475			
<b>Filing Date:</b>	20-Dec-2010			
<b>Title of Invention:</b>	ROBUST VOICE BROWSER SYSTEM AND VOICE ACTIVATED DEVICE CONTROLLER			
<b>First Named Inventor/Applicant Name:</b>	Alexander Kurganov			
<b>Filer:</b>	Shawn Diedtrich.			
<b>Attorney Docket Number:</b>	PRS-105			
Filed as Small Entity				
<b>Utility under 35 USC 111(a) Filing Fees</b>				
<b>Description</b>	<b>Fee Code</b>	<b>Quantity</b>	<b>Amount</b>	<b>Sub-Total in USD(\$)</b>
<b>Basic Filing:</b>				
<b>Pages:</b>				
<b>Claims:</b>				
<b>Miscellaneous-Filing:</b>				
<b>Petition:</b>				
<b>Patent-Appeals-and-Interference:</b>				
<b>Post-Allowance-and-Post-Issuance:</b>				
<b>Extension-of-Time:</b>				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
<b>Miscellaneous:</b>				
Statutory or terminal disclaimer	2814	1	80	80
<b>Total in USD (\$)</b>				<b>80</b>

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	11733136
<b>Application Number:</b>	12973475
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	1928
<b>Title of Invention:</b>	ROBUST VOICE BROWSER SYSTEM AND VOICE ACTIVATED DEVICE CONTROLLER
<b>First Named Inventor/Applicant Name:</b>	Alexander Kurganov
<b>Customer Number:</b>	49637
<b>Filer:</b>	Shawn Diedrich.
<b>Filer Authorized By:</b>	
<b>Attorney Docket Number:</b>	PRS-105
<b>Receipt Date:</b>	29-DEC-2011
<b>Filing Date:</b>	20-DEC-2010
<b>Time Stamp:</b>	21:54:52
<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$80
RAM confirmation Number	5656
Deposit Account	503102
Authorized User	

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

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

### File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Terminal Disclaimer Filed	PRS-105_Terminal_Disclaimer_12-29-11.pdf	199385 580acbfbda9e60bbab99ddea22c9f27a2de861ca	no	1

### Warnings:

### Information:

2	Fee Worksheet (SB06)	fee-info.pdf	30456 c592909f5d6a6b87fce8ef1a38ec56d75db88d5c	no	2
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### Warnings:

### Information:

Total Files Size (in bytes): 229841

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

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www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
12/973,475	12/20/2010	Alexander Kurganov	078616-1054-CON

**CONFIRMATION NO. 1928**

**POA ACCEPTANCE LETTER**

49637  
BERRY & ASSOCIATES P.C.  
9229 SUNSET BOULEVARD  
SUITE 630  
LOS ANGELES, CA 90069



Date Mailed: 12/02/2011

**NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY**

This is in response to the Power of Attorney filed 11/17/2011.

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.

/atesfai/

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



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UNITED STATES DEPARTMENT OF COMMERCE  
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
12/973,475	12/20/2010	Alexander Kurganov	078616-1054-CON

**CONFIRMATION NO. 1928**

**POWER OF ATTORNEY NOTICE**

27433  
FOLEY & LARDNER LLP  
321 NORTH CLARK STREET  
SUITE 2800  
CHICAGO, IL 60654-5313



Date Mailed: 12/02/2011

**NOTICE REGARDING CHANGE OF POWER OF ATTORNEY**

This is in response to the Power of Attorney filed 11/17/2011.

- The Power of Attorney to you in this application has been revoked by the assignee who has intervned as provided by 37 CFR 3.71. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

/atesfai/

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

<b>In re the Application of:</b>	)	<b>Customer No.:</b>	49,637
	)		
Alex Kurganov, et al.	)	<b>Confirmation No.:</b>	1928
	)		
<b>Serial No.:</b> 12/973,475	)	<b>Group Art Unit:</b>	2626
	)		
<b>Filed:</b> 12/20/2010	)	<b>Examiner:</b>	McFadden, Susan I
	)		
<b>For:</b> ROBUST VOICE BROWSER	)	<b>Attorney Docket No.:</b>	PRS-105
SYSTEM AND VOICE	)		
ACTIVATED DEVICE	)	<b>Office Action dated:</b>	5/31/2011
CONTROLLER	)		

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

**RESPONSE TO OFFICE ACTION**

Dear Sir:

In response to the Office Action dated May 31, 2011, please consider the following:

The **Claims** begin on page 2.

**Remarks/Arguments** begin on page 7.

**IN THE CLAIMS:**

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

1. (Currently Amended) A method for retrieving information from ~~pre-selected~~ web sites by uttering speech commands into a voice enabled device and for providing to users retrieved information in an audio form via said voice enabled device, said method comprising the steps of:

providing a computer operatively connected to the internet, said computer further being operatively connected to at least one speaker-independent speech recognition engine and to at least one speech synthesis engine;

providing a voice enabled device operatively connected to said computer, said voice enabled device configured to receive speech commands from users;

~~providing at least one instruction set stored in a database operatively connected to said computer, said instruction set comprising:~~

~~—— a plurality of pre-selected web site addresses, each said web site address identifying a web site containing said information to be retrieved;~~

~~providing a speech command to said speaker-independent speech recognition engine, said speech command corresponding to said instruction set;~~

~~—— said speaker independent speech recognition engine assigning said speech command to a recognition grammar, said speech command and said recognition grammar corresponding to said instruction set;~~

~~—— transmitting said speech command to said speaker independent speech recognition engine;~~

~~said speaker independent speech recognition engine receiving said speech command and selecting the corresponding recognition grammar upon receiving said speech command;~~

~~—— said computer retrieving said instruction set corresponding to said recognition grammar selected by said speaker independent speech recognition engine;~~

said computer accessing at least one of said a plurality of web sites associated with identified by said ~~instruction set~~ speech command to obtain said an information to be retrieved, said computer first accessing said a first web site of said plurality of web sites and, if said



information to be retrieved is not found at said first web site, said computer sequentially accessing said plurality of web sites until said information to be retrieved is found or until said plurality of web sites has been accessed;

said speech synthesis engine producing an audio message containing any retrieved information from said ~~pre-selected~~ web sites; and

said speech synthesis engine transmitting said audio message to said users via said voice enabled device.

2. (Currently Amended) The method of claim 1 wherein said speech command is further associated with instruction set ~~further comprises~~ a content descriptor associated with each said web site address, said content descriptor pre-defining a portion of said web site containing said information to be retrieved.

3. (Currently Amended) The method of claim 1 wherein said speech command is further associated with instruction set ~~further comprises~~ a ranking from highest to lowest associated with each said web site, said ranking indicating the order in which the plurality of ~~pre-selected~~ web sites are accessed.

4. (Original) The method of claim 3 wherein said computer accesses said plurality of web sites based on said ranking, said computer first accessing said web site having the highest ranking.

5. (Original) The method of claim 4 further comprising the step of adjusting said rankings associated with said plurality of web sites such that said web site having said information to be retrieved is assigned the highest ranking and any web sites not having said information to be retrieved are assigned lower rankings.

6. (Original) The method of claim 1 further comprising the step of periodically polling each said web site to determine whether said web site contains said information to be retrieved.

7. (Original) The method of claim 6 wherein the computer periodically polls each said web site without being instructed by said user to determine the availability of each said web site, the duration of time for each said web site to respond to a request from said computer, and changes to the location of said information to be retrieved from each said web site, said computer creating a ranking of said plurality of web sites based on said periodic polling.

8. (Original) The method of claim 1 further comprising the step of periodically searching said internet to find new web sites containing said information to be retrieved, and adding said new web sites to said plurality of web sites.

9. (Currently Amended) A system for retrieving information from ~~pre-selected~~ web sites by uttering speech commands into a phone and for providing to users retrieved information in an audio form via said phone, said system comprising:

a computer, said computer operatively connected to the internet and to at least one phone;  
at least one speaker-independent speech recognition engine, said speaker-independent speech recognition engine operatively connected to said computer;

at least one speech synthesis engine, said speech synthesis engine operatively connected to said computer;

a database, said database operatively connected to said computer, said database containing a plurality of web site addresses;

~~at least one instruction set stored in said database for identifying said information to be retrieved, said instruction set comprising:~~

~~—— a plurality of pre-selected web site addresses, each said web site address identifying a web site containing said information to be retrieved;~~

a content descriptor associated with each said web site address, said content descriptor pre-defining a portion of said web site containing said information to be retrieved;

a ranking from highest to lowest associated with each said web site address, said ranking indicating the order in which the plurality of ~~pre-selected~~ web sites are accessed;

~~at least one recognition grammar stored in said database, each said recognition grammar corresponding to each said instruction set and corresponding to a speech command;~~

said speaker-independent speech recognition engine configured to receive from users via

said phone a speech command ~~and to select the corresponding recognition grammar upon receiving said speech command;~~

~~said computer configured to retrieve said instruction set corresponding to said recognition grammar selected by said speaker independent speech recognition device;~~

said computer ~~further~~ configured to access at least one of said plurality of web sites ~~identified by~~ associated with said speech command ~~instruction set~~ to obtain said information to be retrieved, said computer configured to first access said web site having the highest ranking and, if said information to be retrieved is not found at said web site having the highest ranking, said computer configured to subsequently access said plurality of web sites in order of rankings until said information to be retrieved is found or until said plurality of web sites has been accessed;

said computer further configured to establish or adjust said rankings associated with said plurality of web sites such that said web site having said information to be retrieved is assigned the highest ranking and any web sites not having said information to be retrieved are assigned lower rankings;

said speech synthesis engine configured to produce an audio message containing any retrieved information from said ~~pre-selected~~ web sites, and said speech synthesis engine further configured to transmit said audio message to said users via said phone.

10. (Original) The system of claim 9 wherein said phone comprises a standard telephone, a cellular phone, or an IP phone.
11. (Original) The system of claim 9 wherein said internet is a local area network.
12. (Original) The system of claim 9 wherein said internet is a wide area network.
13. (Original) The system of claim 9 wherein said internet is the Internet.

Application No.:

12/973,475

14. (Original) The system of claim 9 wherein said computer is configured to establish or adjust said rankings associated with said plurality of web sites when instructed by said user to access said plurality of web sites to retrieve said information.

15. (Original) The system of claim 9 wherein said computer is configured to establish or adjust said rankings associated with said plurality of web sites based on periodic polling of each of said web sites without being instructed by said user to determine the availability of each said web site, the duration of time for each said web site to respond to a request from said computer, and changes to the location of said information to be retrieved from each said web site.

Application No.:

12/973,475

### **REMARKS**

Claims 1-15 are pending. Claims 1-3 and 9 are amended. Applicants respectfully request reconsideration.

#### **Specification**

The abstract of the disclosure is objected to because it is the same as U.S. Patent No. 7,881,941. Applicant respectfully traverses this objection.

Nowhere in MPEP § 608.01(b) does a guideline exist stating an abstract is prohibited from being the same as another patent's abstract. The MPEP guidelines for an abstract are to enable a reader to quickly determine the "nature and gist" of the disclosure, be a concise statement no longer than 150 words in length, not refer to the merits or applications of the invention, and should not compare the invention with the prior art. See MPEP § 608.01(b).

Applicants respectfully submit the current Abstract describes the "nature and gist" of the present invention as claimed, is a concise statement less than 150 words, and does not refer to the merits of the invention or compare the invention to another. Applicants also note that the examiner has issued numerous double patenting rejections asserting that the present invention as claimed is the same or obvious over U.S. Patents 7,881,941 and 7,076,431, which both share the same abstract.

The examiner's reasoning for correction is not part of the guidelines for an abstract. Applicants submit the abstract meets all relevant guidelines. Accordingly, Applicants respectfully request withdrawal of this objection.

#### **Double Patenting**

Claims 1-15 stand rejected under 35 U.S.C. § 101 as claiming the same invention as that of claims 1-15 of prior U.S. Patent No. 7,881,941. Applicants amend the claims to obviate this rejection. Accordingly, Applicants respectfully request withdrawal of this rejection.

Claims 9-15 stand rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 26-32 of U.S. Patent No. 7,076,431. Applicants amend the claims to obviate this rejection. Accordingly, Applicants respectfully request withdrawal of this rejection.



## Electronic Patent Application Fee Transmittal

<b>Application Number:</b>	12973475			
<b>Filing Date:</b>	20-Dec-2010			
<b>Title of Invention:</b>	ROBUST VOICE BROWSER SYSTEM AND VOICE ACTIVATED DEVICE CONTROLLER			
<b>First Named Inventor/Applicant Name:</b>	Alexander Kurganov			
<b>Filer:</b>	Shawn Diedtrich.			
<b>Attorney Docket Number:</b>	078616-1054-CON			
Filed as Small Entity				
<b>Utility under 35 USC 111(a) Filing Fees</b>				
<b>Description</b>	<b>Fee Code</b>	<b>Quantity</b>	<b>Amount</b>	<b>Sub-Total in USD(\$)</b>
<b>Basic Filing:</b>				
<b>Pages:</b>				
<b>Claims:</b>				
<b>Miscellaneous-Filing:</b>				
<b>Petition:</b>				
<b>Patent-Appeals-and-Interference:</b>				
<b>Post-Allowance-and-Post-Issuance:</b>				
<b>Extension-of-Time:</b>				
Extension - 3 months with \$0 paid	2253	1	635	635

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
<b>Miscellaneous:</b>				
<b>Total in USD (\$)</b>				<b>635</b>



## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	11516993
<b>Application Number:</b>	12973475
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	1928
<b>Title of Invention:</b>	ROBUST VOICE BROWSER SYSTEM AND VOICE ACTIVATED DEVICE CONTROLLER
<b>First Named Inventor/Applicant Name:</b>	Alexander Kurganov
<b>Customer Number:</b>	49637
<b>Filer:</b>	Shawn Diedtrich.
<b>Filer Authorized By:</b>	
<b>Attorney Docket Number:</b>	078616-1054-CON
<b>Receipt Date:</b>	30-NOV-2011
<b>Filing Date:</b>	20-DEC-2010
<b>Time Stamp:</b>	20:49:18
<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$635
RAM confirmation Number	8776
Deposit Account	503102
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		PRS-105_Response_11-30-11.pdf	48313 3a1cca88ab4156b5a92a20b5ebda78debae2fad2	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	Fee Worksheet (SB06)	fee-info.pdf	30618 7a20d0dd61a73e940b7f97a8606f4b99b904b99a	no	2
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**Warnings:**

**Information:**

**Total Files Size (in bytes):** 78931

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.

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.

<b>PATENT APPLICATION FEE DETERMINATION RECORD</b> Substitute for Form PTO-875				Application or Docket Number <b>12/973,475</b>		Filing Date <b>12/20/2010</b>		<input type="checkbox"/> To be Mailed			
<b>APPLICATION AS FILED – PART I</b>											
(Column 1)			(Column 2)			SMALL ENTITY <input checked="" type="checkbox"/> OR		OTHER THAN SMALL ENTITY			
FOR		NUMBER FILED	NUMBER EXTRA		RATE (\$)	FEE (\$)	OR		RATE (\$)	FEE (\$)	
<input type="checkbox"/> BASIC FEE <small>(37 CFR 1.16(a), (b), or (c))</small>		N/A	N/A		N/A				N/A		
<input type="checkbox"/> SEARCH FEE <small>(37 CFR 1.16(k), (i), or (m))</small>		N/A	N/A		N/A				N/A		
<input type="checkbox"/> EXAMINATION FEE <small>(37 CFR 1.16(o), (p), or (q))</small>		N/A	N/A		N/A				N/A		
TOTAL CLAIMS <small>(37 CFR 1.16(j))</small>		minus 20 =	*		X \$ =		OR		X \$ =		
INDEPENDENT CLAIMS <small>(37 CFR 1.16(h))</small>		minus 3 =	*		X \$ =				X \$ =		
<input type="checkbox"/> APPLICATION SIZE FEE <small>(37 CFR 1.16(s))</small>		If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 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).									
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENT <small>(37 CFR 1.16(j))</small>											
					TOTAL		OR		TOTAL		
* If the difference in column 1 is less than zero, enter "0" in column 2.											
<b>APPLICATION AS AMENDED – PART II</b>											
(Column 1)			(Column 2)		(Column 3)		SMALL ENTITY OR		OTHER THAN SMALL ENTITY		
AMENDMENT	<b>11/30/2011</b>	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)	OR		RATE (\$)	ADDITIONAL FEE (\$)
	Total <small>(37 CFR 1.16(n))</small>	* 15	Minus	** 20	= 0	X \$30 =	0	OR		X \$ =	
	Independent <small>(37 CFR 1.16(h))</small>	* 2	Minus	***3	= 0	X \$125 =	0	OR		X \$ =	
	<input type="checkbox"/> Application Size Fee <small>(37 CFR 1.16(s))</small>										
	<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <small>(37 CFR 1.16(j))</small>										
					TOTAL ADD'L FEE	<b>0</b>	OR		TOTAL ADD'L FEE		
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)	OR		RATE (\$)	ADDITIONAL FEE (\$)
	Total <small>(37 CFR 1.16(n))</small>	*	Minus	**	=	X \$ =		OR		X \$ =	
	Independent <small>(37 CFR 1.16(h))</small>	*	Minus	***	=	X \$ =		OR		X \$ =	
	<input type="checkbox"/> Application Size Fee <small>(37 CFR 1.16(s))</small>										
	<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <small>(37 CFR 1.16(j))</small>										
					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 number found in the appropriate box in column 1.											
						Legal Instrument Examiner: /THUY TA/					

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.

PTO/SB/80 (11-08)  
 Approved for use through 11/30/2011. OMB 0651-0035  
 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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

**POWER OF ATTORNEY 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(b).

I hereby appoint:

Practitioners associated with the Customer Number: 49,637

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(b).

