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Application Number: 14563712 Document Date: 12/08/2014

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(INSTITUTION OF HIGHER EDUCATION BASIS)

Application Number or Control Number (if applicable):	Patent Number (if applicable):
First Named Inventor: Rida A. Bazzi	Title of Invention: SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT

CERTIFICATION ON THE BASIS OF EMPLOYMENT BY AN INSTITUTION OF HIGHER EDUCATION

The applicant hereby certifies the following—

The applicant qualifies as a small entity as defined in 37 CFR 1.27.

The applicant's employer, from which the applicant obtains the majority of the applicant's income, is an institution of higher education as defined in section 101(a) of the Higher Education Act of 1965 (20 U.S.C. 1001(a)).

SIGNATURE by a party set forth in 37 CFR 1.33(b)					
Signature					
Name					
Date		Telephone		Registration No.	
☐	There is more than one inventor and I am one of the inventors who are jointly identified as the applicant. Additional certification form(s) signed by the other joint inventor(s) are included with this form.				

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SIGNATURE by a party set forth in 37 CFR 1.33(b)					
Signature	/Ari M. Bai/				
Name	Ari M. Bai				
Date	2014-12-08	Telephone	(602)650-2061	Registration No.	45342
☐	There is more than one inventor and I am one of the inventors who are jointly identified as the applicant. Additional certification form(s) signed by the other joint inventor(s) are included with this form.				

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UNITED STATES NON-PROVISIONAL PATENT APPLICATION
FOR

SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT

Inventors:
Rida A. Bazzi
Mohsen Zohravendi

Prepared by:

Polsinelli PC
One Washington Street, Suite 1200
Phoenix, Arizona 85004

Attorney's Docket No.: 055743-466098

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SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT

CROSS REFERENCE TO RELATED APPLICATIONS

[0001] This application claims benefit to U.S. provisional application Serial No. 61/192,716 filed on December 6, 2013, which is incorporated by reference in its entirety.

GOVERNMENT SUPPORT

[0002] This invention was supported by funding from the Federal Government through the National Science Foundation under Grant/Contract No. CSR-0849980.The Government may have certain rights in the invention.

[0003] Aspects of the present disclosure relate to a system for securing access to sensitive content on the Internet, and in particular to a system for accessing different kinds of content with different browser instances.

BACKGROUND

[0004] Content delivered through web browsers continues to be a major vector of attack in personal computing systems. A large variety of attacks exploit what might be termed convenience features of browser content. Executing scripts, such as JavaScript, in web browsers enable a richer browsing experience and enabling cookies allow for the convenience of maintaining a state across multiple pages. Unfortunately, convenience features also enable richer attack modalities. The tension between providing richer content and providing security is real and it is not only due to technical reasons; the more features a system has, the less likely it is for a novice, or even for an experienced user, to get the system settings right. Default browser security settings do not do much to mitigate the situation. Unless security settings are draconian in nature, such as disabling all active content for example (which will also diminish the browsing experience) they do not solve the problems introduced by these convenience features. The possibility that a browser process is compromised by malicious content increases with the usage of the

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process. The more sites are visited, the more likely it is that malicious content is running in the browser.

[0005] Accessing many sources of content on a browser may result in a difficulty for the user to locate tabs and content. For example, a user might have multiple windows open at a time and in order to locate particular content might have to look in multiple windows, which is tedious. A method is needed to facilitate the organization of content in web browsers into different categories without extra overhead incurred by the user.

[0006] It is with these concepts in mind, among others, that aspects of the present disclosure were conceived.

SUMMARY

[0007] Aspects of the present disclosure include systems, methods, and/or non-transitory computer readable mediums for automatic fresh browser instance system allowing different categories of content to be displayed in different independent browser instances. The systems and/or methods include at least one computing device that includes an enforcer to ensure that web content satisfying two different categorizations is not accessed by a first browser instance of a web browser and an enabler to generate a second browser instance of the web browser to access a portion of the web content that satisfies one category of the at least two different categories.

BRIEF DESCRIPTION OF THE DRAWINGS

[0008] FIG. **1** are screen shots of a request to a third party entity and a message display for the automatic fresh browser instance (FBI) system;

[0009] FIG. **2** is a screen shot of two different browsers for the automatic FBI system;

[0010] FIG. **3** is an example COI written by an experienced user;

[0011] FIG. **4** is a simplified block diagram of the automatic FBI system;

[0012] FIG. **5** is TABLE **1** showing a performance evaluation for a tracer;

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[0013] FIG. **6** is a flow chart illustrating one method of using the automatic FBI system for a novice user;

[0014] FIG. **7** is a flow chart illustrating another method of using the automatic FBI system for an experienced user; and

[0015] FIG. **8** is a block diagram of a computing system.

[0016] Corresponding reference characters indicate corresponding elements among the various views of the drawings. The headings used in the figures should not be interpreted to limit the scope of the claims.

DETAILED DESCRIPTION

[0017] Aspects of the present disclosure involve an automatic fresh browser instance ("FBI") system ("FBI system") for implementing a process that automates compartmentalization practices for accessing different kinds of Internet content with different browser instances. For example and in various aspects, the FBI system may use system-call interception to restrict connections to web servers, which requires tracing all system calls made by a given instance of a web browser. In another example, the FBI system may use browser extensions to obtain the URL that the browser is attempting to access. Additionally, in order not to interfere with browser functionality, sites for which access is restricted for a given instance are serviced through a combination of DNS-query rewriting and replacement of restricted pages with default pages. In order to keep track of all active browser instances and their conflict of interest ("COI") classes, a daemon outside the browser keeps track of active instances and launches new instances as needed. To communicate the URL of the website being accessed to the daemon, an intermediate process forwards messages between the browser extension and the daemon. Finally, to avoid buffer overflow attacks, URLs may be read using constant-bounds while loops.

[0018] According to other aspects, the FBI system may automatically launche an FBI whenever the current browser instance should not be used to handle a requested website. The launched browser need not be the same as its launcher; for example, the launched browser can be Firefox while the launcher can be Chrome, for example.

[0019] Not all users are equally savvy in setting security preferences. Accordingly, for certain FBI system users, such as for example a or novice user, a default usage model may be employed that allows safe browsing for and does not change the way users access the Internet.Alternatively, for more experienced users, a nuanced usage model is employed by the FBI system that allows users to define simple yet powerful security preferences to allow them to access multiple sites in the same conflict of interest (COI) instance.

Contributions

[0020] In one embodiment, the FBI system provides protection against information leakage (privacy protection) as well as protection against some active attacks (integrity threats); such as cross site request forgery and clickjacking attacks are prevented. Stated differently, no unauthorized access to sensitive content can be done using these attacks.

[0021] In another embodiment, the automatic FBI implements an effective approach for providing secure access to sensitive content for a novice user, while allowingan experienced user to specify COI classes of content that can coexist in a browser instance.

[0022] The FBI system is as an effective, easy to use, and general approach for providing secure access to sensitive content for novice users. Unlike other approaches, the FBI system approach is tolerant of privacy as well as integrity attacks while being browser-independent.

System and Threat Model

[0023] The disclosed FBI system consists of a client side and a server side. Web clients typically run in web browsers. Web browsers retrieve web content delivered by web servers. Web servers and web content have origins associated with them. Web content is acted upon by the web browser. Content might be active which requires the browser to execute some code to process it. The FBI system includes or otherwise implements a browser that processes content from a given origin to be a delegate of the origin. Web content is retrieved using web queries, which can be a simple query that specifies the address of the content in the form of a URL (uniform resource locator) which consists of a domain name and file path or an active query that consists of the above and parameters that are passed to server-side code -- scripts -- that use the parameters to process the query. A web server

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might require credentials from a web browser in order to authenticate the principal requesting queries. Credentials are typically provided when initial access is requested, typically in the form of a login id and password. Once credentials are approved, a cookie is stored by the browser to be used for future authentication. At that point the browser acts as a delegate of the authenticated principal.

[0024] An instance of a web browser is a software process that executes the browser code and has associated with it a profile which includes information such as preferences, browsing history, cookies, bookmarks, and saved passwords. A profile captures an execution state of the browser. When a browser exits, some information might be deleted from the profile, non-persistent cookies for example, but other information in the profile is saved. When a browser is restarted after exiting, the profile provides continuity between the old browser process and the new process.

[0025] Given that a browser instance can be processing content from different sources, and therefore is a delegate for these sources, it is important that these various roles do not get mixed together in the browser. For example, a script running in a browser on behalf of one source should not be able in general to read data associated with another source in the browser -- such as passwords being entered in a form. Such restrictions are expressed as security policies and are enforced by the browser. Unfortunately, given the great flexibility provided by the browser, scripts have the ability to obtain information indirectly through attempted access to forbidden resources and to communicate directly and indirectly with their origins. This flexibility makes it hard to enforce policies and even when policies are correctly enforced, they might still allow undesired behavior. Single Origin Policy (SOP) is an example of a policy that can be circumvented rather easily. In general, a security policy restricts what actions can be done by the various system processes. Abstractly, one can think of a policy as a set of allowed system executions. A policy for a web browser expresses what executions of the browser are allowed and which executions are not allowed as seen by an external observer. In other words, a policy on a web browser is a restriction on the input/output behavior of the browser.

[0026] A browser is susceptible to an attack relative to a security policy if some browser executions do not satisfy the security policy. Attacks are defined not in terms of the specific technical modalities to achieve them, but in terms of what can be achieved. In general, an attack requires the browser to get and process content

from one or more attack origins. In describing an attack assume that there are at least three classes of origin: HIGH, LOW, and AUTH (authenticated). Also assume LOW is disjoint with both HIGH and AUTH, but HIGH and AUTH need not be disjoint. The following are attack models detectable by the system(s) described herein.

[0027] 1. Information Leakage (Leakage): An attacker is able to launch an information leakage attack if a LOW origin is able to receive content from a HIGH origin through the browser.