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

The address associated with Customer Number: 49,637

OR

<input type="checkbox"/> Firm or Individual Name			
Address			
City	State	Zip	
Country			
Telephone			Email

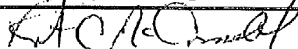
Assignee Name and Address:

Parus Holdings, Inc.  
 3000 Lakeside Dr., Suite 300N  
 Bannockburn, IL 60015

**A copy of this form, together with a statement under 37 CFR 3.73(b) (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(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, 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		Date	11/17/2011
Name	Robert C. McConnell	Telephone	888-387-3481
Title	Chief Financial Officer, Senior Vice President and General Counsel - Parus Holdings, Inc.		

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 1460, Alexandria, VA 22313-1460. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1460, Alexandria, VA 22313-1460.

*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.

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(b)**

Applicant/Patent Owner: Alex Kurganov

Application No./Patent No.: 12/973,475 Filed/Issue Date: December 20, 2010

Titled: ROBUST VOICE BROWSER SYSTEM AND VOICE ACTIVATED DEVICE CONTROLLER

Parus Holdings, Inc., a corporation

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

states that it is:

- 1.  the assignee of the entire right, title, and interest in;
- 2.  an assignee of less than the entire right, title, and interest in (The extent (by percentage) of its ownership interest is \_\_\_\_\_ %); or
- 3.  the assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made)

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 024640, Frame 0433, or for which a copy therefore is attached.

OR

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

1. 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.

2. 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.

3. 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(b)(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.

/Shawn Diedtrich/  
Signature

November 17, 2011  
Date

Shawn Diedtrich, Reg. No. 58,176, Berry & Associates P.C.

Patent Attorney

Printed or Typed Name

Title

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.

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

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
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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.

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	11436176
<b>Application Number:</b>	12973475
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	1928
<b>Title of Invention:</b>	ROBUST VOICE BROWSER SYSTEM AND VOICE ACTIVATED DEVICE CONTROLLER
<b>First Named Inventor/Applicant Name:</b>	Alexander Kurganov
<b>Customer Number:</b>	27433
<b>Filer:</b>	Shawn Diedtrich.
<b>Filer Authorized By:</b>	
<b>Attorney Docket Number:</b>	078616-1054-CON
<b>Receipt Date:</b>	17-NOV-2011
<b>Filing Date:</b>	20-DEC-2010
<b>Time Stamp:</b>	22:34:08
<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

Submitted with Payment	no
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### File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Power of Attorney	PRS-105_Signed_Power_of_Attorney_11-17-11.pdf	439494 a933ad448c6112f6be63e39c24877cfe75ffc ca5	no	2

### Warnings:

### Information:



2	Assignee showing of ownership per 37 CFR 3.73(b).	PRS-105_statement373_11-17-11.pdf	473238	no	2
			3d1a5454ec0d86ada80e8d281d1a9543b6878007		

**Warnings:**

**Information:**

**Total Files Size (in bytes):** 912732

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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.**



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

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO. Includes details for Alexander Kurganov, attorney FOLEY & LARDNER LLP, and examiner MCFADDEN, SUSAN IRIS.

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.

<b>Office Action Summary</b>	<b>Application No.</b> 12/973,475	<b>Applicant(s)</b> KURGANOV ET AL.	
	<b>Examiner</b> SUSAN MCFADDEN	<b>Art Unit</b> 2626	

**-- 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 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, 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 20 December 2010.
- 2a)  This action is **FINAL**.
- 2b)  This action is non-final.
- 3)  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**

- 4)  Claim(s) 1-15 is/are pending in the application.
  - 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5)  Claim(s) \_\_\_\_\_ is/are allowed.
- 6)  Claim(s) 1-15 is/are rejected.
- 7)  Claim(s) \_\_\_\_\_ is/are objected to.
- 8)  Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9)  The specification is objected to by the Examiner.
- 10)  The drawing(s) filed on 20 December 2010 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).
- 11)  The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**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).
  - a)  All    b)  Some \* c)  None of:
  - 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)  Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3)  Information Disclosure Statement(s) (PTO/SB/08)  
 Paper No(s)/Mail Date \_\_\_\_\_.
- 4)  Interview Summary (PTO-413)  
 Paper No(s)/Mail Date. \_\_\_\_\_.
- 5)  Notice of Informal Patent Application
- 6)  Other: \_\_\_\_\_.

## DETAILED ACTION

### *Specification*

1. The abstract of the disclosure is objected to because it is the same as US Patent No. 7,881,941. Correction is required. See MPEP § 608.01(b).

### *Double Patenting*

1. A rejection based on double patenting of the "same invention" type finds its support in the language of 35 U.S.C. 101 which states that "whoever invents or discovers any new and useful process ... may obtain a patent therefor ..." (Emphasis added). Thus, the term "same invention," in this context, means an invention drawn to identical subject matter. See *Miller v. Eagle Mfg. Co.*, 151 U.S. 186 (1894); *In re Ockert*, 245 F.2d 467, 114 USPQ 330 (CCPA 1957); and *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970).

A statutory type (35 U.S.C. 101) double patenting rejection can be overcome by canceling or amending the conflicting claims so they are no longer coextensive in scope. The filing of a terminal disclaimer cannot overcome a double patenting rejection based upon 35 U.S.C. 101.

2. Claims 1-15 are rejected under 35 U.S.C. 101 as claiming the same invention as that of claims 1-15 of prior U.S. Patent No. 7,881,941. This is a double patenting rejection.

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 obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated

by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

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

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

1. Claims 9-15 are rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 26-32 of U.S. Patent No. 7,076,431. Although the conflicting claims are not identical, they are not patentably distinct from each other because they both claim a voice browser that accesses websites and determines and adjust rankings and transmits audio messages to a user.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to SUSAN MCFADDEN whose telephone number is (571)272-7621. The examiner can normally be reached on Monday-Friday, 9:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richemond Dorvil can be reached on 571-272-7602. 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.

/Susan McFadden/  
Primary Examiner, Art Unit 2626  
May 25, 2011

<b>Notice of References Cited</b>	Application/Control No. 12/973,475	Applicant(s)/Patent Under Reexamination KURGANOV ET AL.	
	Examiner SUSAN MCFADDEN	Art Unit 2626	Page 1 of 1

**U.S. PATENT DOCUMENTS**

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A US-			
	B US-			
	C US-			
	D US-			
	E US-			
	F US-			
	G US-			
	H US-			
	I US-			
	J US-			
	K US-			
	L US-			
	M US-			


**FOREIGN PATENT DOCUMENTS**

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

**NON-PATENT DOCUMENTS**

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

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

<b><i>Index of Claims</i></b> 	<b>Application/Control No.</b> 12973475	<b>Applicant(s)/Patent Under Reexamination</b> KURGANOV ET AL.
	<b>Examiner</b> SUSAN MCFADDEN	<b>Art Unit</b> 2626

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

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

CLAIM		DATE								
Final	Original	05/25/2011								
	1	✓								
	2	✓								
	3	✓								
	4	✓								
	5	✓								
	6	✓								
	7	✓								
	8	✓								
	9	✓								
	10	✓								
	11	✓								
	12	✓								
	13	✓								
	14	✓								
	15	✓								



## WEST Search History for Application 12973475

Creation Date: 2011052516:22

### Prior Art Searches

Query	DB	Op.	Plur.	Thes.	Date
kurganov.in.	USPT	OR	YES		05-25-2011
kurganov.in. and voice near browser	USPT	OR	YES		05-25-2011
kurganov.in. and voice near browser and speech near recognition	USPT	OR	YES		05-25-2011
kurganov.in. and voice near browser and speech near (recognition and command)	USPT	OR	YES		05-25-2011
kurganov.in. and voice near browser and speech near (recognition and command) and grammar	USPT	OR	YES		05-25-2011
kurganov.in. and voice near browser and speech near (recognition and command) and grammar and speaker-independent	USPT	OR	YES		05-25-2011
kurganov.in. and (voice near browser and speech near (recognition and command) and grammar and speaker-independent).clm.	USPT	OR	YES		05-25-2011
kurganov.in. and voice near browser and( speech near (recognition and command) and grammar and speaker-independent).clm.	USPT	OR	YES		05-25-2011
kurganov.in. and voice near browser and( speech near (recognition and command) and grammar and speaker-independent).clm. and rankings	USPT	OR	YES		05-25-2011
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voice near browser and( speech near (recognition and command) and grammar and speaker-independent and rankings).clm.	USPT	OR	YES		05-25-2011
voice near browser and( speech near (recognition and command) and grammar and speaker-independent and rankings).clm.	PGPB	OR	YES		05-25-2011




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## BIB DATA SHEET

CONFIRMATION NO. 1928

SERIAL NUMBER	FILING or 371(c) DATE RULE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.		
12/973,475	12/20/2010	704	2626	078616-1054-CON		
<b>APPLICANTS</b> Alexander Kurganov, Buffalo Grove, IL; Valery Zhukoff, Deerfield, IL;						
<b>** CONTINUING DATA *****</b> This application is a CON of 12/030,556 02/13/2008 PAT 7,881,941 which is a CON of 11/409,703 04/24/2006 PAT 7,386,455 which is a CON of 10/821,690 04/09/2004 PAT 7,076,431 which is a CON of 09/776,996 02/05/2001 PAT 6,721,705 which claims benefit of 60/180,344 02/04/2000 and claims benefit of 60/233,068 09/15/2000						
<b>** FOREIGN APPLICATIONS *****</b>						
<b>** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** ** SMALL ENTITY **</b> 01/05/2011						
Foreign Priority claimed <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	35 USC 119(a-d) conditions met <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Met after Allowance	<b>STATE OR COUNTRY</b>	<b>SHEETS DRAWINGS</b>	<b>TOTAL CLAIMS</b>	<b>INDEPENDENT CLAIMS</b>
Verified and Acknowledged	/SUSAN IRIS MCFADDEN/ Examiner's Signature	Initials	IL	4	15	2
<b>ADDRESS</b> FOLEY & LARDNER LLP 321 NORTH CLARK STREET SUITE 2800 CHICAGO, IL 60654-5313 UNITED STATES						
<b>TITLE</b> ROBUST VOICE BROWSER SYSTEM AND VOICE ACTIVATED DEVICE CONTROLLER						
<b>FILING FEE RECEIVED</b> 462	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:		<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit			

<b>Search Notes</b> 	<b>Application/Control No.</b> 12973475	<b>Applicant(s)/Patent Under Reexamination</b> KURGANOV ET AL.
	<b>Examiner</b> SUSAN MCFADDEN	<b>Art Unit</b> 2626

<b>SEARCHED</b>			
<b>Class</b>	<b>Subclass</b>	<b>Date</b>	<b>Examiner</b>

<b>SEARCH NOTES</b>		
<b>Search Notes</b>	<b>Date</b>	<b>Examiner</b>
Searched WEST	5-25-11	SM

<b>INTERFERENCE SEARCH</b>			
<b>Class</b>	<b>Subclass</b>	<b>Date</b>	<b>Examiner</b>

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Substitute for form 1449/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		<b>Application Number</b>	12/973,475
		<b>Filing Date</b>	12/20/2010
Date Submitted: May 12, 2011		<b>First Named Inventor</b>	Alexander Kurganov
		<b>Art Unit</b>	2626
(use as many sheets as necessary)		<b>Examiner Name</b>	MCFADDEN, Susan Iris
		<b>Attorney Docket Number</b>	078616-1054-CON
Sheet	1	of	1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US 5,359,598	10-25-1994	Steagall et al.	
		US 5,630,079	05-13-1997	McLaughlin	

UNPUBLISHED U.S. PATENT APPLICATION DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Application Document	Filing Date of Cited Document MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Serial Number-Kind Code <sup>2</sup> (if known)			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

NON PATENT LITERATURE DOCUMENTS			
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Examiner Signature	/Susan Mcfadden/	Date Considered	05/25/2011
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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.M./

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		<b>Application Number</b>	To Be Assigned
Date Submitted: December 20, 2010		<b>Filing Date</b>	Herewith
(use as many sheets as necessary)		<b>First Named Inventor</b>	Alexander Kurganov
Sheet 1 of 12		<b>Art Unit</b>	Unassigned
		<b>Examiner Name</b>	Unassigned
		<b>Attorney Docket Number</b>	078616-1054-CON

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
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Examiner Signature	/Susan Mcfadden/	Date Considered	05/25/2011
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Date Submitted: December 20, 2010				<b>Filing Date</b>	Herewith
(use as many sheets as necessary)				<b>First Named Inventor</b>	Alexander Kurganov
<b>Sheet</b>	2	of	12	<b>Art Unit</b>	Unassigned
				<b>Examiner Name</b>	Unassigned
				<b>Attorney Docket Number</b>	078616-1054-CON

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	US 5,020,095	05-28-1991	Morganstein et al.	
	US 5,027,384	06-25-1991	Morganstein	

<b>Examiner Signature</b>	/Susan Mcfadden/	<b>Date Considered</b>	05/25/2011
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		<b>Filing Date</b>	Herewith
Date Submitted: December 20, 2010 <i>(use as many sheets as necessary)</i>		<b>First Named Inventor</b>	Alexander Kurganov
		<b>Art Unit</b>	Unassigned
Sheet 3 of 12		<b>Examiner Name</b>	Unassigned
		<b>Attorney Docket Number</b>	078616-1054-CON

U.S. PATENT DOCUMENTS			
	Document Number		
	US 5,029,196	07-02-1991	Morganstein
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		<b>Attorney Docket Number</b>	078616-1054-CON
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				<b>Examiner Name</b>	Unassigned
				<b>Attorney Docket Number</b>	078616-1054-CON

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				<b>Attorney Docket Number</b>	078616-1054-CON

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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	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 <sup>6</sup>
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		<b>Application Number</b>	To Be Assigned
Date Submitted: December 20, 2010		<b>Filing Date</b>	Herewith
(use as many sheets as necessary)		<b>First Named Inventor</b>	Alexander Kurganov
		<b>Art Unit</b>	Unassigned
		<b>Examiner Name</b>	Unassigned
		<b>Attorney Docket Number</b>	078616-1054-CON
Sheet	9	of	12

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		DAX Systems, Inc., Press Release, "Speech Recognition Success in DAX's Grasp", Nov. 22, 1995, pp. 1-2, Pine Brook, NJ.	
		Defendants Answer to the Amended Complaint and Demand for Jury Trial, <u>Parus Holdings, Inc. v. Web Telephone LLC &amp; Robert Swartz</u> , Case No. 06-cv-01146 (N.D. Ill.), August 10, 2006, 14 pages.	
		Faxpak Store and Forward Facsimile Transmission Service", Electrical Communication, vol. 54 (3), 1979, pp. 251-55.	
		GARCIA ET AL., "Issues in Multimedia Computer-Based Message Systems Design and Standardization", NATO ASI Series, vol. 1-6, 1984, 18 pgs.	
		"GLOBECOM '85 IEEE Global Telecommunications Conference, "New Orleans, LA., December 2-5, 1985, pp. 1295-1300.	
		HEMPHILL et al., "Speech-Aware Multimedia," <i>IEEE MultiMedia</i> , Spring 1996, Vol. 3, No. 1, pp. 74-78, IEEE. As indicated on the cover page of the journal, a copy of which is attached hereto as Attachment 4, the reference was received by Cornell University on March 25, 1996.	
		HUNT et al., "Long-Distance Remote Control to the Rescue", Chicago Tribune, June 15, 2002, Section 4, page 15.	
		"Introducing PIC SuperFax, First PC/Fax System to Run Under Windows", Pacific Image Communications, Pasadena, CA, Date Unknown, (received at COMDEX show, Nov. 3, 1987). 4 pgs.	
		"Juggler by PureSpeech", p. 1, available at <a href="http://members.aol.com/compqanda1/juggler.html">http://members.aol.com/compqanda1/juggler.html</a> (accessed on December 8, 2006).	
		KUBALA et al., "BYBLOS Speech Recognition Benchmark Results", <i>Workshop on Speech &amp; Natural Language</i> , February 19-22, 1991. According to the web site <a href="http://portal.acm.org/citation.cfm?id=112405.112415&amp;coll...">http://portal.acm.org/citation.cfm?id=112405.112415&amp;coll...</a> , attached hereto as Attachment 3, the reference was published in 1991, Morgan Kaufman Publishers, San Francisco, CA. The distribution date is not presently known.	
		LY, "Chatter: A Conversational Telephone Agent", submitted to Program in Media Arts & Sciences, MIT, 1993, pp. 1-130.	

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		MAEDA, et al., "An Intelligent Customer-Controlled Switching System", IEEE Global Telecommunications Conference, Hollywood, Florida, Nov. 28-Dec. 1, 1988, pp. 1499-1503.	
		MARKOWITZ, J., "The Ultimate Computer Input Device May Be Right Under Your Nose", <i>Byte</i> , December, 1995, pp. 1-13, available at <a href="http://www.byte.com/art/9512/sec8/art1.htm">www.byte.com/art/9512/sec8/art1.htm</a> (accessed Mar. 15, 2005).	
		MARX et al., "Mail Call: Message Presentation and Navigation in a Nonvisual Environment," <i>SIGCHI Conference on Human Factors in Computing Systems</i> , Vancouver, B.C., Canada, April 13-18, 1996. As shown on Attachment 2, the web site <a href="http://www.usabilityviews.com/uv001673.html">http://www.usabilityviews.com/uv001673.html</a> shows a date of April 16, 1996. The distribution date is not presently known.	
		MARX, M., "Toward Effective Conversational Messaging" (Thesis). As indicated on the cover page, the thesis was presented to the Departmental Committee on Graduate Students, Program in Media Arts and Sciences, School of Architecture and Planning, Massachusetts Institute of Technology on May 12, 1995. According to the web site <a href="http://www.thesis.mit.edu/Dienst/Repository/2.0/Body/0018.mit.theses/1995-314/rfc1807bib">http://www.thesis.mit.edu/Dienst/Repository/2.0/Body/0018.mit.theses/1995-314/rfc1807bib</a> , attached hereto as Attachment 1, the thesis was indexed on March 21, 2000.	
		OYE, Phil, "Juggler", p. 1, available at <a href="http://www.philove.com/work/juggler/index.shtml">http://www.philove.com/work/juggler/index.shtml</a> (accessed on December 8, 2006).	
		OYE, Phil, "Juggler", p. 1, available at <a href="http://www.philoye.com/work/juggler_2.shtml">http://www.philoye.com/work/juggler_2.shtml</a> (accessed on December 8, 2006).	
		OYE, Phil, "Juggler", p. 1, available at <a href="http://www.philoye.com/work/juggler_3.shtml">http://www.philoye.com/work/juggler_3.shtml</a> (accessed on December 8, 2006).	
		PERDUE et al., "Conversant® 1 Voice System: Architecture and Applications", July 17, 1986, AT&T Technical Journal, pp. 1-14.	
		Plaintiff Parus Holdings, Inc.'s Supplemental Responses to Defendant Web Telephone LLC's First Set of Interrogatories (Nos. 1-12), <i>Parus Holdings, Inc. v. Web Telephony LLC Y Robert Swartz</i> , Case No. 06-cv-01146 (N.D. Ill.), October 31, 2006, 32 pages.	
		Plaintiff Parus Holdings, Inc.'s Supplemental Responses to Defendant Web Telephony LLC's Second Set of Interrogatories (Nos. 13-17), <i>Parus Holdings, Inc. v. Web Telephony LLC &amp; Robert Swartz</i> , Case No. 06-cv-01146 (N.D. Ill.), October 31, 2006, 31 pages.	