[0028] 2. Cross Site Request Forgery (CSRF): An attacker is able to launch a CSRF attack if requests to an AUTH origin to which the browser is already authenticated depends on content from a LOW origin.

[0029] 3. Clickjacking (UI Redress): UI redress attack is similar to CSRF attack, but requires user participation by interacting with user interface elements. It is typically achieved by exploiting features of the user interface to let a user interact with a target website when they think that they are interacting with other content.

Use Model

Novice User

[0030] A security mechanism has a better chance to be effective if it is well understood and easy to use. This is especially true for novice users. Accordingly, the FBI system enables the processing of two types of sites for a novice user: sensitive sites and every other type of site. Access to a sensitive site is done through a dedicated FBI. Access to all other sites is done through separate browser instance(s) as it would be done without Auto-FBI. When a user attempts to access a sensitive website by clicking on a link or entering a URL directly in the address bar, an FBI is created to handle the access. When the user finishes accessing the sensitive site, the user can close the FBI or minimize it. If the user later attempts to access the sensitive site from another browser instance, a new instance is activated again, or, if there is an existing active instance for the site, that instance is used to process the request. For added security, the FBI may be opened without an address bar, menus or tabs to emphasize that the access is meant for only one site. This simple usage model is preferable to a model that requires the user to define security policies which is not uncommon in mechanisms that are claimed to be transparent.

[0031] Access for a novice user is illustrated in a process flow **600** of Fig. **6**, with reference to the browsers depicted in Figs **1** and **2**. Referring initially to Fig. **6**, a user launches a first browser instance at **602** and instructs the browser to retrieve a URL at **604.** Referring to Fig. **1**, a request is made to www.bankofamerica.com**.** Referring back to Fig. **6**, the automatic FBI system determines if the URL is sensitive at **606** and if so, the automatic FBI system redirect the first browser instance to a default page at **608**. If the URL is determined not to be sensitive, the first browser instance retrieves the URL at **616.**

[0032] Referring back to Fig .**1**, when a URL is sensitive, instead of displaying the requested page in the current instance browser **102**, the automatic FBI system displays a message at **104**. In the illustrated embodiment of Fig. **1**, the message indicates that the requested website handles sensitive information and that a new browser window will be opened to handle the request for security reasons.

[0033] Alternatively, instead of displaying a warning message, as in the illustrated embodiment of Fig. 1, and to reduce mental overhead on the user, no message is displayed in the current instance.

[0034] Referring again to Fig. **6**, a fresh second instance of the browser is automatically launched by the FBI system without menus, tabs, or address bars at **610** that retrieves the requested URL at **612**. Fig. **2** illustrates that a requested page with sensitive content may be accessed by a fresh instance **202** of a different browser while the browser that made the original request displays a warning message, as illustrated at **104.** Referring back to Fig. **6**, once the URL has been served by the second instance, a user may interact with the web content and/or web page presented through the URL. In another embodiment, address bars and menus might still be made available to the user.

Experienced User

[0035] For the experienced user, the FBI system allows content from more than one domain to coexist within a browser instance. The idea is to allow content originating from a conflict of interest (COI) class to coexist within a browser instance. As an example, an experienced user might define a COI class that contains some specific financial institutions and another class that contains some specific news sources. In a given browser instance, content from sources that belong to the same COI class can coexist as separate tabs or as content within the same page if a page

links to content from multiple sources in the same COI class. An experienced user defines conflict of interest classes **300** in a classes file as illustrated in Fig. **3**. The file consists of multiple sections, one for each COI class, but the first section specifies common domains, such as certificate authorities, that should be accessible by all COI classes. Each section starts with a line that defines the browser to be used followed by one or more lines that list the domains for the COI class. Any domain that does not appear explicitly in one of the COI classes or the first section is assumed to belong to an implicitly declared {\em general COI class. When a browser is launched by the user, it is associated with the general class. If the user attempts to access a site from a domain in a class other than the general class, then, if there is no active browser instance associated with that class, a new browser instance for that class is created to process and display

the site. If there is an active browser instance for the class of the requested site, then the request is processed and displayed in that instance. To allow for using different browsers for different classes, e.g. using Google Chrome for e-commerce and Mozilla Firefox for banking, we specify the browser type rule that should be followed for each class with a type descriptor (that comes immediately after a in the sample file):

- 'F': Mozilla Firefox instance should be used
- 'C': Google Chrome instance should be used
- '=': the launched browser instance should be the same type as the launcher
- '!': the launched browser instance type should be different from that of the launcher
- '_': places no restriction on the type of the browser

[0036] The implicit general class has the implicit type descriptor '_', so both Google Chrome and Mozilla Firefox can be used to browse websites from the general class. While Google Chrome and Firefox have been provided as examples, it is contemplated that any type of internet browser, or any browser accessible by a user, may be used.

[0037] The example file shown in Fig. **3** has two explicit COI classes (we will refer to them as C_1 and C_2 as shown in the comments). The first class C_1 **302** has type descriptor '!' and the second class C_2 **304** has type descriptor 'C. To demonstrate

the user experience, let's consider the following scenario: user opens Google Chrome to start browsing, an instance of Google Chrome of the general class is created. The user can navigate to any site that is not listed in C_1 **302** and C_2 **304** in that browser instance. If the user tries to navigate to www.bankofamerica.com which is listed in C_1 **302**, a fresh instance of Mozilla Firefox will be created to handle the request. That is because the type descriptor for C_1 **302** specifies that an instance with a different type from that of the launcher (Google Chrome in this example) should be used. If the user tries to access www.facebook.com from the Mozilla Firefox instance, the request will be handled by the existing Google Chrome instance of the general class. That is because the general class has the implicit type descriptor '_' which allows the system to use the available instance. If the user navigates to www.ebay.com from any of the previous instances, a new instance of Google Chrome will be launched to handle the request regardless of the browser type used to initiate the request.

[0038] Access for an experienced user is illustrated in a process flow **700** of Fig. **7**. As illustrated, at **702,** process **700** begins with a user launching a first browser instance (instance_1) that is associated with the general class. The FBI system then receives input requesting retrieval of a URL from a specific one of a set of running browser instances, instance X, at **704.** If the class associated with instance X is the same as the class associated with the URL at **706**, the instance X retrieves the URL at **710**. When the class associated with instance X is not the same as the class associated with the URL, the FBI system directs instance X to a default page at **708**. Subsequently, the FBI system determines whether there is a different browser instance, instance Y that is associated with the class of the URL at **714.** If the class associated with instance Y is the same as the class associated with the URL, the FBI system sends a message to instance Y to handle the URL at **716** and instance Y retrieves the URL at **720**. When the class associated with instance Y is not the same as the class associated with the URL, the FBI system directs instance Z to retrieve the URL at **718**.

[0039] Thus the FBI system includes an enforcement mechanism with the ability to prevent a browser instance from communicating with sources that are not in its COI class and an enabler mechanism for starting FBI's as needed. The FBI system involves three main embodiments to provide the proposed functionality: (1) functionality included inside the browser through modification of the browser code;

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(2) functionality implemented as a browser extension; and/or (3) functionality implemented outside the browser.

- **Enforcement inside the browser**: The desired functionality could be provided by modifying the browser to add the desired enforcement rules. **Enforcement in a browser extension**: In a typical web browse (e.g., Chrome) extensions may be a combination of JavaScript and native code that is controlled by JavaScript.
- **Enforcement outside the browser:** Enforcement outside the browser can be achieved by intercepting the browser's system calls and only allowing those calls that are according to policy. %Calls that cannot be processed within the current instance will be processed by creating an FBI to process them. Enforcement outside the browser does not preclude implementing part of the enabler mechanism inside the browser. In fact, for technical reasons that we explain later in this section, this is the approach we take. Compromising the enabler mechanism would not allow an attacker to access sensitive content through the wrong browser instance.

System Components

[0040] The system has two main components. One component, an enforcer, intercepts system calls and modifies them as needed to ensure that sensitive content is only accessed through the appropriate instance of the browser. Another component, an enabler determines when sensitive content is requested and, if needed, launches a new fresh instance of the browser to access the content.

Enforcer

Intercepting System Calls.

[0041] To intercept system calls, the system includes a ptrace API available in Linux. This API allows one program (tracer) to be notified and take control of every system call made by another program (browser). The kernel puts the browser to sleep when it makes a system call and notifies the tracer. The tracer can then modify the contents of process virtual memory or registers and then let the browser resume execution. When the system call gets executed and returns from the kernel, and before the control gets back to the browser, the kernel notifies the tracer once more. At this point the tracer can also modify the return value of the system call.

Using this API enables us to control every interaction between the browser and the operating system. The ptrace API is also used by many sandboxing applications to control system access.

[0042] In one embodiment, the browser issues a connect system call when it needs to make a network connection, and it uses recvfrom or read to receive data from a network host.

Redirecting DNS Queries.

[0043] When a browser makes a DNS query, the tracer checks whether or not the requested network name is allowed to be accessed by the current browser instance. If it is not allowed to be accessed, the tracer changes the IP addresses in the DNS response to a predefined IP address which is the loopback address. This prevents the browser from connecting to the restricted website. At the same time, the attempted access is detected by the enabler mechanism of Auto-FBI and a new instance is launched as needed.

Intercepting IP Communication

[0044] The IP addresses used by the browser are not always preceded by DNS queries. In fact for security reasons, IP addresses obtained from DNS queries are typically cached (IP pinning) by browsers even if the TTL from the DNS response is set to 0.

- IP addresses that are cached by the browser and obtained from a previous DNS query. IP addresses that are obtained through DNS queries are cached by Auto-FBI in a whitelist if the original DNS query is not redirected. A later use of such an IP address is compared against Auto-FBI's whitelist of IP addresses. If the IP address is not on the whitelist, it is blocked.
- Browser hardcoded IP addresses. Hand-coded IP addresses. IP addresses that are directly entered by the user have legitimate usages such as setting up some LAN services (NAT setup for example). Such usages should be allowed. As a policy one can allow some LAN IP addresses and associate a class with each allowed address.

[0045] Fig. **4** illustrates a scenario 400 in which a browser instance whose COI class is different from that of the website it is trying to connect to. First it makes a DNS query to resolve the IP address (1), the DNS response is detected by the

system (2) and the requested domain name is checked against the list of COI classes (3). Since the browser is running in a different class, the system rewrites the IP address in the DNS response (4) and returns the result to the browser. The browser would not have access to the actual IP address for www.bank.com and hence it is not able to connect to it. The browser could not communicate directly with www.bank.com using the actual IP address of www.bank.com because that IP address of www.bank.com is not added to the whitelist of the current instance.

Enabler: Launching Fresh Instances

[0046] To manage browser instances running in the system and launching new instances, the FBI system implements or otherwise includes a daemon which keeps track of all browser instances. The information on which new instances need to be launched comes from the extension component. The extension reports all URLs requested by the user to the daemon and also listens for incoming messages from the daemon in which case it will open the URL in a new tab. The daemon decide how to handle the URL sent by the extension: either open it in an existing browser instance by sending a message to the extension running in that instance or open a fresh instance in case an appropriate instance is not running.

[0047] As discussed in the previous section, having part of the enabler mechanism in the browser does not affect security. Even if a browser is compromised and the extension is also compromised, all that would affect is the URL communicated by the extension, but that has no effect on the tracing of system calls and blocking them. That part is independent and is enforced through a mechanism that is completely outside the browser by the Enforcer. So, compromising the browser might affect the progress requirement of the browser, but does not affect the safety requirements of the enforcement.

Security Guarantees

[0048] The FBI system restricts communication to IP addresses that are on the whitelist for the COI class of the executing browser instance. The IP addresses on the whitelist of one class can be one of the following: (1) IP addresses corresponding to a domain from the common domain list, or (2) IP addresses of a domain in the COI class. So, if DNS is not compromised, only content from sources in a given COI class can run on a browser instance associated with that class. For sensitive content whose servers are typically authenticated, the assumption on DNS

not being compromised is not needed and the system provides the desired isolation that ensures that there is no leakage of sensitive content between various instances (assuming the authentication mechanism is secure). This means that attacks such as CSRF or Clickjacking cannot be used to access sensitive content. In fact, content (scripts) used to launch such attacks are assumed to belong to COI classes that are not part of the sensitive COI classes. This is especially evident in the novice user scenario. For the experienced user, a non-judicious choice of classes can pose a security risk.

[0049]

Implementation Details

The prototype is composed of two separate modules: (1) Enforcer and (2) Enabler.

Enforcer

[0050] Using Linux ptrace API, the system may trace every system call made by a child process to keep track of the application's access to system resources including network and file system.

[0051] There are two options for a tracer to start tracing the tracee: (1) TRACEME and (2) ATTACH. The first option is usually used in the following way: the tracer forks a new child process and in the child process calls ptrace with TRACEME command, which causes it to be traceable by its parent process (the tracer), then it runs the target program by calling exec. The second option can be used to trace an already-running-process by attaching to it. The enforcer uses the TRACEME option by default (including the implementation for Firefox), but due to Chrome's use of the SETUID access flag in its sandboxing process, the enforcer uses the ATTACH option with GOOGLE Chrome. Using ATTACH leaves an enforcement gap: from the time that the tracer launches Chrome until the tracer attached to the browser, the browser is not traced. Using ATTACH leaves an enforcement gap: from the time that tracer launches Chrome until the tracer attaches to the browser, the browser is not traced. This should not be a source of vulnerability if the default home pages are safe. Using ATTACH means that part of the enforcer that is involved in setting up the tracing is browser dependent, but the rest of the enforcement when the ATTACH option is used and the whole enforcement using the TRACEME option are generic and not dependent on the browser.The ptrace API allows one to trace a process and

all its child processes and threads by specifying certain options: PTRACE_O_TRACEFORK and PTRACE_O_TRACECLONE. So the system can make sure that a process cannot escape the tracer by creating a child process or a new thread.

[0052] For every system call made by the tracee, the tracer is notified twice: once before the call is handed over to the kernel for execution and once after the call returns from the kernel but before it is handed back to the tracee. So the tracer has two chances to modify a system call: it can change the parameters provided by the tracee to the kernel, or change the values returned by the kernel. To restrict the browser's access to websites, the system may monitor the following system calls: itemize

- Connect: Connects a socket file descriptor to a network address. It is also used for IPC.
- rcvfrom: Receives data through a socket file descriptor
- read: Can be used to receive data from the network (through a socket file descriptor)

DNS Queries

[0053] To prevent the browser from accessing certain websites, the system keeps track of the DNS queries made by the browser to find out if it is trying to connect to a restricted website. The system can prevent the access by rewriting the IP addresses in the DNS response to point to a predefined address.

[0054] In order to accomplish this, the system needs to process the following system calls: rcvfrom and read. (Depending on the browser, other system calls such as rcvmsg and rcvmmsg may need to be processed). If the port number matches the port number of the DNS protocol, the system read the IO buffer from the tracee's memory and analyzes the DNS message. If the system decide to rewrite the IP addresses in the DNS message, the system do so by writing to the tracee's virtual memory.

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IP White-list

[0055] To prevent the browser from connecting to a restricted website by using a hard-coded IP address, the system employs a white-list of IP addresses that the browser is allowed to connect to.

[0056] Initially, it is populated with the DNS service IP address (usually the local DNS client, 127.0.0.1) and a list of pre-defined IP addresses (to allow for LAN addresses). When the browser makes a DNS query, one of the following happens: either the response is changed to prevent access in case the URL is not allowed or the IP addresses in the response are added to the white-list. When the browser issues a connect system call, the system would only allow it to go through if the IP address is in the white-list. By doing this, the system ensures that the browser does not circumvent the system mechanisms by connecting to a hard coded IP address directly.

Enabler

Browser Extension

[0057] All browser instances are equipped with an extension that is responsible for two tasks: (1) report all user-requested URLs to the daemon and (2) open a new tab for URLs requested by the daemon. When the extension reports a URL to the daemon, the daemon decides if the URL should be handled by the reporting instance or by another instance. The system has developed separate JavaScript extensions for Mozilla Firefox and Google Chrome. Since the extensions cannot directly communicate with the daemon, the system has a native application written in C that is responsible for forwarding messages between the daemon and the extension. The native application communicates at one end with the browser extension through the browser API Native Messaging API in case of Google Chrome and in js-ctypes API in case of Mozilla Firefox) and it communicates with the daemon on the other end through Unix Domain Sockets. The native application's process is a child process of the browser instance and hence can be considered a part of the browser extension module. It is interesting to note that the code size of the extension (and its associated native application) is small compared to that of the enforcer: around 3K lines of code for the enforcer and daemon vs. 460 for the chrome extension and 280 for the Firefox extension.

Daemon

[0058] The daemon is a multi-threaded C program that uses Unix Domain Sockets to communicate with browser extensions. It is responsible for deciding how to handle restricted URLs by either dispatching it to an already-running instance that is allowed to access the URL or creating a fresh new instance. For every browser instance running in the system, it has a separate thread to communicate with the instance. It keeps a record for each running browser instance along with a queue of outgoing messages for that instance in a shared data structure. When it receives a message from a browser extension, it chooses to either send a message to the browser extension in one of the running browser instances or run a fresh instance. It compares the COI class of the URL contained in the incoming message with that of the sender. If they match, it ignores the message because the sender will not be blocked when attempting to access the URL; otherwise it decides how to handle the message according to the classes file.

Browser Instances and User Profiles

[0059] A browser instance is associated with a profile that captures its execution state. In practice, most browsers support user profiles to enable the multi-user use case. User profiles are very similar in different browsers: a folder stored somewhere in the user's home directory that contains information such as the user's web history, cookies, cache, and preferences. Fortunately, most browsers also provide a way of using multiple profiles for a user in addition to the user's default profile. In case of Mozilla Firefox and Google Chrome, creating a fresh instance of the browser is as easy as creating an empty directory and instructing the browser to use that directory to store the user profile (though this would be cumbersome to do manually). In one embodiment, the default user profile (the one managed by the user) is associated with the general COI class. Other COI classes do not necessarily have a persistent profile: a temporary profile ~~is~~ can be created whenever the instance is created and can be deleted after the instance is closed. Alternatively, profiles for COI classes can be kept when the browser is closed. The user spends most of the time using the default profile since most URLs fall into the general COI category, hence allowing the user to manage that profile improves usability. Using temporary profiles for other COI classes ensures tighter security without much effect on usability.

System Architecture

[0060] In some embodiments, any suitable hardware can be used to provide one or more portions of the components and functions described above, and such hardware can be implemented in one or more general purpose devices such as a computer or a special purpose device such as a client, a server, etc. Any of these general or special purpose devices can include any suitable components such as a hardware processor (which can be a microprocessor, digital signal processor, a microcontroller, etc.), memory, communication interfaces, display controllers, input devices, etc., and can be configured to operate in response to software instructions consistent with the functionality described herein.

[0061] In some embodiments, any suitable computer readable media can be used for storing instructions for performing the processes described herein. For example, in some embodiments, computer readable media can be transitory or non-transitory. For example, non-transitory computer readable media can include media such as magnetic media (such as hard disks, floppy disks, etc.), optical media (such as compact discs, digital video discs, Blu-ray discs, etc.), semiconductor media (such as flash memory, electrically programmable read only memory (EPROM), electrically erasable programmable read only memory (EEPROM), etc.), any suitable media that is not fleeting or devoid of any semblance of permanence during transmission, and/or any suitable tangible media. As another example, transitory computer readable media can include signals on networks, in wires, conductors, optical fibers, circuits, and any suitable media that is fleeting and devoid of any semblance of permanence during transmission, and/or any suitable intangible media.

[0062] Fig. 8 illustrates an example of a computing node 800 which may comprise an implementation of the system 201. The computing node 800 represents one example of a suitable computing device and is not intended to suggest any limitation as to the scope of use or functionality of embodiments of the invention described herein. Regardless, the computing node 800 is capable of being implemented and/or performing any of the functionality described above.