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Sheet 11 of 12		<b>Examiner Name</b>	Unassigned
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		Print outs of Internet web site, "Wildfire Communications, Inc.," November 5, 1997, including print outs of the following web pages: http://www.wildfire.com (1 pg); http://www.wildfire.com/consumerhome.html (2 pgs.); http://www.wildfire.com/106.html (2 pgs.); http://www.wildfire.com/carrierhome.html (2 pgs.); http://www.wildfire.com/sfandb.html (3 pgs); http://www.wildfire.com/about.html (1 pg.); http://www.wildfire.com/abtmgmt.html (3 pgs); http://www.wildfire.com/scoop.html (2 pgs.); and http://www.wildfire.com/intel.html (1 pg.); and http://www.wildfire.com/msft.html (2 pgs).	
		"Proceedings of the IFIP World Computer Congress", Dublin, Ireland, September 1-5, 1986.	
		"PureSpeech Announces Juggler PC System for First Quarter of 1997", HighBeam Research, September 19, 1996, pp. 1-3, available at <a href="http://www.highbeam.com/doc/1G1-186909545.html">http://www.highbeam.com/doc/1G1-186909545.html</a> (accessed on December 8, 2006).	
		"PureSpeech's Juggler", Teleconnect, December 1996 issue, p. 36.	
		PureSpeech, "Meet the Voice of Juggler!", pp. 1-3, the date of November 18, 1996 is shown at the top of Page 1.	
		ROSS, randy, "Retrieve E-mail from a Telephone", October 7, 1996, pp. 1-2, available at <a href="http://resna.org/ProfessOrg?Sigs?SIGSites/sig11/archive/juggler.htm">http://resna.org/ProfessOrg?Sigs?SIGSites/sig11/archive/juggler.htm</a> (accessed on December 8, 2006). Printout indicates that the article was originally printed in PC World.	
		SARTORI, M., "Speech Recognition", April 1995, pp. 1-9, Mercury Communications, available at <a href="http://www.gar.co.uk/technology_watch/speech.htm">www.gar.co.uk/technology_watch/speech.htm</a> (accessed Mar. 15, 2005).	

Examiner Signature	/Susan Mcfadden/	Date Considered	05/25/2011
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		"The VMX Systems Product Reference Manual: Product Description Volume", May 1994, vol. 1, release 7.1, VMX, Inc. (Octel Communications Corp.) San jose, CA USA	
		"VMXworks Product Reference Manual: Volume 3 Programmer's Guide", July 1994, vols. 3 & 4, Release 3.1, Octel Communications corp., Milpitas, CA, USA.	
		"Wildfire Communication, Inc.", Harvard Business School, March 21, 1996, Publ. No. 9-396-305, pp. 1-22.	
		"WordPerfect: New Telephony Features Boost Office", WordPerfect Office TechBrief, 1994, Info-World Publishing. Co., vol. 10, Issue 2, pp. 2-3.	
		YANG, C., "INETPhone - Telephone Services and Servers on the Internet", April 1995, University of North Texas, pp. 1-6.	

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		<b>Filing Date</b>	12/20/2010
Date Submitted: May 12, 2011		<b>First Named Inventor</b>	Alexander Kurganov
		<b>Art Unit</b>	2626
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		US 5,359,598	10-25-1994	Steagall et al.	
		US 5,630,079	05-13-1997	McLaughlin	

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<b>International Application Number:</b>	
<b>Confirmation Number:</b>	1928
<b>Title of Invention:</b>	ROBUST VOICE BROWSER SYSTEM AND VOICE ACTIVATED DEVICE CONTROLLER
<b>First Named Inventor/Applicant Name:</b>	Alexander Kurganov
<b>Customer Number:</b>	27433
<b>Filer:</b>	Scott Richard Kaspar/Sherry Cunningham
<b>Filer Authorized By:</b>	Scott Richard Kaspar
<b>Attorney Docket Number:</b>	078616-1054-CON
<b>Receipt Date:</b>	12-MAY-2011
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<b>Information:</b>		
<b>Total Files Size (in bytes):</b>	150015	
<p><b>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.</b></p> <p><b><u>New Applications Under 35 U.S.C. 111</u></b>  <b>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.</b></p> <p><b><u>National Stage of an International Application under 35 U.S.C. 371</u></b>  <b>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.</b></p> <p><b><u>New International Application Filed with the USPTO as a Receiving Office</u></b>  <b>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.</b></p>		

***IN THE UNITED STATES PATENT AND TRADEMARK OFFICE***

Applicant: Alexander Kurganov et al.

Title: ROBUST VOICE BROWSER  
SYSTEM AND VOICE  
ACTIVATED DEVICE  
CONTROLLER

***Filed Via EFS-Web  
May 12, 2011***

Appl. No.: 12/973,475

Filing Date: 12/20/2010

Examiner: MCFADDEN, Susan Iris

Art Unit: 2626

Confirmation 1928  
Number:

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

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

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), before the mailing date of the first Office Action on the merits.

**RELEVANCE OF EACH DOCUMENT**

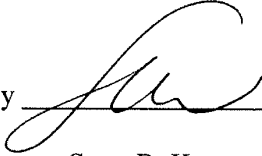
All of the documents are in English.

Applicants respectfully request that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

Although Applicant believes that no fee is required, the Commissioner is hereby authorized to charge any additional fees which may be due to Deposit Account No. 19-0741.

Respectfully submitted,

Date May 12, 2011

By  \_\_\_\_\_

FOLEY & LARDNER LLP  
Customer Number: 27433  
Telephone: (312) 832-5113  
Facsimile: (312) 832-4700

Scott R. Kaspar  
Attorney for Applicant  
Registration No. 54,583



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

Table with 4 columns: APPLICATION NUMBER (12/973,475), FILING OR 371(C) DATE (12/20/2010), FIRST NAMED APPLICANT (Alexander Kurganov), ATTY. DOCKET NO./TITLE (078616-1054-CON)

CONFIRMATION NO. 1928

27433
FOLEY & LARDNER LLP
321 NORTH CLARK STREET
SUITE 2800
CHICAGO, IL 60654-5313

PUBLICATION NOTICE



Title: ROBUST VOICE BROWSER SYSTEM AND VOICE ACTIVATED DEVICE CONTROLLER

Publication No. US-2011-0091023-A1

Publication Date: 04/21/2011

NOTICE OF PUBLICATION OF APPLICATION

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

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

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

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

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

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



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
12/973,475	12/20/2010	Alexander Kurganov	078616-1054-CON

**CONFIRMATION NO. 1928**

**POA ACCEPTANCE LETTER**

27433  
FOLEY & LARDNER LLP  
321 NORTH CLARK STREET  
SUITE 2800  
CHICAGO, IL 60654-5313



Date Mailed: 01/31/2011

**NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY**

This is in response to the Power of Attorney filed 01/21/2011.

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.

/s/brahim/

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***

Applicant: Alexander Kurganov *et al.*

Title: ROBUST VOICE BROWSER  
SYSTEM AND VOICE  
ACTIVATED DEVICE  
CONTROLLER

Appl. No.: 12/973,475

Filing Date: 12/20/2010

Examiner: TBD

Art Unit: 2447

Confirmation Number: 1928

**POWER OF ATTORNEY OR AUTHORIZATION OF AGENT BY ASSIGNEE  
AND CHANGE OF CORRESPONDENCE ADDRESS**

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

Sir:

Parus Holdings, Inc., a corporation duly organized and existing under the laws of the State of Delaware, and having its principal place of business at 3000 Lakeside Drive, Suite 300N, Bannockburn, Illinois 60015 is the Assignee and owner of the entire right, title, and interest in and to the above-identified patent application.

Assignee hereby appoints the registered attorneys and agents at Customer Number:

**27433**

as its principal attorneys to have full power to prosecute this application and any continuations, divisions, reissues, and reexaminations thereof, to receive the patent, to transact all business in the United States Patent and Trademark Office connected therewith, and to have full power of



substitution, association, and revocation, including the power to revoke the power of attorney of any associate attorney.

Please direct all future correspondence concerning this application to:

S. Z. Szczepanski  
Scott R. Kaspar  
FOLEY & LARDNER LLP  
Customer Number: 27433

Telephone: (312) 832-5113  
Facsimile: (312) 832-4700

Executed this 20th day of January, 2011.

PARUS HOLDINGS, INC.

By:



\_\_\_\_\_  
(Signature)

Robert C. McConnell

\_\_\_\_\_  
(Printed Name)

Chief Financial Officer, Senior Vice President  
and General Counsel

\_\_\_\_\_  
(Title)

**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Alexander Kurganov et al.

Application No.: 12/973,475 Filed: 12/20/2010

Patent No.: \_\_\_\_\_ Issue Date: \_\_\_\_\_

Docket Number: 078616-1054-CON

Entitled: ROBUST VOICE BROWSER SYSTEM AND VOICE ACTIVATED DEVICE  
CONTROLLER

Parus Holdings, Inc. Corporation

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

states that it is:

1.  the assignee of the entire right, title, and interest; or
2.  an assignee of less than the entire right, title, and interest  
The extent (by percentage) of its ownership interest is %

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 ASSMT\_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: Inventors: Kurganov & Zukhoff To: Webley Systems

The document was recorded in the United States Patent and Trademark Office at Reel 011795, Frame 0293, or for which a copy thereof is attached.

2. From: Webley Systems, Inc. (Delaware) To: Parus Holdings, Inc.

The document was recorded in the United States Patent and Trademark Office at Reel 023471, Frame 0444, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_

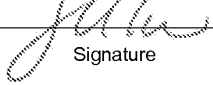
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title are attached.

**[NOTE]:** A separate copy (i.e., a true copy of the original document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded 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.

 _____ Signature	_____ January 21, 2011 Date
_____ Scott R. Kaspar Printed or Typed Name	_____ (312) 832-5113 Telephone Number
_____ Title	

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 1.14. 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.

ASSIGNMENT

WHEREAS, We, Alexander Kurganov and Valery Zhukoff have invented certain new and useful improvements in the following: **Robust Voice Browser System and Voice Activated Device Controller** for which we have made application for United States Letters Patent, and,

WHEREAS, Assignee, **Webley Systems, Inc.**, a corporation organized and existing under the laws of Illinois, having its principal place of business at **570 Lake Cook Road, Suite 406, Deerfield, IL 60015** (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring our entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we do hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives the entire right, title and interest in and to said invention and in and to said applications and all patents which may be granted therefore, and all provisionals, divisions, reissues, substitutions, continuations, continuation-in-part and extensions thereof, and we hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to the said ASSIGNEE of our entire right, title and interest.

We also hereby sell and assign to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said applications throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and

We further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

We hereby further agree that we will communicate to said ASSIGNEE, or its successors, assigns and legal representatives, any facts known to us respecting any improvements; and, at the expense of said ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make all lawful oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

We further authorize and direct our attorneys to insert below\* the serial number and filing date of said application now identified as Case Docket No. 47242-00027 as soon as the same shall have been made known to them by the United States Patent Office.

\*Serial Number: 09/776,996  
Filing Date: February 5, 2001



IN WITNESS WHEREOF, I have hereunto set my hand and seal this 4<sup>th</sup> day of May, 2001.

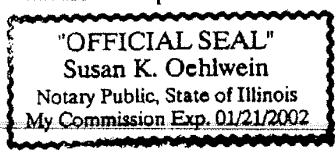
Valery Zhukoff  
Name: Valery Zhukoff  
Address: 821 Rosemary Terrace  
Deerfield, IL 60015

STATE OF Illinois )  
COUNTY OF Lake ) ss.

On this 4<sup>th</sup> day of May, 2001, before me, a Notary Public in and for the State and County aforesaid, personally appeared, known by me to be the person of the above name who signed and sealed the foregoing instrument, and acknowledged the same to be his own free act and deed.

Susan K. Oehlwein  
Notary Public  
My Commission Expires:

[seal]



## ASSIGNMENT AND ASSUMPTION AGREEMENT

ASSIGNMENT AND ASSUMPTION AGREEMENT dated as of February 24, 2004 (this "Agreement"), between Webley Systems, Inc., a Delaware corporation ("Assignor"), and Parus Holdings, Inc., a Delaware corporation ("Assignee").

### WITNESSETH:

WHEREAS Assignor is a wholly owned subsidiary of Assignee and Assignor intends to relinquish its corporate existence by dissolving; and

WHEREAS, in connection with such dissolution, Assignor desires to transfer, assign and distribute to Assignee, and Assignee agrees to assume, all of Assignor's rights, title and interest in and to all of Assignor's assets, claims, obligations and liabilities; including, but not limited to, Assignor's (i) tangible personal property, leasehold improvements, machinery, equipment, furniture, furnishings and all its right, title and interest in its operating assets; (ii) all current, contingent, conditional or unmatured claims known to Assignor; (iii) all claims against Assignor which are the subject of pending actions, suits or proceedings to which Assignor is a party; and (iv) all claims that have not been made known to Assignor or that have not arisen but that, based on facts known to Assignor, are likely, in the judgment of the Board of Directors of Assignor, to arise or to become known to Assignor within ten years after the date of dissolution (the "Assets and Liabilities"), in exchange for the return by Assignee and the redemption and cancellation by Assignor of all of the outstanding capital stock of Assignor.

NOW, THEREFORE, in consideration of the mutual covenants and undertakings contained herein, and subject to and on the terms and conditions herein set forth, the parties hereto agree as follows:

1. Assignment. Assignor hereby irrevocably transfers, assigns and distributes to Assignee, its successors and assigns, all of its right, title and interest in and to the Assets and Liabilities.
2. Assumption. Assignee hereby accepts such transfer, assignment and distribution of all of Assignor's right, title and interest in and to the Assets and Liabilities.
3. Effective time. The transfer, assignment and distribution by Assignor, and the acceptance thereof by Assignee, of the Assets and Liabilities, pursuant to this Agreement, shall be effective as of the date hereof.
4. Non-contravention. The consent of one or more third parties may be required to effect Assignor's transfer, assignment and distribution to Assignee of certain Assets and Liabilities. The execution of this Agreement shall not be interpreted, and is not intended to be interpreted, as any action taken by Assignor that would be contrary to the terms and conditions of any contract or other agreement requiring the consent of any third party to such transfer, assignment or distribution. Assignee and Assignor shall fully

cooperate with each other in an attempt to obtain such consents, as set forth in this Agreement.

5. Amendment. This Agreement may be amended, modified or supplemented, and any provision hereof may be waived, only by written agreement of the parties hereto.

6. Waivers. Any failure of a party to comply with any obligation, agreement or condition herein may be waived by the other party; provided, that any such waiver may be made only by a written instrument signed by the party granting such waiver, but such waiver or failure to insist upon strict compliance with such obligation, agreement or condition shall not operate as a waiver of, or estoppel with respect to, any subsequent or other failure; and provided further that no waiver by a party hereto of any breach or default by the other party under this Agreement shall be deemed a waiver of any other previous breach or default or any thereafter occurring.

7. Entire Agreement. This Agreement, together with the Joint Action by Directors and Sole Stockholder of Webley Systems, Inc. approving the Dissolution of Webley Systems, Inc., the Certificate of Dissolution of Webley Systems, Inc. and the Plan of Dissolution of Webley Systems, Inc. (the "Webley Dissolution Documents"), embody the entire understanding of the parties hereto in respect of the subject matter contained herein and supersede all prior agreements and understandings between the parties with respect to such subject matter.

8. Headings. The headings contained in this Agreement are for reference purposes only and shall not limit or otherwise affect the meaning or interpretation of this Agreement.

9. Governing Law. This Agreement shall be construed and enforced in accordance with, and the rights of the parties shall be governed by, the laws of The State of Delaware without reference to its principles of conflict of law.

10. Severability. If any one or more provisions contained in this Agreement, or the application of such provision to any person or circumstance, shall, for any reason, be held to be invalid, illegal or unenforceable in any respect, such invalidity, illegality or unenforceability shall not affect any other provision hereof, and this Agreement shall be construed as if such invalid, illegal or unenforceable provision had never been contained herein.

11. No Third-Party Beneficiaries. This Agreement is not intended and shall not be deemed to confer upon or give any person except the parties hereto and the parties to any assigned contracts in the Assets and Liabilities and their respective successors and permitted assigns any remedy, claim, liability, reimbursement, cause of action or other right under or by reason of this Agreement.

12. Assignment. This Agreement shall not be assigned by either party hereto without the prior written consent of the other party, such consent not to be unreasonably

withheld. Any purported assignment of this Agreement other than in accordance with this paragraph 12 shall be null and void and of not force or effect.

13. Counterparts. This Agreement may be executed in two or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument and shall become a binding Agreement when one or more of the counterparts have been signed by each of the parties and delivered to the other party.

*[this space intentionally left blank]*



IN WITNESS WHEREOF, the parties hereto have caused this Assignment and Assumption Agreement to be executed by their respective officers thereunto duly authorized as of the day and year first above written.

WEBLEY SYSTEMS, INC.