[0063] As illustrated, the computer node 800 includes a computer system/server 802, which is operational with numerous other general purpose or special purpose computing system environments or configurations. Examples of well-known computing systems, environments, and/or configurations that may be

suitable for use with computer system/server 802 may include personal computer systems, server computer systems, thin clients, thick clients, handheld or laptop devices, multiprocessor systems, microprocessor-based systems, set top boxes, programmable consumer electronics, network PCs, minicomputer systems, mainframe computer systems, and distributed cloud computing environments that include any of the above systems or devices, and the like.

[0064] Computer system/server 802 may be described in the general context of computer system executable instructions, such as program modules, being executed by a computer system. Generally, program modules may include routines, programs, objects, components, logic, data structures, and so on that perform particular tasks or implement particular abstract data types. Computer system/server 802 may be practiced in distributed cloud computing environments where tasks are performed by remote processing devices that are linked through a communications network. In a distributed cloud computing environment, program modules may be located in both local and remote computer system storage media including memory storage devices.

[0065] As shown in FIG. 8, computer system/server 802 in computing node 800 is shown in the form of a general-purpose computing device. The components of computer system/server 802 may include one or more processors or processing units 804, a system memory 806, and a bus 808 that couples various system components including system memory 806 to processor 804.

[0066] Bus 808 represents one or more of any of several types of bus structures, including a memory bus or memory controller, a peripheral bus, an accelerated graphics port, and a processor or local bus using any of a variety of bus architectures. Such architectures may include Industry Standard Architecture (ISA) bus, Micro Channel Architecture (MCA) bus, Enhanced ISA (EISA) bus, Video Electronics Standards Association (VESA) local bus, and Peripheral Component Interconnects (PCI) bus.

[0067] Computer system/server 802 typically includes a variety of computer system readable media. Such media may be any available media that is accessible by computer system/server 802, and it includes both volatile and non-volatile media, removable and non-removable media.

[0068] System memory 806 may include computer system readable media in the form of volatile memory, such as random access memory (RAM) 810 and/or

cache memory 812. Computer system/server 802 may further include other removable/non-removable, volatile/non-volatile computer system storage media. By way of example only, storage system 813 can be provided for reading from and writing to a non-removable, non-volatile magnetic media (not shown and typically called a "hard drive"). Although not shown, a magnetic disk drive for reading from and writing to a removable, non-volatile optical disk such as a CD-ROM, DVD-ROM or other optical media can be provided. In such instances, each can be connected to bus 808 by one or more data media interfaces. As will be further depicted and described below, memory 806 may include at least one program product having a set (e.g., at least one) of program modules that are configured to carry out the functions of embodiments of the invention.

[0069] Program/utility 814, having a set (at least one) of program modules 816, may be stored in memory 806, as well as an operating system, one or more application programs, other program modules, and program data. Each of the operating system, one or more application programs, other program modules, and program data or some combination thereof, may include an implementation of a networking environment. Program modules 816 generally carry out the functions and/or methodologies of embodiments of the invention as described herein.

[0070] Computer system/server 802 may also communicate with one or more external devices 818 such as a keyboard, a pointing device, a display 820, etc.; one or more devices that enable a user to interact with computer system/server 802; and/or any devices (e.g., network card, modem, etc.) that enable computer system/server 802 to communicate with one or more other computing devices. Such communication can occur via Input/Output (I/O) interfaces 822. Still yet, computer system/server 802 can communicate with one or more networks such as a local area network (LAN), a general wide area network (WAN), and/or a public network (e.g., the Internet) via network adapter 824. As depicted, network adapter 824 communicates with the other components of computer system/server 802 via bus 808. It should be understood that although not shown, other hardware and/or software components could be used in conjunction with computer system/server 802. Examples, include, but are not limited to: microcode, device drivers, redundant processing units, and external disk drive arrays, RAID systems, tape drives, and data archival storage systems, etc.

[0071] The embodiments of the present disclosure described herein are implemented as logical steps in one or more computer systems. The logical operations of the present disclosure are implemented (1) as a sequence of processor-implemented steps executing in one or more computer systems and (2) as interconnected machine or circuit engines within one or more computer systems. The implementation is a matter of choice, dependent on the performance requirements of the computer system implementing aspects of the present disclosure. Accordingly, the logical operations making up the embodiments of the disclosure described herein are referred to variously as operations, steps, objects, or engines. Furthermore, it should be understood that logical operations may be performed in any order, unless explicitly claimed otherwise or a specific order is inherently necessitated by the claim language.

[0072] The foregoing merely illustrates the principles of the disclosure. Various modifications and alterations to the described embodiments will be apparent to those skilled in the art in view of the teachings herein. It will thus be appreciated that those skilled in the art will be able to devise numerous systems, arrangements and methods which, although not explicitly shown or described herein, embody the principles of the disclosure and are thus within the spirit and scope of the present disclosure. From the above description and drawings, it will be understood by those of ordinary skill in the art that the particular embodiments shown and described are for purposes of illustrations only and are not intended to limit the scope of the present disclosure. References to details of particular embodiments are not intended to limit the scope of the disclosure.

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CLAIMS

What is claimed is:

1. An automatic fresh browser instance system allowing different categories of content to be displayed in different independent browser instances, the system comprising:

at least one computing device comprising:

an enforcer to ensure that web content satisfying two different categorizations is not accessed by a first browser instance of a web browser; and

an enabler to generate a second browser instance of the web browser to access a portion of the web content that satisfies one category of the at least two different categories.

2. The automatic fresh instance browser system of claim 1, wherein the second instance is launched automatically to a client device for display.

3. The automatic fresh instance browser system of claim 1, wherein to ensure that the web content satisfying two different categorizations is not accessed by a first browser instance of a web browser comprises executing an API call to intercept a system call corresponding to the web browser.

4. The automatic fresh instance browser system of claim 1, wherein the at least two different categories includes a sensitive information category indicating that the portion of the web content that presents a security risk.

5. The automatic fresh instance browser system of claim 1, wherein to ensure that the web content from two different categories is not accessed by the first browser instance of a web browser comprises:

executing a tracer to determine whether or not a requested network object is allowed to be accessed by the first browser instance.

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6. The automatic fresh instance browser system of claim 1, wherein the enforcer further configured to prevent a browser instance from communicating with a source that does not raise a conflict of interest.

7. A method for allowing different categories of content to be displayed in different independent browser instances, the method comprising:
verifying, using at least one computing device, that web content satisfying two different categorizations is not accessed by a first browser is not accessed by a first browser instance of a web browser; and
generating, using the at least one computing device, a second browser instance of the web browser to access a portion of the web content that satisfies one category of the at least two different categories.

8. The method of claim 7, wherein the second instance is launched automatically to a client device for display.

9. The method of claim 7, wherein to ensure that the web content satisfying two different categorizations is not accessed by a first browser instance of a web browser comprises executing an API call to intercept a system call corresponding to the web browser.

10. The method of claim 7, wherein the at least two different categories includes a sensitive information category indicating that the portion of the web content that presents a security risk.

11. The method of claim 7, wherein to ensure that the web content from two different categories is not accessed by the first browser instance of a web browser comprises
executing a tracer to determine whether or not a requested network object is allowed to be accessed by the first browser instance.

12. The method of claim 7, wherein the enforcer is further configured to prevent a browser instance from communicating with a source that does not raise a conflict of interest.

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13. A non-transitory computer readable medium encoded with instructions for allowing different categories of content to be displayed in different independent browser instances, the instructions, executable by a processor, comprising:

verifying that web content web content satisfying two different categorizations is not accessed by a first browser is not accessed by a first browser instance of a web browser; and

generating a second browser instance of the web browser to access a portion of the web content that satisfies one category of the at least two different categories.

14. The non-transitory computer readable medium of claim 13, wherein the second instance is launched automatically to a client device for display.

15. The non-transitory computer readable medium of claim 13, wherein to ensure that the web content satisfying two different categorizations is not accessed by a first browser instance of a web browser comprises executing an API call to intercept a system call corresponding to the web browser.

16. The non-transitory computer readable medium of claim 13, wherein to ensure that the web content from two different categories is not accessed by the first browser instance of a web browser comprises

executing a tracer to determine whether or not a requested network object is allowed to be accessed by the first browser instance.

17. The non-transitory computer readable medium of claim 13, wherein the enforcer is further configured to prevent a browser instance from communicating with a source that does not raise a conflict of interest.

18. The non-transitory computer readable medium of claim 13, wherein the at least two different categories includes a sensitive information category indicating that the portion of the web content that presents a security risk.

ABSTRACT

A system and method for securing access to sensitive content on the web is disclosed. The approach automates compartmentalization practices for accessing different kinds of content with different browser instances. The automation is transparent to the user and does not require any modification of how non-sensitive content is accessed. For sensitive content, a Fresh Browser Instance (FBI) is automatically created to access the content. In addition, the automatic FBI system may provide support for novice users with predefined sensitive content sites as well as for more experienced users who can define conflict of interest (COI) classes which allows content from sites in the same user-defined class to coexist in a browser instance.

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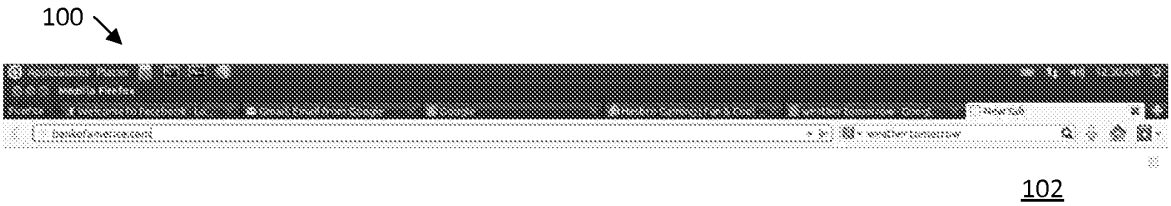

100
102
104
BigBrowser
The website you requested to visit, handles sensitive information. A new browser instance will be opened to handle this request for security reasons.