By: 

Name: Taj Reneau

Title: President

PARUS HOLDINGS, INC.

By: 

Name: Taj Reneau

Title: Chief Executive Officer

*Signature Page: Assignment and Assumption Agreement*

TRA 1886077v1

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	9282513
<b>Application Number:</b>	12973475
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	1928
<b>Title of Invention:</b>	ROBUST VOICE BROWSER SYSTEM AND VOICE ACTIVATED DEVICE CONTROLLER
<b>First Named Inventor/Applicant Name:</b>	Alexander Kurganov
<b>Customer Number:</b>	27433
<b>Filer:</b>	Scott Richard Kaspar/Jeanna-marie Oleksy
<b>Filer Authorized By:</b>	Scott Richard Kaspar
<b>Attorney Docket Number:</b>	078616-1054-CON
<b>Receipt Date:</b>	21-JAN-2011
<b>Filing Date:</b>	20-DEC-2010
<b>Time Stamp:</b>	17:31:02
<b>Application Type:</b>	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.pdf	392560 818df93b7511440713baeb2b9adac5f28d690216	yes	10

Multipart Description/PDF files in .zip description		
Document Description	Start	End
Power of Attorney	1	2
Assignee showing of ownership per 37 CFR 3.73(b).	3	10
<b>Warnings:</b>		
<b>Information:</b>		
<b>Total Files Size (in bytes):</b>		392560
<p><b>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.</b></p> <p><b><u>New Applications Under 35 U.S.C. 111</u></b>  <b>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.</b></p> <p><b><u>National Stage of an International Application under 35 U.S.C. 371</u></b>  <b>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.</b></p> <p><b><u>New International Application Filed with the USPTO as a Receiving Office</u></b>  <b>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.</b></p>		

**PATENT APPLICATION FEE DETERMINATION RECORD**

Substitute for Form PTO-875

Application or Docket Number  
12/973,475

**APPLICATION AS FILED - PART I**

(Column 1)		(Column 2)	SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE(\$)	FEE(\$)		RATE(\$)	FEE(\$)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	82		N/A	
SEARCH FEE (37 CFR 1.16(k), (j), or (m))	N/A	N/A	N/A	270		N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	110		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	15 minus 20 = *	*	x 26 =	0.00	OR		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	2 minus 3 =	*	x 110 =	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 \$270 (\$135 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	462		TOTAL	

**APPLICATION AS AMENDED - PART II**

(Column 1)		(Column 2)	(Column 3)	SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)	ADDITIONAL FEE(\$)
	Total (37 CFR 1.16(i))	* Minus **	**	=	x =	OR	x =	
	Independent (37 CFR 1.16(h))	* Minus ***	***	=	x =	OR	x =	
	Application Size Fee (37 CFR 1.16(s))					OR		
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					OR		
			TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE		
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)	ADDITIONAL FEE(\$)
	Total (37 CFR 1.16(i))	* Minus **	**	=	x =	OR	x =	
	Independent (37 CFR 1.16(h))	* Minus ***	***	=	x =	OR	x =	
	Application Size Fee (37 CFR 1.16(s))					OR		
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					OR		
			TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE		

\* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.  
 \*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".  
 \*\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".  
 The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1.



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
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Table with 7 columns: APPLICATION NUMBER, FILING or 371(c) DATE, GRP ART UNIT, FIL FEE REC'D, ATTY DOCKET NO, TOT CLAIMS, IND CLAIMS. Row 1: 12/973,475, 12/20/2010, 2447, 462, 078616-1054-CON, 15, 2

CONFIRMATION NO. 1928

FILING RECEIPT



27433
FOLEY & LARDNER LLP
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CHICAGO, IL 60654-5313

Date Mailed: 01/07/2011

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

Applicant(s)

Alexander Kurganov, Buffalo Grove, IL;
Valery Zhukoff, Deerfield, IL;

Assignment For Published Patent Application

Parus Holdings, Inc.

Power of Attorney: None

Domestic Priority data as claimed by applicant

This application is a CON of 12/030,556 02/13/2008
which is a CON of 11/409,703 04/24/2006 PAT 7,386,455
which is a CON of 10/821,690 04/09/2004 PAT 7,076,431
which is a CON of 09/776,996 02/05/2001 PAT 6,721,705
which claims benefit of 60/180,344 02/04/2000
and claims benefit of 60/233,068 09/15/2000

Foreign Applications

If Required, Foreign Filing License Granted: 01/05/2011

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is US 12/973,475

Projected Publication Date: 04/21/2011

Non-Publication Request: No

Early Publication Request: No

\*\* SMALL ENTITY \*\*

**Title**

ROBUST VOICE BROWSER SYSTEM AND VOICE ACTIVATED DEVICE CONTROLLER

**Preliminary Class**

709

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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.

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
12/973,475	12/20/2010	Alexander Kurganov	078616-1054-CON

**CONFIRMATION NO. 1928**

**IMPROPER CPOA LETTER**

27433  
FOLEY & LARDNER LLP  
321 NORTH CLARK STREET  
SUITE 2800  
CHICAGO, IL 60654-5313



Date Mailed: 01/07/2011

**NOTICE REGARDING POWER OF ATTORNEY**

This is in response to the Power of Attorney filed 12/20/2010. The Power of Attorney in this application is not accepted for the reason(s) listed below:

- The Power of Attorney you provided did not comply with the new Power of Attorney rules that became effective on June 25, 2004. See 37 CFR 1.32.

/tnguyen/

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**

Applicant: Alexander Kurganov et al.

Title: ROBUST VOICE BROWSER  
SYSTEM AND VOICE  
ACTIVATED DEVICE  
CONTROLLER

*Filed Via EFS-Web  
December 20, 2010*

Prior Appl. No.: 12/030,556

Prior Appl.  
Filing Date: 2/13/2008

Examiner: Unassigned

Art Unit: Unassigned

**CONTINUING PATENT APPLICATION**  
**TRANSMITTAL LETTER**

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

Sir:

Transmitted herewith for filing under 37 C.F.R. § 1.53(b) is a:

Continuation    Division    Continuation-In-Part (CIP)

of the above-identified copending prior application in which no patenting, abandonment, or termination of proceedings has occurred. Priority to the above-identified prior application is hereby claimed under 35 U.S.C. § 120 for this continuing application. The entire disclosure of the above-identified prior application is considered as being part of the disclosure of the accompanying continuing application and is hereby incorporated by reference therein.

Applicant claims small entity status under 37 CFR 1.27.

Enclosed are:

- Application Cover Page, Description, Claim(s), and Abstract (45 pages).
- Formal drawings (4 sheets, Figures 1, 2, 3, 4, 5).
- Declaration and Power of Attorney (4 pages).
- Information Disclosure Statement (2 pages).
- Form PTO SB/08 (12 pages)
- Application Data Sheet (37 CFR 1.76) (3 pages).

The adjustment to the number of sheets for EFS-Web filing follows:

Number of Sheets		EFS-Web Adjustment	Number of Sheets for EFS-Web
49	x	75%	37

The filing fee is calculated below:

	Number Filed	Included in Basic Fee	Extra	Rate	Fee Totals
Basic Filing Fee				\$330.00 =	\$330.00
Search Fee Examination Fee				\$540.00 =	\$540.00
Size Fee	37	- 100	= 0	x \$270.00	\$0.00
Total	15	- 20	= 0	x \$52.00 =	\$0.00
Claims:					
Independents	2	- 3	= 0	x \$220.00 =	\$0.00
:					
If any Multiple Dependent Claim(s) present:				+ \$390.00 =	\$0.00
Surcharge under 37 CFR 1.16(e) for late filing of Executed Declaration or late payment of filing fee				+ \$130.00 =	\$0.00
				SUBTOTAL: =	\$1090.00
<input checked="" type="checkbox"/> Small Entity Fees Apply (subtract 1/2 of above):				=	\$545.00
Basic Filing Fee Reduction for Filing via EFS-Web				=	\$83.00
				TOTAL FILING FEE: =	\$462.00
Assignment Recordation Fee:				+ \$40.00 =	\$0.00

Processing Fee under 37 CFR 1.17(i) for Late Filing + of English Translation of Application:	\$130.00	=	\$0.00
TOTAL FEE		=	\$462.00


The above-identified fees of \$462.00 are being paid by credit card via EFS-Web.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by the credit card payment instructions in EFS-Web being incorrect or absent, resulting in a rejected or incorrect credit card transaction, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Please direct all correspondence to the undersigned attorney or agent at the address indicated below.

Respectfully submitted,

Date December 20, 2010

By 

FOLEY & LARDNER LLP  
Customer Number: 27433  
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Scott R. Kaspar  
Attorney for Applicant  
Registration No. 54,583

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Alexander Kurganov et al.

Title: ROBUST VOICE BROWSER  
SYSTEM AND VOICE  
ACTIVATED DEVICE  
CONTROLLER

*Filed Via EFS-Web  
December 20, 2010*

Prior Appl. No.: 12/030,556

Prior Appl.  
Filing Date: 2/13/2008

Examiner: Unassigned

Art Unit: Unassigned

**CONTINUING PATENT APPLICATION**  
**TRANSMITTAL LETTER**

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

Sir:

Transmitted herewith for filing under 37 C.F.R. § 1.53(b) is a:

Continuation    Division    Continuation-In-Part (CIP)

of the above-identified copending prior application in which no patenting, abandonment, or termination of proceedings has occurred. Priority to the above-identified prior application is hereby claimed under 35 U.S.C. § 120 for this continuing application. The entire disclosure of the above-identified prior application is considered as being part of the disclosure of the accompanying continuing application and is hereby incorporated by reference therein.

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- Application Data Sheet (37 CFR 1.76) (3 pages).

The adjustment to the number of sheets for EFS-Web filing follows:

Number of Sheets		EFS-Web Adjustment	Number of Sheets for EFS-Web
49	x	75%	37

The filing fee is calculated below:

	Number Filed	Included in Basic Fee	Extra	Rate	Fee Totals
Basic Filing Fee				\$330.00 =	\$330.00
Search Fee Examination Fee				\$540.00 =	\$540.00
Size Fee	37	- 100	= 0	x \$270.00 =	\$0.00
Total	15	- 20	= 0	x \$52.00 =	\$0.00
Claims:					
Independents	2	- 3	= 0	x \$220.00 =	\$0.00
:					
If any Multiple Dependent Claim(s) present:				+ \$390.00 =	\$0.00
Surcharge under 37 CFR 1.16(e) for late filing of Executed Declaration or late payment of filing fee				+ \$130.00 =	\$0.00
				SUBTOTAL: =	\$1090.00
[ X ] Small Entity Fees Apply (subtract 1/2 of above):				=	\$545.00
Basic Filing Fee Reduction for Filing via EFS-Web				=	\$83.00
				TOTAL FILING FEE: =	\$462.00
Assignment Recordation Fee:				+ \$40.00 =	\$0.00

Processing Fee under 37 CFR 1.17(i) for Late Filing +	\$130.00	=	\$0.00
of English Translation of Application:			
TOTAL FEE		=	\$462.00


The above-identified fees of \$462.00 are being paid by credit card via EFS-Web.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by the credit card payment instructions in EFS-Web being incorrect or absent, resulting in a rejected or incorrect credit card transaction, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

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Respectfully submitted,

Date December 20, 2010

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Scott R. Kaspar  
Attorney for Applicant  
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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

*APPLICATION FOR UNITED STATES  
LETTERS PATENT*

FOR

**ROBUST VOICE BROWSER SYSTEM AND  
VOICE ACTIVATED DEVICE CONTROLLER**

BY

Alexander Kurganov  
Valery Zhukoff

**CROSS-REFERENCE TO RELATED APPLICATIONS**

[001] This application is a continuation of U.S. Patent Application No. 12/030,556, filed February 13, 2008, now allowed, which is a continuation of U.S. Patent Application No. 11/409,703, filed April 24, 2006 and issued as U.S. Patent No. 7,386,455 on June 10, 2008, which is a continuation of U.S. Patent Application No. 10/821,690, filed April 9, 2004 and issued as U.S. Patent No. 7,076,431 on July 11, 2006, which is a continuation of U.S. Patent Application No. 09/776,996, filed February 5, 2001 and issued as U.S. Patent No. 6,721,705 on April 13, 2004, which claims the benefit of priority to U.S. Provisional Application No. 60/180,344, filed February 4, 2000, entitled "Voice Activated Information Retrieval System" and U.S. Provisional Patent Application No. 60/233,068, filed September 15, 2000, entitled "Robust Voice Browser System and Voice Activated Device Controller", all of which are herein incorporated by reference in their entirety.



**FIELD OF THE INVENTION**

[002] The present invention relates to a robust and highly reliable system that allows users to browse web sites and retrieve information by using conversational voice commands. Additionally, the present invention allows users to control and monitor other systems and devices that are connected the Internet or any other network by using voice commands.

**BACKGROUND OF THE INVENTION**

[003] Currently, three options exist for a user who wishes to gather information from a web site accessible over the Internet. The first option is to use a desktop or a laptop computer connected to a telephone line via a modem or connected to a network with Internet access. The second option is to use a Personal Digital Assistant (PDA) that has the capability of connecting to the Internet either through a modem or a wireless connection. The third option is to use one of the newly designed web-phones or web-pagers that are now being offered on the market. Although each of these options provide a user with access to the Internet to browse web sites, each of them have their own drawbacks.

[004] Desktop computers are very large and bulky and are difficult to transport. Laptop computers solve this inconvenience, but many are still quite heavy and are inconvenient to carry. Further, laptop computers cannot be carried and used everywhere a user travels. For instance, if a user wishes to obtain information from a remote location where no electricity or communication lines are installed, it would be nearly impossible to use a laptop computer. Oftentimes, information is needed on an immediate basis where a computer is not accessible. Furthermore, the use of laptop or desktop computers to access the Internet requires either a direct or a dial-up connection tan an Internet Service Provider (ISP). Oftentimes, such connections are not available when a user desires to connect to the Internet to acquire information.

[005] The second option for remotely accessing web sites is the use of PDAs. These devices also have their own set of drawbacks. First, PDAs with the ability to connect to the Internet and access web sites are not readily available. As a result, these PDAs tend to be very expensive. Furthermore, users are usually required to pay a special service fee to

enable the web browsing feature of the PDA. A further disadvantage of these PDAs is that web sites must be specifically designed to allow these devices to access information on the web site. Therefore, a limited number of web sites are available that are accessible by these web-enabled PDAs. Finally, it is very common today for users to carry cell phones, however, users must also carry a separate PDA if they require the ability to gather information from various web sites. Users are therefore subjected to added expenses since they must pay for both cellular telephone service and also for the web-enabling service for the PDA. This results in a very expensive alternative for the consumer.

[006] The third alternative mentioned above is the use of web-phones or web-pagers. These devices suffer many of the same drawbacks as PDAs. First, these devices are expensive to purchase. Further, the number of web sites accessible to these devices is limited since web sites must be specifically designed to allow access by these devices. Furthermore, users are often required to pay an additional fee in order to gain wireless web access. Again, this service is expensive. Another drawback of these web-phones or web-pagers is that as technology develops, the methods used by the various web sites to allow access by these devices may change. These changes may require users to purchase new web-phones or web-pagers or have the current device serviced in order to upgrade the firmware or operating system stored within the device. At the least, this would be inconvenient to users and may actually be quite expensive.

[007] Therefore, a need exists for a system that allows users to easily access and browse the Internet from any location. Such a system would only require users to have access to any type of telephone and would not require users to subscribe to multiple services.

[008] In the rapidly changing area of Internet applications, web sites change frequently. The design of the web site may change, the information required by the web site in order to

perform searches may change, and the method of reporting search results may change. Web browsing applications that submit search requests and interpret responses from these web sites based upon expected formats will produce errors and useless responses when such changes occur. Therefore, a need exists for a system that can detect modifications to web sites and adapt to such changes in order to quickly and accurately provide the information requested by a user through a voice enabled device, such as a telephone.

[009] When users access web sites using devices such as personal computers, delays in receiving responses are tolerated and are even expected, however, such delays are not expected when a user communicates with a telephone. Users expect communications over a telephone to occur immediately with a minimal amount of delay time. A user attempting to find information using a telephone expects immediate responses to his search requests. A system that introduces too much delay between the time a user makes a request and the time of response will not be tolerated by users and will lose its usefulness. Therefore, it is important that a voice browsing system that uses telephonic communications selects web sites that provide rapid responses since speed is an important factor for maintaining the system's desirability and usability. Therefore, a need exists for a system that accesses web sites based upon their speed of operation.

**SUMMARY OF THE INVENTION**

[0010] It is an object of an embodiment of the present invention to allow users to gather information from web sites by using voice enabled devices, such as wireline or wireless telephones.

[0011] An additional object of an embodiment of the present invention is to provide a system and method that allows the searching and retrieving of publicly available information by controlling a web browsing server using naturally spoken voice commands.

[0012] It is an object of another embodiment of the present invention to provide a robust voice browsing system that can obtain the same information from several web sites based upon a ranking order. The ranking order is automatically adjusted if the system detects that a given web site is not functioning, is too slow, or has been modified in such a way that the requested information cannot be retrieved any longer.

[0013] A still further object of an embodiment of the present invention is to allow users to gather information from web sites from any location where a telephonic connection can be made.

[0014] Another object of an embodiment of the present invention is to allow users to browse web sites on the Internet using conversational voice commands spoken into wireless or wireline telephones or other voice enabled devices.

[0015] An additional object of an embodiment of the present invention is to provide a system and method for using voice commands to control and monitor devices connected to a network.

[0016] It is an object of an embodiment of the present invention to provide a system and method which allows devices connected to a network to be controlled by conversational

voice commands spoken into any voice enabled device interconnected with the same network.

[0017] The present invention relates to a system for acquiring information from sources on a network, such as the Internet. A voice browsing system maintains a database containing a list of information sources, such as web sites, connected to a network. Each of the information sources is assigned a rank number which is listed in the database along with the record for the information source. In response to a speech command received from a user, a network interface system accesses the information source with the highest rank number in order to retrieve information requested by the user.