FIG. 1

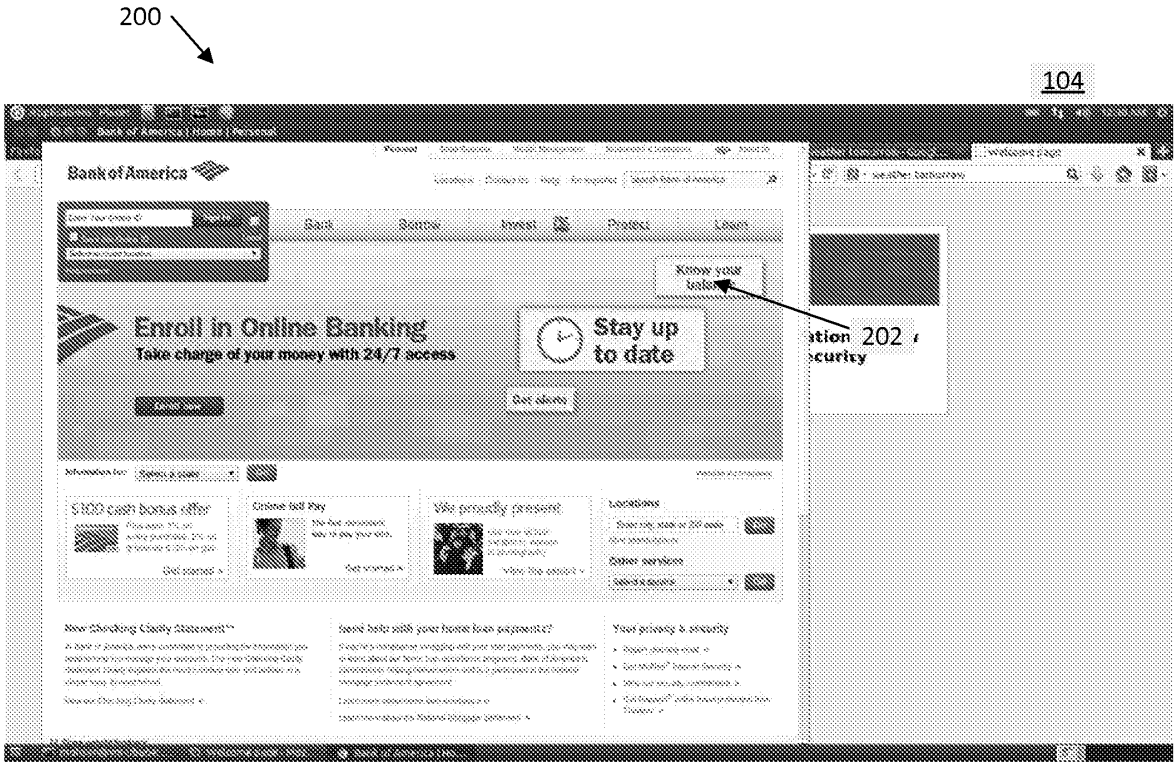

200
104
Bank of America
Enroll in Online Banking
Take charge of your money with 24/7 access
Stay up to date
202

FIG. 2

300

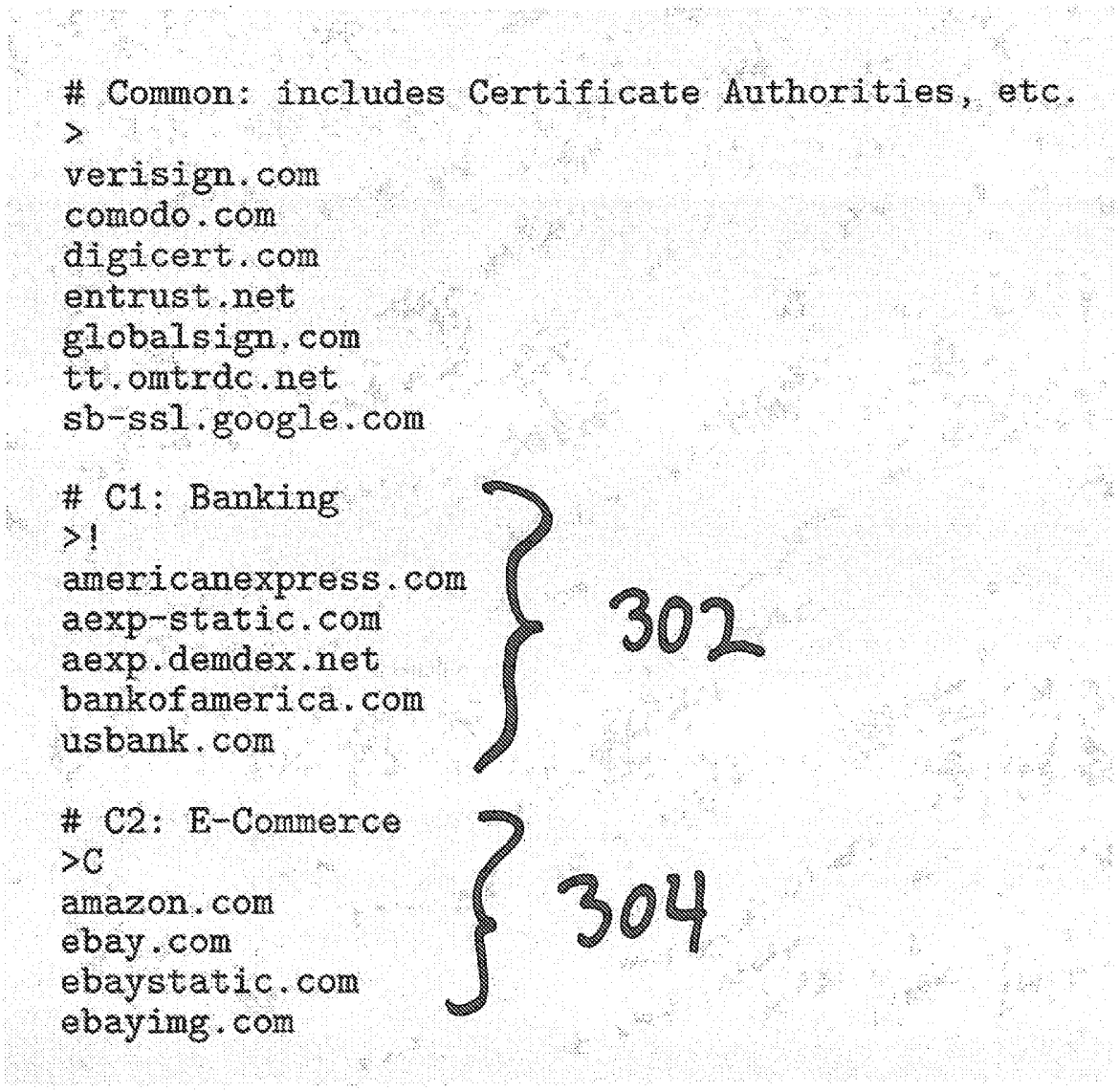

Common: includes Certificate Authorities, etc.
>
verisign.com
comodo.com
digicert.com
entrust.net
globalsign.com
tt.omtrdc.net
sb-ssl.google.com
C1: Banking
>!
americanexpress.com
aexp-static.com
aexp.demdex.net
bankofamerica.com
usbank.com
302
C2: E-Commerce
>C
amazon.com
ebay.com
ebaystatic.com
ebayimg.com
304

FIG. 3

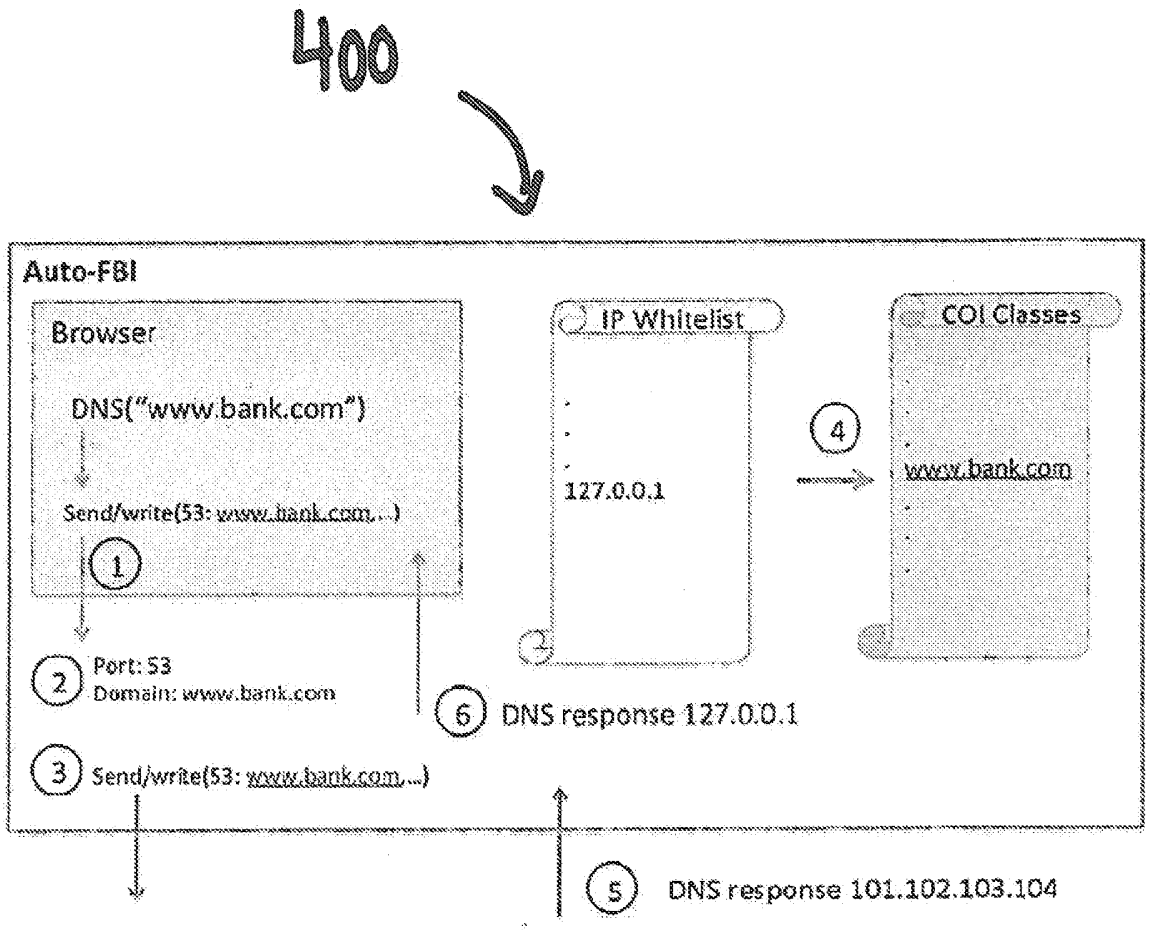

400
Auto-FBI
Browser
DNS("www.bank.com")
Send/write(53: www.bank.com,..)
1
2
Port: 53
Domain: www.bank.com
3
Send/write(53: www.bank.com,..)
IP Whitelist
127.0.0.1
4
COI Classes
www.bank.com
6
DNS response 127.0.0.1
5
DNS response 101.102.103.104