[0018] The a preferred embodiment of the present invention allows users to access and browse web sites when they do not have access to computers with Internet access. This is accomplished by providing a voice browsing system and method that allows users to browse web sites using conversational voice commands spoken into any type of voice enabled device (i.e., any type of wireline or wireless telephone, IP phone, wireless PDA, or other wireless device). These spoken commands are then converted into data messages by a speech recognition software engine running on a user interface system. These data messages are then sent to and processed by a network interface system. This network interface system then generates the proper requests that are transmitted to the desired web site over the Internet. Responses sent from the web site are received and processed by the network interface system and then converted into an audio message via a speech synthesis engine or a pre-recorded audio concatenation application and finally transmitted to the user's voice enabled device.

[0019] A preferred embodiment of the voice browser system and method uses a web site polling and ranking methodology that allows the system to detect changes in web sites and

adapt to those changes in real-time. This enables the voice browser system of a preferred embodiment to deliver highly reliable information to users over any voice enabled device. This ranking system also enables the present invention to provide rapid responses to user requests. Long delays before receiving responses to requests are not tolerated by users of voice-based systems, such as telephones. When a user speaks into a telephone, an almost immediate response is expected. This expectation does not exist for non-voice communications, such as email transmissions or accessing a web site using a personal computer. In such situations, a reasonable amount of transmission delay is acceptable. The ranking system of implemented by a preferred embodiment of the present invention ensures users will always receive the fastest possible response to their request.

[0020] An alternative embodiment of the present invention allows users to control and monitor the operation of a variety of household devices connected to a network using speech commands spoken into a voice enabled device.

**BRIEF DESCRIPTION OF THE DRAWINGS**

[0021] FIG. 1 is a depiction of the voice browsing system of the first embodiment of the present invention;

[0022] FIG. 2 is a block diagram of a database record used by the first preferred embodiment of the present invention;

[0023] FIG. 3 is a block diagram of a media server used by the preferred embodiment;

[0024] FIG. 4 is a block diagram of a web browsing server used by the preferred embodiment; and

[0025] FIG. 5 is a depiction of the device browsing system of the second embodiment of the present invention.



**DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT**

[0026] A first embodiment of the present invention is a system and method for allowing users to browse information sources, such as web sites, by using naturally spoken, conversational voice commands spoken into a voice enabled device. Users are not required to learn a special language or command set in order to communicate with the voice browsing system of the present invention. Common and ordinary commands and phrases are all that is required for a user to operate the voice browsing system. The voice browsing system recognizes naturally spoken voice commands and is speaker-independent; it does not have to be trained to recognize the voice patterns of each individual user. Such speech recognition systems use phonemes to recognize spoken words and not predefined voice patterns.

[0027] The first embodiment allows users to select from various categories of information and to search those categories for desired data by using conversational voice commands. The voice browsing system of the first preferred embodiment includes a user interface system referred to as a media server. The media server contains a speech recognition software engine. This speech recognition engine is used to recognize natural, conversational voice commands spoken by the user and converts them into data messages based on the available recognition grammar. These data messages are then sent to a network interface system. In the first preferred embodiment, the network interface system is referred to as a web browsing server. The web browsing server then accesses the appropriate information source, such as a web site, to gather information requested by the user.

[0028] Responses received from the information sources are then transferred to the media

server where speech synthesis engine converts the responses into audio messages that are transmitted to the user. A more detailed description of this embodiment will now be provided.

[0029] Referring to FIG. 1, a database 100 designed by Webley Systems Incorporated is connected to one or more web browsing servers 102 as well as to one or more media servers 106. The database may store information on magnetic media, such as a hard disk drive, or it may store information via other widely acceptable methods for storing data, such as optical disks. The database 100 contains a separate set of records for each web site accessible by the system. An example of a web site record is shown in FIG. 2. Each web site record 200 contains the rank number of the web site 202, the associated Uniform Resource Locator (URL) 204, and a command that enables the appropriate "extraction agent" 206 that is required in order to generate proper requests sent to and to format data received from the web site. The database record 200 also contains the timestamp 208 indicating the last time the web site was accessed. The extraction agent is described in more detail below. The database 100 categorizes each database record 200 according to the type of information provided by each web site. For instance, a first category of database records 200 may correspond to web sites that provide "weather" information. The database 100 may also contain a second category of records 200 for web sites that provide "stock" information. These categories may be further divided into subcategories. For instance, the "weather" category may contain subcategories depending upon type of weather information available to a user, such as "current weather" or "extended forecast". Within the "extended forecast" subcategory, a list of web site records may be stored that provide weather information for multiple days. The use of subcategories may allow the web browsing feature to provide more accurate, relevant, and up-to-date information to the user by

accessing the most relevant web site. The number of records contained in each category or subcategory is not limited. In the preferred embodiment, three web site records are provided for each category.

[0030] Table 1 below depicts two database records 200 that are used with the preferred embodiment. These records also contain a field indicating the "category" of the record, which is "weather" in each of these examples.

TABLE 1

category: weather  
URL: URL=http://cgi.cnn.com/cgi-bin/weather/redirect?zip=zip  
rank: 1  
command: web\_dispatch.pl weather\_cnn  
browsingserver: wportall  
browsingServerBackup: wportal2  
dateTime: Dec 21 2000 2:15PM

category: weather  
URL: URL=http://weather.lycos.com/wcfiveday.asp?city=zip  
rank: 2  
command: web\_dispatch.pl weather\_lycos  
browsingServer: wportall  
browsingserverBackup: wportal2  
dateTime: Dec 21 2000 1:45PM

[0031] The database also contains a listing of pre-recorded audio files used to create concatenated phrases and sentences. Further, database 100 may contain customer profile information, system activity reports, and any other data or software servers necessary for the testing or administration of the voice browsing system.

[0032] The operation of the media servers 106 will now be discussed in relation to FIG. 3. The media servers 106 function as user interface systems. In the preferred embodiment, the media servers 106 contain a speech recognition engine 300, a speech synthesis engine

302, an Interactive Voice Response (IVR) application 304, a call processing system 306, and telephony and voice hardware 308 required to communicate with the Public Switched Telephone Network (PSTN) 116. In the preferred embodiment, each media server is based upon Intel's Dual Pentium III 730 MHz microprocessor system.

[0033] The speech recognition function is performed by a speech recognition engine 300 that converts voice commands received from the user's voice enabled device 112 (i.e., any type of wireline or wireless telephone, Internet Protocol (IP) phones, or other special wireless units) into data messages. In the preferred embodiment, voice commands and audio messages are transmitted using the PSTN 116 and data is transmitted using the TCP/IP communications protocol. However, one skilled in the art would recognize that other transmission protocols may be used for either voice or data. Other possible transmission protocols would include SIP/VoIP (Session Initiation Protocol/Voice over IP), Asynchronous Transfer Mode (ATM) and Frame Relay. A preferred speech recognition engine is developed by Nuance Communications of 1380 Willow Road, Menlo Park, California 94025 ([www.nuance.com](http://www.nuance.com)). The Nuance engine capacity is measured in recognition units based on CPU type as defined in the vendor specification. The natural speech recognition grammars (i.e., what a user can say that will be recognized by the speech recognition engine) were developed by Webley Systems.

[0034] Table 2 below provides a partial source code listing of the recognition grammars used by the speech recognition engine of the preferred embodiment for obtaining weather information.

TABLE 2

?WHAT\_IS ?the weather ?[info information report conditions]

```

UScities:n
    ? ( (?like in
    ]
    {<param1 $n.zip> <param2 $n.city> <param3
    $n.state>}
    ( (area code) AREA_CODE:n ) {<param1 $n>}
    ( AREA_CODE:n (area code) ) {<param1 $n>}
    ( (zip ?code) ZIP_CODE:n ) {<param1 $n>}
    ( ZIP_CODE:n (zip ?code) ) {<param1 $n>}
    ]
    )
    ) {<menu 194>}

```

[0035] The media server 106 uses recognition results generated by the speech recognition engine 300 to retrieve a web site record 200 stored in the database 100 that can provide the information requested by the user. The media server 106 processes the recognition result data identifying keywords that are used to search the web site records 200 contained in the database 100. For instance, if the user's request was "What is the weather in Chicago?", the keywords "weather" and "Chicago" would be recognized. A web site record 200 with the highest rank number from the "weather" category within the database 100 would then be selected and transmitted to the web browsing server 102 along with an identifier indicating that Chicago weather is being requested.

[0036] The media servers 106 also contain a speech synthesis engine 302 that converts the data retrieved by the web browsing servers 102 into audio messages that are transmitted to the user's voice enabled device 112. A preferred speech synthesis engine is developed by Lernout and Hauspie Speech Products, 52 Third Avenue, Burlington, Massachusetts 01803 ([www.lhsl.com](http://www.lhsl.com)).

[0037] A further description of the web browsing server 102 will be provided in relation to FIG. 4. The web browsing servers 102 provide access to any computer network such as the

Internet 110. These servers are also capable of accessing databases stored on Local Area Networks (LANs) or Wide Area Networks (WANs). The web browsing servers receive responses from web sites and extract the data requested by the user. This task is also known as “content extraction.” The web browsing servers 102 also perform the task of periodically polling or “pinging” various web sites and modifying the ranking numbers of these web sites depending upon their response and speed. This polling feature is further discussed below. The web browsing server 102 is comprised of a content extraction agent 400, a content fetcher 402, a polling and ranking agent 404, and the content descriptor files 406. Each of these are software applications and will be discussed below.

[0038] Upon receiving a web site record 200 from the database 100 in response to a user request, the web browsing server 102 invokes the “content extraction agent” command 206 contained in the record 200. The content extraction agent 400 allows the web browsing server 102 to properly format requests and read responses provided by the web site 114 identified in the URL field 204 of the web site record 200. Each content extraction agent command 206 invokes the content extraction agent and identifies a content description file associated with the web page identified by the URL 204. This content description file directs the extraction agent where to extract data from the accessed web page and how to format a response to the user utilizing that data. For example, the content description for a web page providing weather information would indicate where to insert the “city” name or ZIP code in order to retrieve Chicago weather information. Additionally, the content description file for each supported URL indicates the location on the web page where the response information is provided. The extraction agent 400 uses this information to properly extract from the web page the information requested by the user.

[0039] Table 3 below contains source code for a content extraction agent 400 used by the preferred embodiment.

TABLE 3

```
#!/usr/local/www/bin/syber15
#$Header:
/usr/local/cvsroot/webley/agents/service/web_dispatch.pl, v
1.6
# Dispatches all web requests

#http://wcorp.itn.net/cgi/flstat?carrier=ua&flightno=155&mo
nabbr=jul&date=
6&stamp=OhLN~PdbuuE*itn/ord, itn/cb/sprint_hd
#http://cgi.cnnfn.com/flightview/rfm?airline=amt&number=300

require "config_tmp.pl";

# check parameters
die "Usage: $0 service [params]\n" if $#ARGV < 1;
#print STDERR @ARGV;
* get parameters
my ( $service, @param ) = @ARGV;

# check service
my %Services = (
    weather_cnn => 'webget.pl weather_cnn',
    weather_lycos => 'webget.pl
weather_lycos',
    weather_weather => 'webget.pl
weather_weather',
    weather_snap => 'webget.pl
weather_snap',
    weather_infospace => 'webget.pl
weather_infospace',
    stockQuote_yahoo => 'webget.pl stock',
    flightstatusitn => 'webget.pl
flight_delay',
    yellowPages_yahoo => 'yp_data.pl',
    yellowPages_yahoo => 'yp_data.pl',
    newsHeaders_newsreal => 'news.pl',
    newsArticle_newsreal => 'news.pl',

# test param
```

CH01/KASPS/208188.1

```

my $date = 'date';
chop ( $date );
my ( $short_date ) = $date =~ /\s+(\w{3})\s+\d{1,2}\s+/;
my %Test = (
    weather_cnn => '60053',
    weather_lycos => '60053',
    weather_weather => '60053',
    weather_snap => '60053',
    weather_infospace => '60053',
    stockQuote_yahoo => 'msft',
    flightStatus_itn => 'ua 155 '.

$ short_date,

    yellowPages_yahoo => 'tires 60015',
    newsHeaders_newsreal => '1',
    newsArticle_newsreal => '1 1',

die "$date: $0: error: no such service: $service (check this
script) \n"
unless $Services{$service };

# prepare absolute path to run other scripts
my ( $path, $script ) = $0 =~ m{(.*/) ([^/]*)};

# store the service to compare against datatable
my $service_stored = $service;
# run service
while( !( $response = '$path$Services{$service }@param' ) )
{
    # response failed
    # check with test parameters
    $response = '$path$Services{$service }$Test{$service
}';
# print "test: $path$Services{$service }$Test{$service
}";
if( $response ) {
    $service = &switch_service ( $service );
# print "Wrong parameter values were supplied:
$service -
@param\n";
# die "$date: $0: error: wrong parameters: $service
-
@param\n";
}
else {
    # change priority and notify
    $service = &increase_attempt( $service );
}
}

```



```

}
# output the response
print $response;

sub increase_attempt {
    my ( $service ) = @_;
    my ( $service_name ) = split ( /_/, $service );
    print STDERR "$date: $0: attn: changing priority for
service:
$service\n";
    # update priority
    &db_query( "update mcServiceRoute "
                . "set priority = ( select max( priority )
from
mcServiceRoute
                . "where service = '$service_name' ) + 1,
"
                . "date = getdate(), "
                . "attempt = attempt + 1 "
                . "where route = '$script $service'" );
    # print "---$route====\n";
    # find new route
    my $route = @{{&db_query( "select route from
mcServiceRoute "
                            . "where service =
'$service name'
                            . "and attempt < 5
"
                            . "order by
priority ")
                }->[ 0 ]{route };
    &db_query( "update mcServiceRoute "
                . "set attempt = 0 "
                . "where route = '$script $service'"
                if ( $route eq "$script $service"
                    or $route eq "$script $service_stored" );
    ( $service_name, $service ) = split( /\s+/, $route );
    die "$date: $0: error: no route for the service:
$service (add
more) \n"
        unless $service;
    return $service;
}

sub switch_service {
    my ( $service ) = @_;
    my ( $service_name ) = split ( /_/, $service );
    print STDERR "$date: $0: attn: changing priority for

```

```

service:
$service\n";
    # update priority
    &db_query( "update mcServiceRoute "
                . "set priority = ( select max ( priority )
from
mcServiceRoute "
                . "where service = '$service_name' ) + 1,
"
                . "date = getdate() "
                . "where route = '$script $service'" );
#    print "---$route====\n";
#    find new route
my $route = @{@&db_query( "select route from
mcServiceRoute "
                        . "where service =
'$service name' "
                        . "and attempt < 5
"
                        . "order by
priority "
                        . "}> 1 0 ){route };
die "$date: $0: error: there is the only service:
$route (add
more) \n"
    if ( $route eq "$script $service"
        or $route eq "$script $service_stored" );
( $service name, $service ) = split( /\s+/, $route );
die "$date: $0: error: no route for the service:
$service (add
more) \n"
    unless $service;
return $service;
}

```

[0074] Table 4 below contains source code of the content fetcher 402 used with the content extraction agent 400 to retrieve information from a web site.

**TABLE 4**

```

#!/usr/local/www/bin/syberls
#-T
# -w

```

```

# $Header:
/usr/local/cvsroot/webley/agents/service/webget .pl,v 1.4
# Agent to get info from the web.
# Parameters: service_name Eservice_parameters] , i.e. stock
msft or weather
60645
# configuration stored in files service_name.ini
# if this file is absent the configuration is received from
mcServices table
# This script provides autoupdate to datatable if the .ini
file is newer.

$debug = 1;
use URI::URL;
use LWP::UserAgent;
use HTTP::Request::Common;
use Vail::VarList;
use Sybase::CTlib;
use HTTP::cookies;
#print "Sybase::CTlib $DB_USR, $DB_PWD, $DB_SRV;";
open( STDERR, ">>$0.log" ) if $debug;
#open( STDERR, ">&STDOUT" );
$log = 'date';
#$response = './url.pl "http://cgi.cnn.com/cgi-bin/weather/redirect?zip=60605"';
#$response = 'pwd';
#print STDERR "pwd = $response\n";
#$response = 'ls';
#print STDERR "ls = $response\n";
chop( $log );
$log = "pwd=" . 'pwd';
chop( $log );

#$debug2 = 1;
my $service = shift;
$log = " $service: ". join( ':', @ARGV ). "\n";
print STDERR $log if $debug;
#$response = './url.pl
"http://cgi.cnn.com/cgi-bin/weather/redirect?zip=60605"';
my @ini = &read_ini ( $service );
chop( @ini );
my $section = "";
do { $section = &process_section( $section ) } while $section;
#$response = './url.pl
"http://cgi.cnn.com/cgi-bin/weather/redirect?zip=60605"';
exit;

sub read_ini {

```

```

my ( $service ) = my @ini = 0;
# first, try to read file
$0 =~ m|^ (.*) [^/]*;
$service = $1 . $service;
if ( open( INI, "$service.ini" ) ) {
    @ini = ( <INI> );
    return @ini unless ( $DB_SRV );
    # update datatable
    my $file_time = time - int( ( -M "$service.ini" )

* 24 *
3600 )
#
    print "time $file_time\n";
    my $dbh = new Sybase::CTlib $DB_USR, $DB_PWD,
$DB_SRV;
    unless ( $dbh ) {
        print STDERR "webget.pl: Cannot connect to
dataserver $DB_SRV:$DB_USR:$DB_PWD\n";
        return @ini;
    }
    my @row_refs = $dbh->ct_sql( "select lastUpdate
from
mcServices where service = '$service'", undef, 1 );
    if ( $dbh->{Rc } == cs_FAIL ) {
        print STDERR "webget.pl: DB select from
mcServices
failed\n";
        return @ini;
    }
    unless ( defined @row_refs ) {
        # have to insert
        my ( @ini_escaped ) = map {
            ( my $x = $_ ) =~ } s/\^/\^\/g
        $dbh->ct_sql( "insert mcServices values(
'$service'
'@ini_escaped', $file_time ) );
        if ( $dbh->{Rc } == CS_FAIL ) {
            print STDERR "webget.pl: DB insert to
mcServices failed\n";
        }
        return @ini;
    }
#
    print "time $file_time:" . $row_refs [ 0 ] -
> { 'lastUpdate'
} . "\n"
    if ( $file_time > $row_refs [ 0 ] -> { 'lastUpdate' } )
    {
        # have to update