FIG. 4

500

Website URL	Caching Disabled				Caching Enabled			
	T^1_{norm}	T^1_{tracer}	ΔT^1	ΔT^1%	T^2_{norm}	T^2_{tracer}	ΔT^2	ΔT^2%
www.youtube.com	800.6	1249	448.4	56.01	696.1	1114.5	418.4	60.11
www.yahoo.com	953.3	890.1	-63.2	-6.63	869.7	1133.3	263.6	30.31
login.live.com	701.1	817.8	116.7	16.65	655.9	498.4	-157.5	-24.01
www.msn.com	368.9	772	403.1	109.27	367.2	613.2	246	66.99
en.wikipedia.org	2101.3	2199.5	98.2	4.67	823.4	1037.6	214.2	26.01
blogsofnote.blogspot.com	522.1	1016.7	494.6	94.73	355.8	525.9	170.1	47.81
www.baidu.com	1433.3	954.6	-478.7	-33.40	848.5	589.3	-259.2	-30.55
www.microsoft.com	1269.5	2175	905.5	71.33	1606.3	1827.9	221.6	13.80
www.qq.com	6430.9	8179.3	1748.4	27.19	2717	3438.5	721.5	26.56
www.bing.com	184.1	267.5	83.4	45.30	172.6	256.7	84.1	48.73
www.ask.com	952	1184.5	232.5	24.42	891.8	1034	142.2	15.95
www.adobe.com	1394.6	2225.9	831.3	59.61	974.8	1626.2	651.4	66.82
www.taobao.com	2435.7	3286.1	850.4	34.91	1802.2	2625.4	823.2	45.68
twitter.com	401.6	593	191.4	47.66	325.4	447.9	122.5	37.65
www.youku.com	6427.5	5731.2	-696.3	-10.83	2009.1	2638.5	629.4	31.33
www.soso.com	947.1	983.5	36.4	3.84	647.4	672.5	25.1	3.88
wordpress.com	601.4	799.6	198.2	32.96	370	548.9	178.9	48.35
www.sohu.com	5601.8	7031	1429.2	25.51	4696.7	6596.9	1900.2	40.46
www.hao123.com	4598.4	4600.2	1.8	0.04	2276.5	2441.5	165	7.25
www.facebook.com	424.9	791.7	366.8	86.33	411.7	534.7	123	29.88
Averagage for fast sites	623.37	851.4	**228.03**	36.58	600.74	759.51	**158.77**	26.43
Average for slow sites	3521.44	4042.53	**521.09**	14.8	2517.97	3261.45	**743.48**	29.53
Overall (20 URLs)	1927.5	2287.4	**359.9**	18.67	1175.9	1510.1	**334.2**	28.42

FIG. 5

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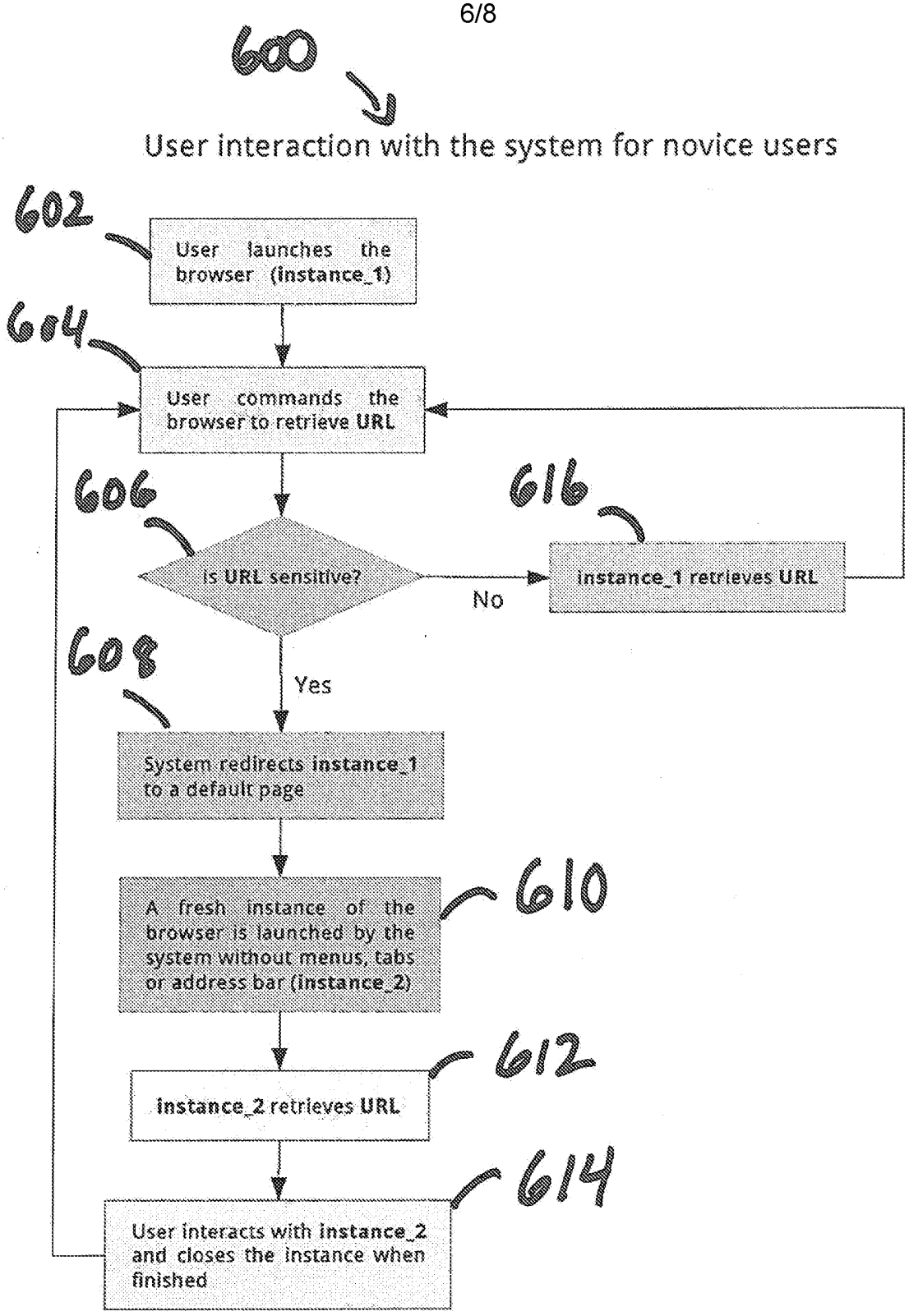

600
User interaction with the system for novice users
602
User launches the browser (instance_1)
604
User commands the browser to retrieve URL
606
is URL sensitive?
No
616
instance_1 retrieves URL
Yes
608
System redirects instance_1 to a default page
610
A fresh instance of the browser is launched by the system without menus, tabs or address bar (instance_2)
612
instance_2 retrieves URL
614
User interacts with instance_2 and closes the instance when finished

FIG. 6

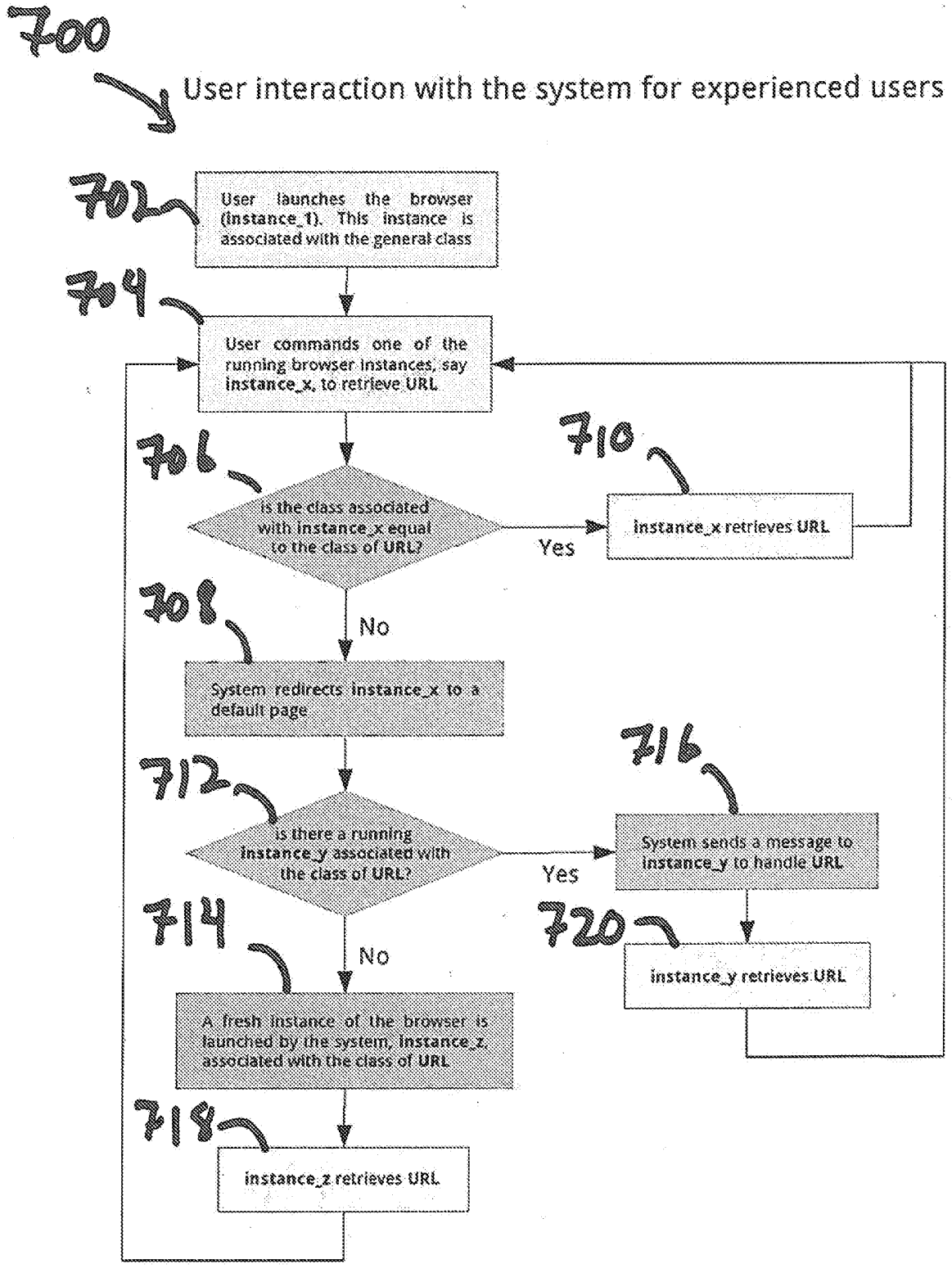

700
User interaction with the system for experienced users
702
User launches the browser (Instance_1). This instance is associated with the general class
704
User commands one of the running browser instances, say instance_x, to retrieve URL
706
Is the class associated with instance_x equal to the class of URL?
Yes
710
instance_x retrieves URL
No
708
System redirects instance_x to a default page
712
Is there a running instance_y associated with the class of URL?
Yes
716
System sends a message to instance_y to handle URL
720
instance_y retrieves URL
No
714
A fresh instance of the browser is launched by the system, Instance_z, associated with the class of URL
718
instance_z retrieves URL

FIG. 7

8/8

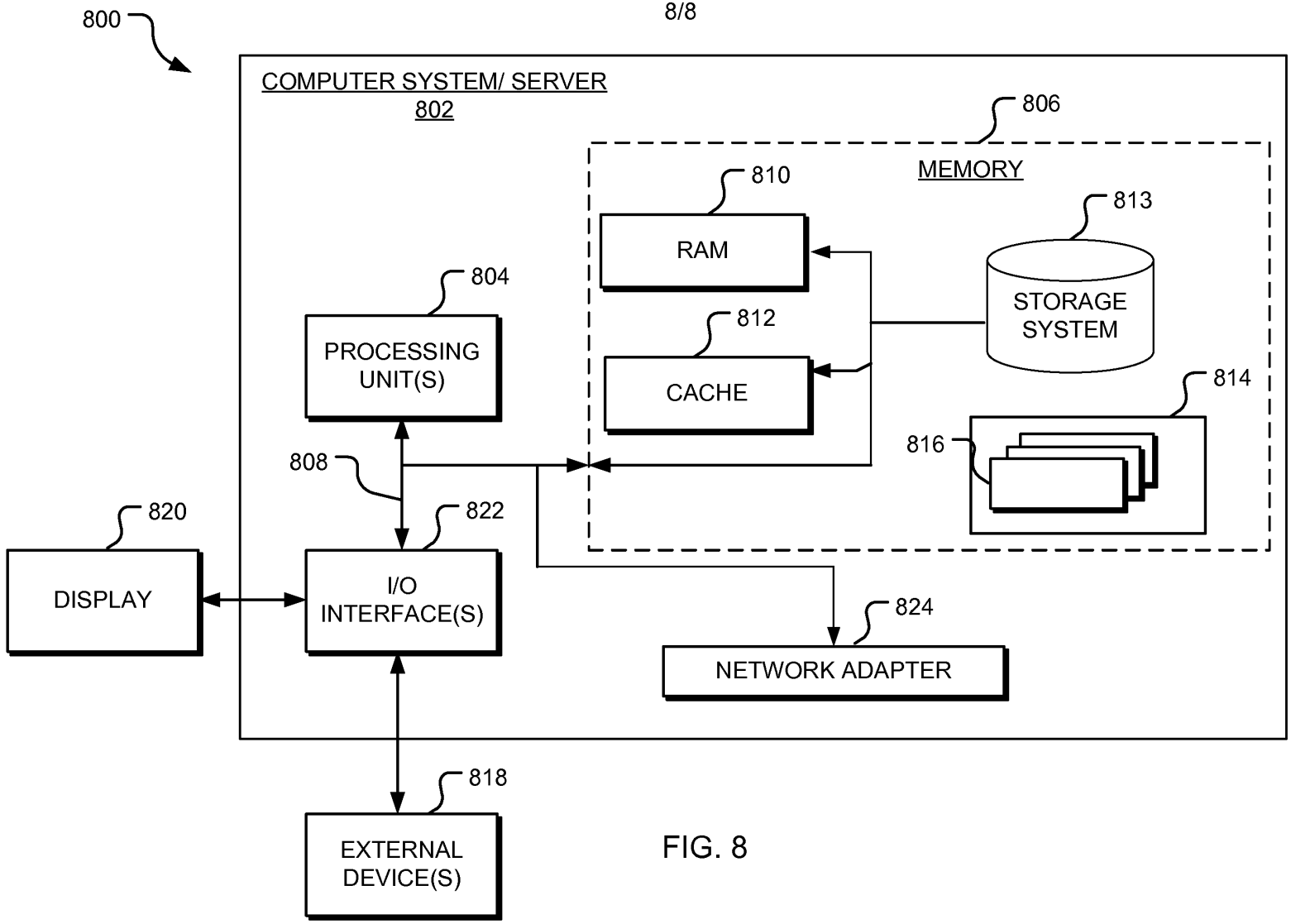


FIG. 8

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Electronic Patent Application Fee Transmittal

Application Number:	
Filing Date:	
Title of Invention:	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT
First Named Inventor/Applicant Name:	Rida A. Bazzi
Filer:	Ari M. Bai/Michelle Bieri
Attorney Docket Number:	055743-483778

Filed as Micro Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
BASIC UTILITY PATENT FILING FEE-MCRO-ENT	3011	1	70	70
Utility Search Fee	3111	1	150	150
Utility Examination Fee	3311	1	180	180
Pages:				
Claims:				
Miscellaneous-Filing:				
Late Filing Fee for Oath or Declaration	3051	1	35	35
Petition:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
		Total in USD ($)		435

Electronic Acknowledgement Receipt	
EFS ID:	20896976
Application Number:	14563712
International Application Number:	
Confirmation Number:	7752
Title of Invention:	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT
First Named Inventor/Applicant Name:	Rida A. Bazzi
Customer Number:	27148
Filer:	Ari M. Bai/Michelle Bieri
Filer Authorized By:	Ari M. Bai
Attorney Docket Number:	055743-483778
Receipt Date:	08-DEC-2014
Filing Date:	
Time Stamp:	17:58:36
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	$435
RAM confirmation Number	5021
Deposit Account	501662
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Application Data Sheet	483778-ADS.pdf	1561329 7a5fe67256db284a60c65ef643ae7d0ec9c87d74	no	7
Warnings:					
Information:					
2	Certification of Micro Entity (Education Basis)	483778-Micro_Cert.pdf	130672 7c9ebeaaaf547946a8f27354791cc5f3e56fa16e	no	2
Warnings:					
Information:					
3		483778-NP-Application.pdf	221314 9fe2a2d9aece06d8dba9516e5ba5b9c5ebf2d146	yes	25

Multipart Description/PDF files in .zip description

Document Description	Start	End
Specification	1	21
Claims	22	24
Abstract	25	25

Warnings:					
Information:					
4	Drawings-other than black and white line drawings	483778-Drawing.pdf	4250687 7e0857a9a77a3cf454489b03b5e62cbf5a06c510	no	8
Warnings:					
Information:					
5	Fee Worksheet (SB06)	fee-info.pdf	36572 884a8e6f3861ceae329ea7d727fde2694107f050	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	6200574		

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

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

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

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

PTO/AIA/14 (12-13)
Approved for use through 01/31/2014. OMB 0651-0032
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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

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

Secrecy Order 37 CFR 5.2

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

Inventor Information:

Inventor 1 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	RIDA	A.	BAZZI	

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

City	Scottsdale	State/Province	AZ	Country of Residence i	US

Mailing Address of Inventor:

Address 1	9813 E. Lofty Point Rd.		
Address 2			
City	Scottsdale	State/Province	AZ
Postal Code	85262	Country i	US

Inventor 2 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	MOHSEN		ZOHRAVENDI	

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

City	Tempe	State/Province	AZ	Country of Residence i	US

Mailing Address of Inventor:

Address 1	1701 E. 8th Street, Apt. 270		
Address 2			
City	Tempe	State/Province	AZ
Postal Code	85281	Country i	US

All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the **Add** button. Add

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below.
For further information see 37 CFR 1.33(a).