```

```

my ( @ini_escaped ) = map {
    ( my $x = $_ ) =~ s/^\^\/g;
    $x;
} @ini;
$dbh->ct_sql( "update mcServices set config =
'@ini_escaped', lastUpdate = $file_time where service =
'$service'" );
if ( $dbh->{RC } == CS_FAIL ) {
    print STDERR "webget.pl: DB update to
mcServices failed\n";
}
}
return @ini;
}
else {
    print STDERR "$0: WARNING: $service.ini n/a in " .
'pwd'
        . "Try to read DB\n";
}
# then try to read datatable
die "webget.pl: Unable to find service $service\n"
unless ( $DB_SRV
);
my $dbh = new Sybase::CTlib $DB_USR, $DB_PWD, $DB_SRV;
die "webget.pl: Cannot connect to dataserver
$DB_SRV:$DB_USR:$DB_PWD\n" unless ( $dbh );
my @row_refs = $dbh->ct_sql( "select config from
mcServices where
service = '$service'", undef, 1 );
die "webget.pl: DB select from mcServices failed\n" if
$dbh->{RC }
== CS_FAIL;
die "webget.pl: Unable to find service $service\n"
unless ( defined
@row_refs );
$row_refs [ 0 ]->{'config' } =~ s/\n /\n/g;
@ini = split( /\t/, $row_refs [ 0 ]->{'config' } );
return @ini;
}
-
#####
sub process_section {
    my ( $prev_section ) = my ( $section, $output, $content );
    my %Param;
    my %content;
#    print "#####\n";
    foreach ( @ini ) {
#        print;

```



```

    /) {
        &die_hard( ${Param{Regular_expression}} [ 0 ],
$content
);
        return $section;
    }

%content = map (( Param{Output }->[ $_ ], $values[ $_
])
}0 .. $* {Param{Output }};

# filter it
map {
    if ( / ( [^"] + ) \' ([^"] + ) \' ([^"] *) \'/
        or / ( [^V] + ) V ( [^V] + ) V ( (^V) *) V/ ) {
        my $out = $3;
        $content{$1} =~ s/$2/$out/g;
    }
} @ {Param{"Post-filter" }};

# calculate it
map
    if ( / ([^=]+)=(.*) / ) {
        my $eval = $2;
        map { $eval =. s/$/$Content{$ } /g
        } keys %Content;
        $content{$1} = eval( $eval );
    }
} @ {Param{Calculate } };

# read section [print]
foreach $i ( 0 .. $*ini ) {
    next unless $ini[ $i ] =~ /^[\.+\\]/;
    foreach ( $i + 1 .. $#ini ) {
        last if $ini[ $ _ ] =~ /^[\.+\\]/;
        $output .= $ini[ $ _ ] . "\n";
    }
    last;
}
# prepare output
map { $output =~ s/$/_/$Content{$ _ } /g
} keys %Content;
print $output;
return 0;
}
#####

```

```

sub get_url content {
    my ( $url ) = @_;
    print STDERR $url if $debug;
#   $response = './url.pl $url';
    $response = './url.pl $url';
    return( $time - time, $response );
    my $ua = LWP::UserAgent->new;
    $ua->agent( 'Mozilla/4.0 [en] (X11; I; FreeBSD 2.2.8-
STABLE i386)'
);
#   ua->proxy( ['http', 'https'],
'http://proxy.webley:3128/' );
#   $ua->no_proxy( 'webley', 'vail' );
    my $cookie = HTTP::Cookies->new;
    $ua->cookie_jar( $cookie );
    $url = url $url;
    print "$url\n" if $debug2;
    my $time = time;
    my $res = $ua->request( GET $url );
    print "Response: " . ( time - $time ) . "sec\n" if
$debug2;
    return( $time - time, $res->content );
}
#####
sub die_hard {
    my( $re, $content ) =
    my ( $re_end, $pattern );
    while( $content /$re/ ) {
        if ( $re =~ s/( ( [^\ ( \)] + \) [^\ ( \)] *$ ) // ) }
            $re_end = $1 . $re_end;
        }
        else {
            $re_end = $re;
            last;
        }
    }
    $content =~ /$re/;
    print STDERR "The regular expression did not match:\n
$re\n
Possible misuse:
$re_end: \n
Matched:
$&\n
Mismatched:
$'\n
" if $debug;
    if ( $debug ) {

```



```

print STDERR "Content:\n $content\n" unless
$';
    }
}

```

#####

[0075] Table 5 below contains the content descriptor file source code for obtaining weather information from the web site www.cnn.com that is used by the extraction agent 400 of the preferred embodiment.

TABLE 5

[cnn]  
Input=\_zip

URL=http://cgi.cnn.com/cgi-bin/weather/redirect?zip= zip

```

Pre-filter="\n"
Pre-filter="<[^<>]+>"
Pre-filter=^s+ / /
Pre-filter="(\\|)]"!

```

```

Output=_location
Output=first_day_name
Output=first_day_weather
Output=first_day_high_F
Output=first_day_high_c
Output=first_day_low_F
Output=first_day_low_c
Output=second_day_name
Output=second_day_weather
Output=second_day_high_F
Output=second_day_high_c
Output=second_day_low_F
Output=second_day_low_c
Output=third_day_name
Output=third_day_weather
Output=third_day_high_F
Output=third_day_high_c
Output=third_day_low_F
Output=third_day_low_c

```

Output=fourth\_day\_name  
 Output=fourth\_day\_weather  
 Output=fourth\_day\_high\_F  
 Output=fourth\_day\_high\_c  
 Output=fourth\_day\_low\_F  
 Output=fourth\_day\_low\_c  
 Output=undef  
 Output=\_current\_time  
 Output=\_current\_month  
 Output=\_current\_day  
 Output=\_current\_weather  
 Output=\_current\_tempenature\_F  
 Output=\_current\_temperature\_c  
 Output=\_humidity  
 Output=\_wind  
 Output=\_pressure  
 Output=\_sunrise  
 Output=\_sunset

Regular\_expression=Author &nbsp; (.) Four Day Forecast  
 (S+) (S+) HIGH  
 (S+) F (S+) C LOW (S+) F (S+) C (S+) (S+) HIGH (S+) F  
 (S+) C LOW  
 (S+) F (S+) C (S+) (S+) HIGH (S+) F (S+) C LOW (S+) F  
 (S+) C (S+)  
 (S+) HIGH (S+) F (S+) C LOW (S+) F (S+) C (.) Current  
 Conditions(.)  
 !local!, (S+) (S+) (.) Temp: (S+) F, (S+) C Rel.  
 Humidity: (S+) Wind:  
 (.) Pressure: (.) Sunrise: (.) Sunset: (.) Related Links

Post-filter=\_current\_weather"p"partly"  
 Post-filter=\_current\_weather"l"little"  
 Post-filter=\_current\_weather"m"mostly"  
 Post-filter=\_current\_weathen"t-/"thunder"  
 Post-filter=\_wind"N"North"  
 Post-filter=\_wind"E"East"  
 Post-filter=\_wind"s"South"  
 Post-filter=\_wind"W"West"  
 Post-filter=\_wind/mph/miles per hour/  
 Post-filter=\_wind/kph! /kilometers per hour/  
 Post-filter=\_wind"s+!"",

[print]  
 Current weather in \_location is \_current\_weather.  
 Temperature is \_current\_temperature\_F Fahrenheit,  
 \_current\_temperature\_C

Celsius.  
Humidity is \_humidity.  
Wind from the \_wind.

[0076] Table 6 below contains the content descriptor file source code for obtaining weather information from the web site www.lycos.com that is used by the extraction agent 400 of the preferred embodiment.

TABLE 6

[lycos]

Input=zip  
Input=\_city

URL=http://weather.lycos.com/wcfiveday.asp?city=zip

Pre-filter="\n"  
Pne-filter="</TD>"td"  
Pre-filter="<!.\*?\_>""  
Pre-filter="<br>" br "  
Pre-filter="/alt"/>alt=  
Pre-filter="<[^<>]+>""  
Pre-filter="&nbsp;"  
Pre-filter="/s+/ /

Output=\_location  
Output=\_current\_weather  
Output=\_current\_temperature\_F  
Output=\_humidity  
Output=\_winddir  
Output=\_windspeed  
Output=\_windmeasure  
Output=\_pressure  
Output=first\_day\_name  
Output=second\_day\_name  
Output=third\_day\_name  
Output=fourth\_day\_name  
Output=fifth\_day\_name  
Output=first\_day\_weather  
Output=second\_day\_weather  
Output=third\_day\_weather

Output=fourth\_day\_weather  
Output=fifth\_day\_weather  
Output=first\_day\_high\_F  
Output=first\_day\_low\_F  
Output=second\_day\_high\_F  
Output=second\_day\_low\_F  
Output=third\_day\_high\_F  
Output=third\_day\_low\_F  
Output=fourth\_day\_high\_F  
Output=fourth\_day\_low\_F  
Output=fifth\_day\_high\_F  
Output=fifth\_day\_low\_F  
Output=\_windkmh

Regular expression=Guide My Lycos (.+) Click image to  
enlarge  
alt=([\^"]+)(?:.+) Temp: (d+)(?:.+)F \_br\_ Humidity:  
(\S+) (?:.+) Wind:  
\_br\_

Output =\_current\_temperature\_C

Post-filter=\_location"\_br\_"  
Post-filter=\_current\_weather"p"partly"  
Post-filter=\_current\_weather"m"mostly"  
Post-filter=\_current\_weather"t-/"thunder"  
Post-filter=\_winddir"@ "at"  
Post-filter=\_winddir/mpH/miles per hour/  
Post-filter=\_wind/kph!/kilometens per hour/

Calculate=\_current\_temperature\_C=int ( (\_current\_temperature\_F  
-32) \*5/9)  
Calculate=\_windkmh=int (\_windspeed\*1.6)

[print]  
The current weather in \_location is \_current\_weather.  
The current temperature is \_current\_temperature\_F Fanenheit  
\_current\_temperatune\_C Celsius.  
Humidity is \_humidity.

Winds \_winddir.

[0077] Once the web browsing server 102 accesses the web site specified in the URL 204  
and retrieves the requested information, the information is forwarded to the media server

106. The media server uses the speech synthesis engine 302 to create an audio message that is then transmitted to the user's voice enabled device 112. In the preferred embodiment, each web browsing server 102 is based upon Intel's Dual Pentium III 730 MHz microprocessor system.

[0078] Referring to FIG. 1, the operation of the robust voice browser system will be described. A user establishes a connection between his voice enabled device 112 and a media server 106. This may be done using the Public Switched Telephone Network (PSTN) 116 by calling a telephone number associated with the voice browsing system 118. Once the connection is established, the media server 106 initiates an interactive voice response (WR) application 304. The IVR application plays audio messages to the user presenting a list of options, such as, "stock quotes", "flight status", "yellow pages", "weather", and "news". These options are based upon the available web site categories and may be modified as desired. The user selects the desired option by speaking the name of the option into the voice enabled device 112.

[0079] As an example, if a user wishes to obtain restaurant information, he may speak into his telephone the phrase "yellow pages". The FIR application would then ask the user what he would like to find and the user may respond by stating "restaurants". The user may then be provided with further options related to searching for the desired restaurant. For instance, the user may be provided with the following restaurant options, "Mexican Restaurants", "Italian Restaurants", or "American Restaurants". The user then speaks into the telephone 112 the restaurant type of interest. The IVR application running on the media server 106 may also request additional information limiting the geographic scope of the restaurants to be reported to the user. For instance, the IVR application may ask the user to identify the zip code of the area where the restaurant should be located. The media

server 106 uses the speech recognition engine 300 to interpret the speech commands received from the user. Based upon these commands, the media server 106 retrieves the appropriate web site record 200 from the database 100. This record and any additional data, which may include other necessary parameters needed to perform the user's request, are transmitted to a web browsing server 102. A firewall 104 may be provided that separates the web browsing server 102 from the database 100 and media server 106. The firewall provides protection to the media server and database by preventing unauthorized access in the event the firewall for web browsing server 108 fails or is compromised. Any type of firewall protection technique commonly known to one skilled in the art could be used, including packet filter, proxy server, application gateway, or circuit-level gateway techniques.

[0080] The web browsing server 102 then uses the web site record and any additional data and executes the extraction agent 400 and relevant content descriptor file 406 to retrieve the requested information.

[0081] The information received from the responding web site 114 is then processed by the web browsing server 102 according to the content descriptor file 406 retrieval by the extraction agent. This processed response is then transmitted to the media server 106 for conversion into audio messages using either the speech synthesis software 302 or selecting among a database of prerecorded voice responses contained within the database 100.

[0082] As mentioned above, each web site record contains a rank number 202 as shown in FIG. 2. For each category searchable by a user, the database 100 may list several web sites, each with a different rank number 202. As an example, three different web sites may be listed as searchable under the category of "restaurants". Each of those web sites will be assigned a rank number such as 1, 2, or 3. The site with the highest rank (i.e., rank = 1)

will be the first web site accessed by a web browsing server 102. If the information requested by the user cannot be found at this first web site, then the web browsing server 102 will search the second ranked web site and so forth down the line until the requested information is retrieved or no more web sites left to check.

[0083] The web site ranking method and system of the present invention provides robustness to the voice browser system and enables it to adapt to changes that may occur as web sites evolve. For instance, the information required by a web site 114 to perform a search or the format of the reported response data may change. Without the ability to adequately monitor and detect these changes, a search requested by a user may provide an incomplete response, no response, or an error. Such useless responses may result from incomplete data being provided to the web site 114 or the web browsing server 102 being unable to recognize the response data messages received from the searched web site 114.

[0084] The robustness and reliability of the voice browsing system of the present invention is further improved by the addition of a polling mechanism. This polling mechanism continually polls or “pings” each of the sites listed in the database 100. During this polling function, a web browsing server 102 sends brief data requests or “polling digital data” to each web site listed in database 100. The web browsing server 102 monitors the response received from each web site and determines whether it is a complete response and whether the response is in the expected format specified by the content descriptor file 406 used by the extraction agent 400. The polled web sites that provide complete responses in the format expected by the extraction agent 400 have their ranking established based on their “response time”. That is, web sites with faster response times will be assigned higher rankings than those with slower response times. If the web browsing server 102 receives no response from the polled web site or if the response received is not in the

expected format, then the rank of that web site is lowered. Additionally, the web browsing server contains a warning mechanism that generates a warning message or alarm for the system administrator indicating that the specified web site has been modified or is not responsive and requires further review.

[0085] Since the web browsing servers 102 access web sites based upon their ranking number, only those web sites that produce useful and error-free responses will be used by the voice browser system to gather information requested by the user. Further, since the ranking numbers are also based upon the speed of a web site in providing responses, only the most time efficient sites are accessed. This system assures that users will get complete, timely, and relevant responses to their requests. Without this feature, users may be provided with information that is not relevant to their request or may not get any information at all. The constant polling and re-ranking of the web sites used within each category allows the voice browser of the present invention to operate efficiently. Finally, it allows the voice browser system of the present invention to dynamically adapt to changes in the rapidly evolving web sites that exist on the Internet.

[0086]:It should be noted that the web sites accessible by the voice browser of the preferred embodiment may use any type of mark-up language, including Extensible Markup Language (XML), Wireless Markup Language (WML), Handheld Device Markup Language (HDML), Hyper Text Markup Language (HTML), or any variation of these languages.

[0087] A second embodiment of the present invention is depicted in FIG. 5. This embodiment provides a system and method for controlling a variety of devices 500 connected to a network 502 by using conversational speech commands spoken into a voice enabled device 504 (i.e., wireline or wireless telephones, Internet Protocol (IP) phones, or



other special wireless units). The networked devices may include various household devices. For instance, voice commands may be used to control household security systems, VCRs, TVs, outdoor or indoor lighting, sprinklers, or heating and air conditioning systems. [0088] Each of these devices 500 is connected to a network 502. These devices 500 may contain embedded microprocessors or may be connected to other computer equipment that allow the device 500 to communicate with network 502. In the preferred embodiment, the devices 500 appear as "web sites" connected to the network 502. This allows a network interface system, such as a device browsing server 506, a database 508, and a user interface system, such as a media server 510, to operate similar to the web browsing server 102, database 100 and media server 106 described in the first preferred embodiment above. A network 502 interfaces with one or more network interface systems, which are shown as device browsing servers 506 in FIG. 5. The device browsing servers perform many of the same functions and operate in much the same way as the web browsing servers 102 discussed above in the first preferred embodiment. The device browsing servers 506 are also connected to a database 508.

[0089] Database 508 lists all devices that are connected to the network 502. For each device 500, the database 508 contains a record similar to that shown in FIG. 2. Each record will contain at least a device identifier, which may be in the form of a URL, and a command to "content extraction agent" contained in the device browsing server 506. Database 508 may also include any other data or software necessary to test and administer the device browsing system.

[0090] The content extraction agent operates similarly to that described in the first embodiment. A device descriptor file contains a listing of the options and functions available for each of the devices 500 connected on the network 502. Furthermore, the

device descriptor file contains the information necessary to properly communicate with the networked devices 500. Such information would include, for example, communication protocols, message formatting requirements, and required operating parameters.

[0091] The device browsing server 506 receives messages from the various networked devices 500, appropriately formats those messages and transmits them to one or more media servers 510 which are part of the device browsing system. The user's voice enabled devices 504 can access the device browsing system by calling into a media server 510 via the Public Switched Telephone Network (PSTN) 512. In the preferred embodiment, the device browsing server is based upon Intel's Dual Pentium III 730 MHz microprocessor system.

[0092] The media servers 510 act as user interface systems and perform the functions of natural speech recognition, speech synthesis, data processing, and call handling. The media server 510 operates similarly to the media server 106 depicted in FIG. 3. When data is received from the device browser server 506, the media server 510 will convert the data into audio messages via a speech synthesis engine that are then transmitted to the voice enabled device of the user 504. Speech commands received from the voice enabled device of the user 504 are converted into data messages via a speech recognition engine running on the media server 510. A preferred speech recognition engine is developed by Nuance Communications of 1380 Willow Road, Menlo Park, California 94025 ([www.nuance.com](http://www.nuance.com)). A preferred speech synthesis engine is developed by Lernout and Hauspie Speech Products, 52 Third Avenue, Burlington, Massachusetts 01803 ([www.lhsl.com](http://www.lhsl.com)). The media servers 510 of the preferred embodiment are based on Intel's Dual Pentium III 730 MHz microprocessor system. A specific example for using the system and method of this embodiment of the invention will now be given.

[0093] First, a user may call into a media server 510 by dialing a telephone number associated with an established device browsing system. Once the user is connected, the IVR application of the media server 510 will provide the user with a list of available systems that may be monitored or controlled based upon information contained in database 508.

[0094] For example, the user may be provided with the option to select "Home Systems" or "Office Systems". The user may then speak the command "access home systems". The media server 510 would then access the database 508 and provide the user with a listing of the home subsystems or devices 500 available on the network 502 for the user to monitor and control. For instance, the user may be given a listing of subsystems such as "Outdoor Lighting System", "Indoor Lighting System", "Security System", or "Heating and Air Conditioning System". The user may then select the indoor lighting subsystem by speaking the command "Indoor Lighting System". The IVR application would then provide the user with a set of options related to the indoor lighting system. For instance the media server 510 may then provide a listing such as "Dining Room", "Living Room", "Kitchen", or "Bedroom". After selecting the desired room, the IVR application would provide the user with the options to hear the "status" of the lighting in that room or to "turn on", "turn off", or "dim" the lighting in the desired room. These commands are provided by the user by speaking the desired command into the users voice enabled device 504. The media server 510 receives this command and translates it into a data message. This data message is then forwarded to the device browsing server 506 which routes the message to the appropriate device 500.

[0095] The device browsing system 514 of this embodiment of the present invention also provides the same robustness and reliability features described in the first embodiment.

The device browsing system 514 has the ability to detect whether new devices have been added to the system or whether current devices are out-of-service. This robustness is achieved by periodically polling or “pinging” all devices 500 listed in database 508. The device browsing server 506 periodically polls each device 500 and monitors the response. If the device browsing server 506 receives a recognized and expected response from the polled device, then the device is categorized as being recognized and in-service. However, if the device browsing server 506 does not receive a response from the polled device 500 or receives an unexpected response, then the device 500 is marked as being either new or out-of-service. A warning message or a report may then be generated for the user indicating that a new device has been detected or that an existing device is experiencing trouble.

[0095] Therefore, this embodiment allows users to remotely monitor and control any devices that are connected to a network, such as devices within a home or office. Furthermore, no special telecommunications equipment is required for users to remotely access the device browser system. Users may use any type of voice enabled device (i.e., wireline or wireless telephones, IP phones, or other wireless units) available to them. Furthermore, a user may perform these functions from anywhere without having to subscribe to additional services. Therefore, no additional expenses are incurred by the user.

[0097] The descriptions of the preferred embodiments described above are set forth for illustrative purposes and are not intended to limit the present invention in any manner. Equivalent approaches are intended to be included within the scope of the present invention. While the present invention has been described with reference to the particular embodiments illustrated, those skilled in the art will recognize that many changes and variations may be made thereto without departing from the spirit and scope of the present

invention. These embodiments and obvious variations thereof are contemplated as falling within the scope and spirit of the claimed invention.

CLAIMS

What is claimed is:

1. A method for retrieving information from pre-selected web sites by uttering speech commands into a voice enabled device and for providing to users retrieved information in an audio form via said voice enabled device, said method comprising the steps of:
  - providing a computer operatively connected to the internet, said computer further being operatively connected to at least one speaker-independent speech recognition engine and to at least one speech synthesis engine;
  - providing a voice enabled device operatively connected to said computer, said voice enabled device configured to receive speech commands from users;
  - providing at least one instruction set stored in a database operatively connected to said computer, said instruction set comprising:
    - a plurality of pre-selected web site addresses, each said web site address identifying a web site containing said information to be retrieved;
    - providing a speech command to said speaker-independent speech recognition engine, said speech command corresponding to said instruction set;
    - said speaker-independent speech recognition engine assigning said speech command to a recognition grammar, said speech command and said recognition grammar corresponding to said instruction set;
    - transmitting said speech command to said speaker-independent speech recognition engine;
    - said speaker-independent speech recognition engine receiving said speech command and selecting the corresponding recognition grammar upon receiving said speech command;
    - said computer retrieving said instruction set corresponding to said recognition grammar selected by said speaker-independent speech recognition engine;
    - said computer accessing at least one of said plurality of web sites identified by said instruction set to obtain said information to be retrieved, said computer first accessing said first web site of said plurality of web sites and, if said information to be retrieved is not found at said first web site, said computer sequentially accessing said plurality of web sites

until said information to be retrieved is found or until said plurality of web sites has been accessed;

said speech synthesis engine producing an audio message containing any retrieved information from said pre-selected web sites; and

said speech synthesis engine transmitting said audio message to said users via said voice enabled device.

2. The method of claim 1 wherein said instruction set further comprises a content descriptor associated with each said web site address, said content descriptor pre-defining a portion of said web site containing said information to be retrieved.

3. The method of claim 1 wherein said instruction set further comprises a ranking from highest to lowest associated with each said web site, said ranking indicating the order in which the plurality of pre-selected web sites are accessed.

4. The method of claim 3 wherein said computer accesses said plurality of web sites based on said ranking, said computer first accessing said web site having the highest ranking.

5. The method of claim 4 further comprising the step of adjusting said rankings associated with said plurality of web sites such that said web site having said information to be retrieved is assigned the highest ranking and any web sites not having said information to be retrieved are assigned lower rankings.

6. The method of claim 1 further comprising the step of periodically polling each said web site to determine whether said web site contains said information to be retrieved.

7. The method of claim 6 wherein the computer periodically polls each said web site without being instructed by said user to determine the availability of each said web site, the duration of time for each said web site to respond to a request from said computer, and changes to the location of said information to be retrieved from each said web site, said computer creating a ranking of said plurality of web sites based on said periodic polling.

8. The method of claim 1 further comprising the step of periodically searching said internet to find new web sites containing said information to be retrieved, and adding said new web sites to said plurality of web sites.

9. A system for retrieving information from pre-selected web sites by uttering speech commands into a phone and for providing to users retrieved information in an audio form via said phone, said system comprising:

- a computer, said computer operatively connected to the internet and to at least one phone;

- at least one speaker-independent speech recognition engine, said speaker-independent speech recognition engine operatively connected to said computer;

- at least one speech synthesis engine, said speech synthesis engine operatively connected to said computer;

- a database, said database operatively connected to said computer;

- at least one instruction set stored in said database for identifying said information to be retrieved, said instruction set comprising:

- a plurality of pre-selected web site addresses, each said web site address identifying a web site containing said information to be retrieved;

- a content descriptor associated with each said web site address, said content descriptor pre-defining a portion of said web site containing said information to be retrieved;

- a ranking from highest to lowest associated with each said web site address, said ranking indicating the order in which the plurality of pre-selected web sites are accessed;

- at least one recognition grammar stored in said database, each said recognition grammar corresponding to each said instruction set and corresponding to a speech command;

- said speaker-independent speech recognition engine configured to receive from users via said phone a speech command and to select the corresponding recognition grammar upon receiving said speech command;

- said computer configured to retrieve said instruction set corresponding to said recognition grammar selected by said speaker-independent speech recognition device;



said computer further configured to access at least one of said plurality of web sites identified by said instruction set to obtain said information to be retrieved, said computer configured to first access said web site having the highest ranking and, if said information to be retrieved is not found at said web site having the highest ranking, said computer configured to subsequently access said plurality of web sites in order of rankings until said information to be retrieved is found or until said plurality of web sites has been accessed;

said computer further configured to establish or adjust said rankings associated with said plurality of web sites such that said web site having said information to be retrieved is assigned the highest ranking and any web sites not having said information to be retrieved are assigned lower rankings;

said speech synthesis engine configured to produce an audio message containing any retrieved information from said pre-selected web sites, and said speech synthesis engine further configured to transmit said audio message to said users via said phone.

10. The system of claim 9 wherein said phone comprises a standard telephone, a cellular phone, or an IP phone.
11. The system of claim 9 wherein said internet is a local area network.
12. The system of claim 9 wherein said internet is a wide area network.
13. The system of claim 9 wherein said internet is the Internet.
14. The system of claim 9 wherein said computer is configured to establish or adjust said rankings associated with said plurality of web sites when instructed by said user to access said plurality of web sites to retrieve said information.
15. The system of claim 9 wherein said computer is configured to establish or adjust said rankings associated with said plurality of web sites based on periodic polling of each of said web sites without being instructed by said user to determine the availability of each said web site, the duration of time for each said web site to respond to a request from said computer, and changes to the location of said information to be retrieved from each said

web site.

**ABSTRACT**

The present invention relates to a system for acquiring information from sources on a network, such as the Internet. A voice browsing system maintains a database containing a list of information sources, such as web sites, connected to a network. Each of the information sources is assigned a rank number which is listed in the database along with the record for the information source. In response to a speech command received from a user, a network interface system accesses the information source with the highest rank number in order to retrieve information requested by the user.

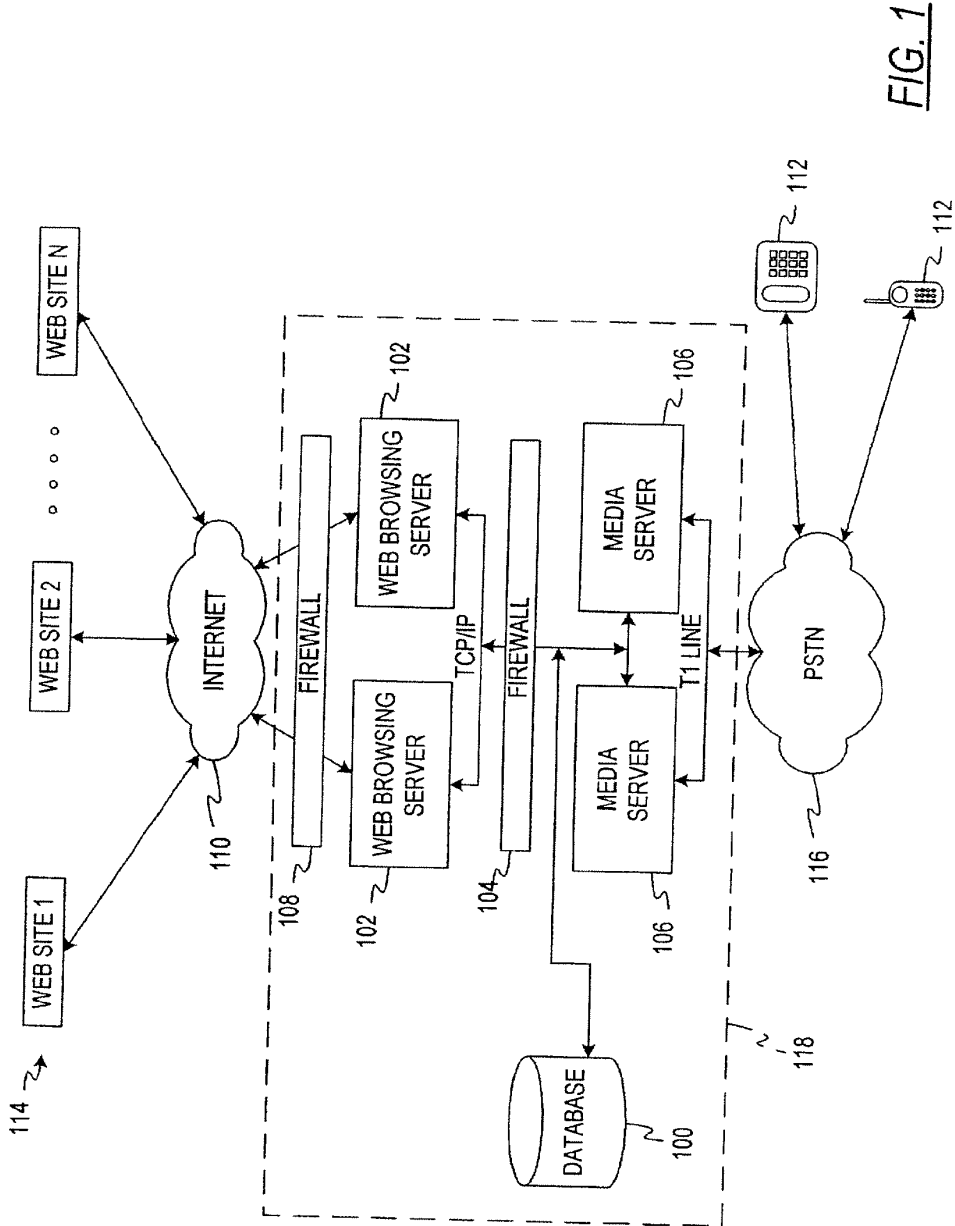


FIG. 1

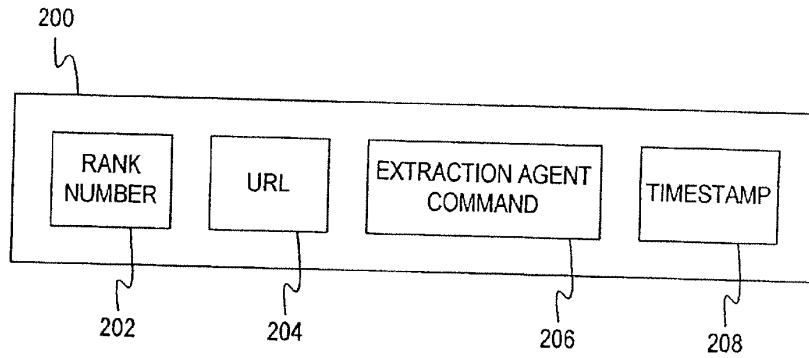


FIG. 2

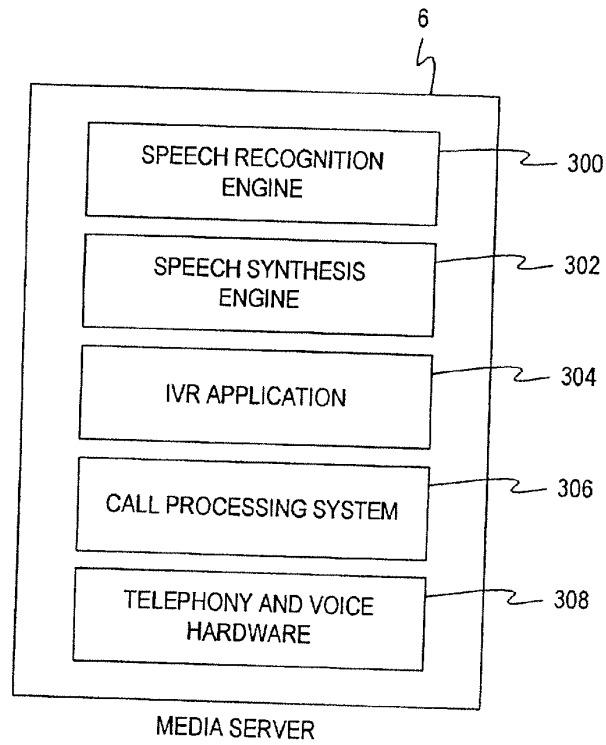


FIG. 3

3/4

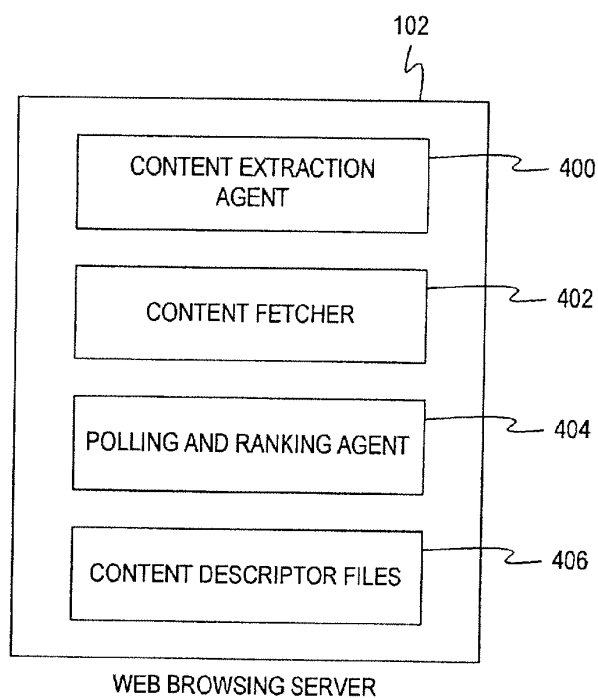


FIG. 4

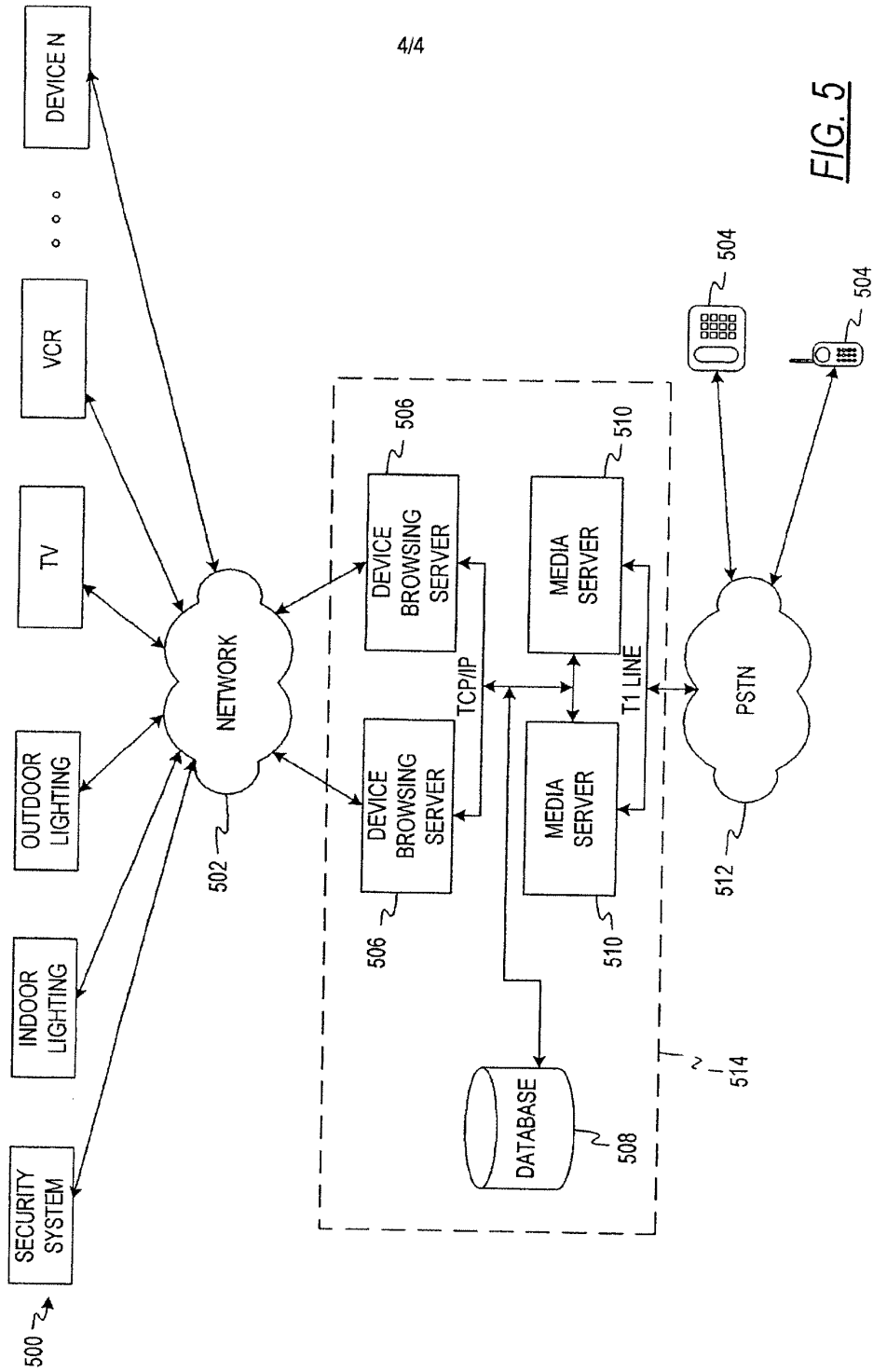


FIG. 5

**RULES 63 AND 67 (37 C.F.R. 1.63 and 1.67)  
DECLARATION AND POWER OF ATTORNEY**

**FOR UTILITY/DESIGN/CIP/PCT NATIONAL APPLICATIONS**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;  
and

I believe that I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: **ROBUST VOICE BROWSER SYSTEM AND VOICE ACTIVATED DEVICE CONTROLLER**, the specification of which: (mark only one)

- \_\_\_ (a) is attached hereto.
- X (b) was filed on February 5, 2001 as Application Serial No. 09/776,996 and was amended on \_\_\_ (if applicable)
- \_\_\_ (c) was filed as PCT International Application No. PCT/ \_\_\_ on \_\_\_ and was amended on \_\_\_ (if applicable).
- \_\_\_ (d) was filed on \_\_\_ as Application Serial No. \_\_\_ and was issued a Notice of Allowance on \_\_\_.
- \_\_\_ (e) was filed on \_\_\_ and bearing attorney docket number \_\_\_

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims as amended by any amendment referred to above or as allowed as indicated above.

I acknowledge the duty to disclose all information known to me to be material to the patentability of this application as defined in 37 CFR § 1.56. If this is a continuation-in-part (CIP) application, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose to the Office all information known to me to be material to patentability of the application as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

I hereby claim foreign priority benefits under 35 U.S.C. § 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate filed by me or my assignee

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disclosing the subject matter claimed in this application and having a filing date (1) before that of the application on which my priority is claimed or, (2) if no priority is claimed, before the filing date of this application:

PRIOR FOREIGN PATENTS

<u>Number</u>	<u>Country</u>	<u>Month/Day/Year Filed</u>	<u>Date first laid-open or Published</u>	<u>Date patented or Granted</u>	<u>Priority Claimed</u>	
					<u>Yes</u>	<u>No</u>

NONE

I hereby claim the benefit under 35 U.S.C. § 120/365 of any United States application(s) listed below and PCT international applications listed above or below:

PRIOR U.S. OR PCT APPLICATIONS

<u>Application No. (series code/serial no.)</u>	<u>Month/Day/Year Filed</u>	<u>Status(pending, abandoned, patented)</u>
60/180,344	February 4, 2000	Pending
60/233,068	September 15, 2000	Pending

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whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct them in writing to the contrary.

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

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***IN THE UNITED STATES PATENT AND TRADEMARK OFFICE***

Applicant: Alexander Kurganov et al.

Title: ROBUST VOICE BROWSER  
SYSTEM AND VOICE  
ACTIVATED DEVICE  
CONTROLLER

***Filed Via EFS-Web  
December 20, 2010***

Appl. No.: Unassigned

Filing Date: Herewith

Examiner: Unassigned

Art Unit: Unassigned

Confirmation Unassigned  
Number:

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

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

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of the documents cited by or submitted to the U.S. PTO in parent application Serial No. 12/030,556, filed 2/13/2008. As provided in 37 CFR §1.98(d), copies of the documents are not being provided since they were previously submitted to the United States Patent & Trademark Office in the above-identified parent application.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR

§1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), within three (3) months of the filing date of the application.

**RELEVANCE OF EACH DOCUMENT**

The relevance of the foreign-language documents is explained in the parent application.

Applicants respectfully request that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

Although Applicant believes that no fee is required, the Commissioner is hereby authorized to charge any additional fees which may be due to Deposit Account No. 19-0741.

Respectfully submitted,

Date December 20, 2010

By \_\_\_\_\_



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Substitute for form 1449/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				<b>Application Number</b>	To Be Assigned
Date Submitted: December 20, 2010				<b>Filing Date</b>	Herewith
(use as many sheets as necessary)				<b>First Named Inventor</b>	Alexander Kurganov
Sheet 1 of 12				<b>Art Unit</b>	Unassigned
				<b>Examiner Name</b>	Unassigned
				<b>Attorney Docket Number</b>	078616-1054-CON

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US 3,728,486	04-17-1973	Kraus	
		US 4,058,838	11-15-1977	Crager et al.	
		US 4,100,377	07-11-1978	Flanagan	
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		US 4,327,251	04-27-1982	Fomenko et al.	
		US 4,340,783	07-20-1982	Sugiyama et al.	
		US 4,371,752	02-01-1983	Matthews et al.	
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		US 4,523,055	06-11-1985	Hohl et al.	
		US 4,549,047	10-22-1985	Brian et al.	
		US 4,584,434	04-22-1986	Hashimoto	
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		US 4,771,425	09-13-1988	Baran et al.	
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				<b>Application Number</b>	To Be Assigned
Date Submitted: December 20, 2010				<b>Filing Date</b>	Herewith
(use as many sheets as necessary)				<b>First Named Inventor</b>	Alexander Kurganov
Sheet 2 of 12				<b>Art Unit</b>	Unassigned
				<b>Examiner Name</b>	Unassigned
				<b>Attorney Docket Number</b>	078616-1054-CON

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		<b>Examiner Name</b>	Unassigned
<b>Sheet</b>	3	<b>Attorney Docket Number</b>	078616-1054-CON
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	US 5,414,754	05-09-1995	Pugh et al.

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Sheet	4	of	12
		<b>Attorney Docket Number</b>	078616-1054-CON

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	US 5,416,834	05-16-1995	Bales et al.
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				<b>Attorney Docket Number</b>	078616-1054-CON

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	Document Number		
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	US 6,078,580	06-20-2000	Mandalia et al.

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Date Submitted: December 20, 2010				<b>Filing Date</b>	Herewith
(use as many sheets as necessary)				<b>First Named Inventor</b>	Alexander Kurganov
Sheet 8 of 12				<b>Art Unit</b>	Unassigned
				<b>Examiner Name</b>	Unassigned
				<b>Attorney Docket Number</b>	078616-1054-CON

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
		GB 2 240 693 A		08-07-1991	British Telecommunications		
		WO 91/18466		11-28-1991	Messenger Partners		
		EP 0 572 544 B1		09-04-1996	VMX, inc.		
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		WO 98/23058		05-28-1998	Premiere Comm., Inc.		

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		"A PABX that Listens and Talks", Speech Technology, January/February 1984, pp. 74-79.	
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		"Juggler by PureSpeech", p. 1, available at <a href="http://members.aol.com/compqanda1/juggler.html">http://members.aol.com/compqanda1/juggler.html</a> (accessed on December 8, 2006).	
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		MAEDA, et al., "An Intelligent Customer-Controlled Switching System", IEEE Global Telecommunications Conference, Hollywood, Florida, Nov. 28-Dec. 1, 1988, pp. 1499-1503.	
		MARKOWITZ, J., "The Ultimate Computer Input Device May Be Right Under Your Nose", <i>Byte</i> , December, 1995, pp. 1-13, available at <a href="http://www.byte.com/art/9512/sec8/art1.htm">www.byte.com/art/9512/sec8/art1.htm</a> (accessed Mar. 15, 2005).	
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		MARX, M., "Toward Effective Conversational Messaging" (Thesis). As indicated on the cover page, the thesis was presented to the Departmental Committee on Graduate Students, Program in Media Arts and Sciences, School of Architecture and Planning, Massachusetts Institute of Technology on May 12, 1995. According to the web site <a href="http://www.thesis.mit.edu/Dienst/Repository/2.0/Body/0018.mit.theses/1995-314/rfc1807bib">http://www.thesis.mit.edu/Dienst/Repository/2.0/Body/0018.mit.theses/1995-314/rfc1807bib</a> , attached hereto as Attachment 1, the thesis was indexed on March 21, 2000.	
		OYE, Phil, "Juggler", p. 1, available at <a href="http://www.philove.com/work/juggler/index.shtml">http://www.philove.com/work/juggler/index.shtml</a> (accessed on December 8, 2006).	
		OYE, Phil, "Juggler", p. 1, available at <a href="http://www.philoye.com/work/juggler_2.shtml">http://www.philoye.com/work/juggler_2.shtml</a> (accessed on December 8, 2006).	
		OYE, Phil, "Juggler", p. 1, available at <a href="http://www.philoye.com/work/juggler_3.shtml">http://www.philoye.com/work/juggler_3.shtml</a> (accessed on December 8, 2006).	
		PERDUE et al., "Conversant® 1 Voice System: Architecture and Applications", July 17, 1986, AT&T Technical Journal, pp. 1-14.	
		Plaintiff Parus Holdings, Inc.'s Supplemental Responses to Defendant Web Telephone LLC's First Set of Interrogatories (Nos. 1-12), <i>Parus Holdings, Inc. v. Web Telephony LLC Y Robert Swartz</i> , Case No. 06-cv-01146 (N.D. Ill.), October 31, 2006, 32 pages.	
		Plaintiff Parus Holdings, Inc.'s Supplemental Responses to Defendant Web Telephony LLC's Second Set of Interrogatories (Nos. 13-17), <i>Parus Holdings, Inc. v. Web Telephony LLC &amp; Robert Swartz</i> , Case No. 06-cv-01146 (N.D. Ill.), October 31, 2006, 31 pages.	

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		Print outs of Internet web site, "Wildfire Communications, Inc.," November 5, 1997, including print outs of the following web pages: <a href="http://www.wildfire.com">http://www.wildfire.com</a> (1 pg); <a href="http://www.wildfire.com/consumerhome.html">http://www.wildfire.com/consumerhome.html</a> (2 pgs.); <a href="http://www.wildfire.com/106.html">http://www.wildfire.com/106.html</a> (2 pgs.); <a href="http://www.wildfire.com/carrierhome.html">http://www.wildfire.com/carrierhome.html</a> (2 pgs.); <a href="http://www.wildfire.com/sfandb.html">http://www.wildfire.com/sfandb.html</a> (3 pgs); <a href="http://www.wildfire.com/about.html">http://www.wildfire.com/about.html</a> (1 pg.); <a href="http://www.wildfire.com/abtmgmt.html">http://www.wildfire.com/abtmgmt.html</a> (3 pgs); <a href="http://www.wildfire.com/scoop.html">http://www.wildfire.com/scoop.html</a> (2 pgs.); and <a href="http://www.wildfire.com/intel.html">http://www.wildfire.com/intel.html</a> (1 pg.); and <a href="http://www.wildfire.com/msft.html">http://www.wildfire.com/msft.html</a> (2 pgs).	
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		SARTORI, M., "Speech Recognition", April 1995, pp. 1-9, Mercury Communications, available at <a href="http://www.gar.co.uk/technology_watch/speech.htm">www.gar.co.uk/technology_watch/speech.htm</a> (accessed Mar. 15, 2005).	

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		SCHMANDT et al., "A Conversational Telephone Messaging Systems", IEEE Transactions on Consumer Electronics, 1984, vol. CE-30, No. 3, pp. xxi-xxiv.	
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Examiner Signature	Date Considered
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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 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.

**Application Data Sheet**

**Application Information**

**Application Type::** Regular  
**Subject Matter::** Utility  
**Suggested classification::**  
**Suggested Group Art Unit::**  
**CD-ROM or CD-R?::** None  
**Computer Readable Form (CRF)?::** No  
**Title::** ROBUST VOICE BROWSER SYSTEM AND  
VOICE ACTIVATED DEVICE CONTROLLER  
**Attorney Docket Number::** 078616-1054-CON  
**Request for Early Publication?::** No  
**Request for Non-Publication?::** No  
**Suggested Drawing Figure::** 1  
**Total Drawing Sheets::** 4  
**Small Entity?::** Yes  
**Petition included?::** No  
**Secrecy Order in Parent Appl.?::** No

**Applicant Information**

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**Representative Information**

<b>Representative Customer Number::</b>	27433	
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**Domestic Priority Information**

<b>Application::</b>	<b>Continuity Type::</b>	<b>Parent Application::</b>	<b>Parent Filing Date::</b>
This Application	Continuation of	12/030,556	2/13/2008
12/030,556	Continuation of	11/409,703	4/24/2006
11/409,703	Continuation of	10/821,690	4/9/2004
10/821,690	Continuation of	09/776,996	2/5/2001
09/776,996	An application claiming the benefit under 35 USC 119(e)	60/180,344	2/4/2000
09/776,996	An application claiming the benefit under 35 USC 119(e)	60/233,068	9/15/2000

**Foreign Priority Information**

<b>Country::</b>	<b>Application number::</b>	<b>Filing Date::</b>	<b>Priority Claimed::</b>

**Assignee Information**

**Assignee Name::** Parus Holdings, Inc.

## Electronic Patent Application Fee Transmittal

<b>Application Number:</b>				
<b>Filing Date:</b>				
<b>Title of Invention:</b>	ROBUST VOICE BROWSER SYSTEM AND VOICE ACTIVATED DEVICE CONTROLLER			
<b>First Named Inventor/Applicant Name:</b>	Alexander KURGANOV			
<b>Filer:</b>	Scott Richard Kaspar			
<b>Attorney Docket Number:</b>	078616-1054-CON			
Filed as Small Entity				
<b>Utility under 35 USC 111(a) Filing Fees</b>				
<b>Description</b>	<b>Fee Code</b>	<b>Quantity</b>	<b>Amount</b>	<b>Sub-Total in USD(\$)</b>
<b>Basic Filing:</b>				
Utility filing Fee (Electronic filing)	4011	1	82	82
Utility Search Fee	2111	1	270	270
Utility Examination Fee	2311	1	110	110
<b>Pages:</b>				
<b>Claims:</b>				
<b>Miscellaneous-Filing:</b>				
<b>Petition:</b>				
<b>Patent-Appeals-and-Interference:</b>				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
<b>Post-Allowance-and-Post-Issuance:</b>				
<b>Extension-of-Time:</b>				
<b>Miscellaneous:</b>				
<b>Total in USD (\$)</b>				<b>462</b>

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	9077988
<b>Application Number:</b>	12973475
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	1928
<b>Title of Invention:</b>	ROBUST VOICE BROWSER SYSTEM AND VOICE ACTIVATED DEVICE CONTROLLER
<b>First Named Inventor/Applicant Name:</b>	Alexander KURGANOV
<b>Customer Number:</b>	27433
<b>Filer:</b>	Scott Richard Kaspar/Sherry Cunningham
<b>Filer Authorized By:</b>	Scott Richard Kaspar
<b>Attorney Docket Number:</b>	078616-1054-CON
<b>Receipt Date:</b>	20-DEC-2010
<b>Filing Date:</b>	
<b>Time Stamp:</b>	17:35:06
<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$462
RAM confirmation Number	5210
Deposit Account	
Authorized User	

### File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
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1		Complete_Specification_078616_1054CON_12202010.pdf	3013511	yes	73
			0f8bb6d17cbe3015242c02d37287ae18c2859620		
<b>Multipart Description/PDF files in .zip description</b>					
		<b>Document Description</b>	<b>Start</b>	<b>End</b>	
		Transmittal of New Application	1	3	
		Specification	4	42	
		Claims	43	47	
		Abstract	48	48	
		Drawings-only black and white line drawings	49	52	
		Oath or Declaration filed	53	56	
		Transmittal Letter	57	58	
		Information Disclosure Statement (IDS) Filed (SB/08)	59	70	
		Application Data Sheet	71	73	
<b>Warnings:</b>					
<b>Information:</b>					
2	Fee Worksheet (PTO-875)	fee-info.pdf	33236	no	2
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<b>Warnings:</b>					
<b>Information:</b>					
<b>Total Files Size (in bytes):</b>			3046747		



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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.