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

☐ **An Address is being provided for the correspondence Information of this application.**			
Customer Number	27148		
Email Address	uspt@polsinelli.com	Add Email	Remove Email

Application Information:

Title of the Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT		
Attorney Docket Number	055743-483778	**Small Entity Status Claimed**	☒
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	8	**Suggested Figure for Publication (if any)**	

Filing By Reference :

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

Publication Information:

☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)

☐ **Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32).
Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	◉ Customer Number	○ US Patent Practitioner	○ Limited Recognition (37 CFR 11.9)
Customer Number	27148		

PTO/AIA/14 (12-13)
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) or indicate National Stage entry from a PCT application. Providing this information in the application data sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.
When referring to the current application, please leave the application number blank.

Prior Application Status	Pending		Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
	Claims benefit of provisional	61192716	2013-12-06

Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button. Add

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55(d). When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX) [i]the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(h)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

Remove

Application Number	Country [i]	Filing Date (YYYY-MM-DD)	Access Code[i] (if applicable)

Additional Foreign Priority Data may be generated within this form by selecting the **Add** button. Add

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

☐ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.
NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

PTO/AIA/14 (12-13)
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

Authorization to Permit Access:

☒ Authorization to Permit Access to the Instant Application by the Participating Offices

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the instant patent application is filed access to the instant patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the instant patent application is filed to have access to the instant patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the instant patent application with respect to: 1) the instant patent application-as-filed; 2) any foreign application to which the instant patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the instant patent application; and 3) any U.S. application-as-filed from which benefit is sought in the instant patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing this Authorization.

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Applicant 1 Remove

If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.

Clear

◉ Assignee	○ Legal Representative under 35 U.S.C. 117	○ Joint Inventor
○ Person to whom the inventor is obligated to assign.	○ Person who shows sufficient proprietary interest	

If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:

Name of the Deceased or Legally Incapacitated Inventor :

If the Applicant is an Organization check here. ☒

Organization Name	The Arizona Board of Regents for and on Behalf of Arizona State University

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

Mailing Address Information:			
Address 1	699 S. Mills Avenue		
Address 2	Suite 601, Room 691A		
City	Tempe	**State/Province**	AZ
Country i	US	Postal Code	85281
Phone Number		Fax Number	
Email Address			

Additional Applicant Data may be generated within this form by selecting the Add button. Add

Assignee Information including Non-Applicant Assignee Information:

Providing assignment information in this section does not subsitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Assignee 1

Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication . An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.

Remove

If the Assignee or Non-Applicant Assignee is an Organization check here. ☐

Prefix	**Given Name**	Middle Name	**Family Name**	Suffix

Mailing Address Information For Assignee including Non-Applicant Assignee:			
Address 1			
Address 2			
City		**State/Province**	
Country i		Postal Code	
Phone Number		Fax Number	
Email Address			

Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button. Add

PTO/AIA/14 (12-13)
Approved for use through 01/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

Signature:

Remove

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications					
Signature	/Ari M. Bai/			Date (YYYY-MM-DD)	2014-12-08
First Name	Ari M.	Last Name	Bai	Registration Number	45342
Additional Signature may be generated within this form by selecting the Add button. Add					

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

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

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

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

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

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

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/563,712	12/08/2014	RIDA A. BAZZI	055743-483778

CONFIRMATION NO. 7752

27148
POLSINELLI PC
900 WEST 48TH PLACE
SUITE 900
KANSAS CITY, MO 64112-1895

FORMALITIES LETTER

OC000000073392054

Date Mailed: 02/13/2015

NOTICE TO FILE CORRECTED APPLICATION PAPERS

Filing Date Granted

An application number and filing date have been accorded to this application. The application is informal since it does not comply with the regulations for the reason(s) indicated below. Applicant is given TWO MONTHS from the date of this Notice within which to correct the informalities indicated below. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

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

- Replacement drawings in compliance with 37 CFR 1.84 and 37 CFR 1.121(d) are required. The drawings submitted are not acceptable because:
  - The drawings must be reasonably free from erasures and must be free from alterations, overwriting, interlineations, folds, and copy marks. See Figure(s) 3, 7.
  - The drawings are not in compliance with 37 CFR 1.84 because figures 5 contain figure or view numbers that have incorrect orientation. Reference characters, sheet numbers, and view numbers must be oriented in the same direction as the view. See 37 CFR 1.84(p)(1).

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

Items Required To Avoid Processing Delays:

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

- A properly executed inventor's oath or declaration has not been received for the following inventor(s):
  RIDA A. BAZZI
  MOHSEN ZOHRAVENDI

IPR2025-01400
CrowdStrike EX1002 Page 49

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

Replies should be mailed to:

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

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web, including a copy of this Notice and selecting the document description "Applicant response to Pre-Exam Formalities Notice". https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html

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

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

/rnegga/

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

IPR2025-01400
CrowdStrike EX1002 Page 50

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number: 14/563,712

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY FEE($)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	70
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	150
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	180
TOTAL CLAIMS (37 CFR 1.16(i))	18 minus 20 =	*			OR	x 20 =	0.00
INDEPENDENT CLAIMS (37 CFR 1.16(h))	3 minus 3 =	*				x 105 =	0.00
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						0.00
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							0.00
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	400

APPLICATION AS AMENDED - PART II

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

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

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

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Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
14/563,712	12/08/2014	2447	435	055743-483778	18	3

CONFIRMATION NO. 7752

27148
POLSINELLI PC
900 WEST 48TH PLACE
SUITE 900
KANSAS CITY, MO 64112-1895

FILING RECEIPT

OC000000073392053

Date Mailed: 02/13/2015

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

Inventor(s)

RIDA A. BAZZI, Scottsdale, AZ;
MOHSEN ZOHRAVENDI, Tempe, AZ;

Applicant(s)

The Arizona Board of Regents for and on Behalf of Arizona State University, Tempe, AZ

Power of Attorney: None

Domestic Applications for which benefit is claimed - None.
A proper domestic benefit claim must be provided in an Application Data Sheet in order to constitute a claim for domestic benefit. See 37 CFR 1.76 and 1.78.

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see http://www.uspto.gov for more information.) - None.
Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

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

If Required, Foreign Filing License Granted: 02/12/2015
The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/563,712**
Projected Publication Date: To Be Determined - pending completion of Corrected Papers
Non-Publication Request: No
Early Publication Request: No

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**** MICRO ENTITY ****

Title

SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT

Preliminary Class

709

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

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

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

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

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

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

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

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LICENSE FOR FOREIGN FILING UNDER

Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

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

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NOT GRANTED

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

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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
14/563,712	12/08/2014	RIDA A. BAZZI	055743-483778

CONFIRMATION NO. 7752

IMPROPER CFR REQUEST

27148
POLSINELLI PC
900 WEST 48TH PLACE
SUITE 900
KANSAS CITY, MO 64112-1895



Date Mailed: 02/13/2015

RESPONSE TO REQUEST FOR CORRECTED FILING RECEIPT

Continuity, Priority Claims, Petitions, and Non-Publication Requests

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

Improper Benefit Claim(s) to Prior-Filed Provisional Application(s)

The benefit claim(s) to prior-filed provisional application(s) is improper because the instant application was not filed within twelve (12) months from the filing date of the provisional application, and there is no indication of an intermediate nonprovisional or international application designationg the United States that is directly claiming the benefit of the provisional application and filed within 12 months of the filing date of the provisional application. Applicant should review each benefit claim submitted and, if appropriate, provide the proper reference to the prior-filed applications (including an indication of any intermediate application that is directly claiming the benefit of the provisional application and filed with 12 months of the filing date of the provisional application) as required by 37 CFR 1.78.

Alternatively, if the instant application (or intermediate application) was filed within 14 months of the prior provisional application, applicant may file a petition (in the instant application or the intermediate application, as appropriate) to restore the benefit of the provisional application if the delay in filing the instant application (or intermediate application) within the 12 month time period was unintentional. See 37 CFR 1.78 for the requirements of a petition to restore the benefit of the provisional application.

For applications filed on or after September 16, 2012, applicant must submit a corrected application data sheet (ADS) to include a specific reference.

Timeliness: The required reference for each benefit claim must be filed during the pendency of the instant application and within the later of: (1) four months from the actual filing date of the instant application, or the national stage commencement date if the instant application is a national stage application under 35 U.S.C. 371; or (2) sixteen months from the filing date of the prior-filed application. Failure to timely file the required reference is considered a waiver of any benefit claim, unless a grantable petition to accept an unintentionally delayed claim under 37 CFR 1.78, the petition fee set forth in 37 CFR 1.17(m), and the required reference are filed.

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/lchau/

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

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PATENT
Docket No. 055743-483778
Via EFS-Web

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	Rida A. Bazzi, et al.	Group No.:	2447
Serial No.:	14/563,712	Examiner:	TBA
Filed:	December 8, 2014	Conf. No.:	7752
For:	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT		

Commissioner for Patents

RESPONSE TO NOTICE TO FILE CORRECTED APPLICATION PAPERS

In response to the Notice to File Corrected Application Papers dated February 13, 2015, filed herewith are replacement drawings as required. Specifically, FIGS. 3-7 were not acceptable. Applicant submits herewith Replacement Sheets for FIGS. 3-7. In particular, regarding FIGS. 3, 4, 6, and 7, Applicant submits that the drawings are now reasonably free from erasures, alterations, overwriting, interlineations, folds, and copy marks, in compliance with 37 C.F.R. §§ 1.84 and 1.121(d). Regarding FIG. 5, Applicant submits that the drawing now contains view numbers with the correct orientation, in compliance with 37 C.F.R. § 1.84(p)(1). No new matter has been added via these replacement drawings.

Applicant believes no fees are required. However, if this is incorrect, the Commissioner is hereby authorized to charge any required fees regarding the filing of this Response to Deposit Account 50-1662.

Respectfully submitted,

POLSINELLI PC

Date: April 13, 2015

/Ari M. Bai/

Ari M. Bai, Reg. No. 38,726
One E. Washington Street, Suite 1200
Phoenix, AZ 85004
Direct Phone: (602) 650-2061
Direct Fax: (602) 264-7033
Email: uspt@polsinelli.com
Attorney for Applicant

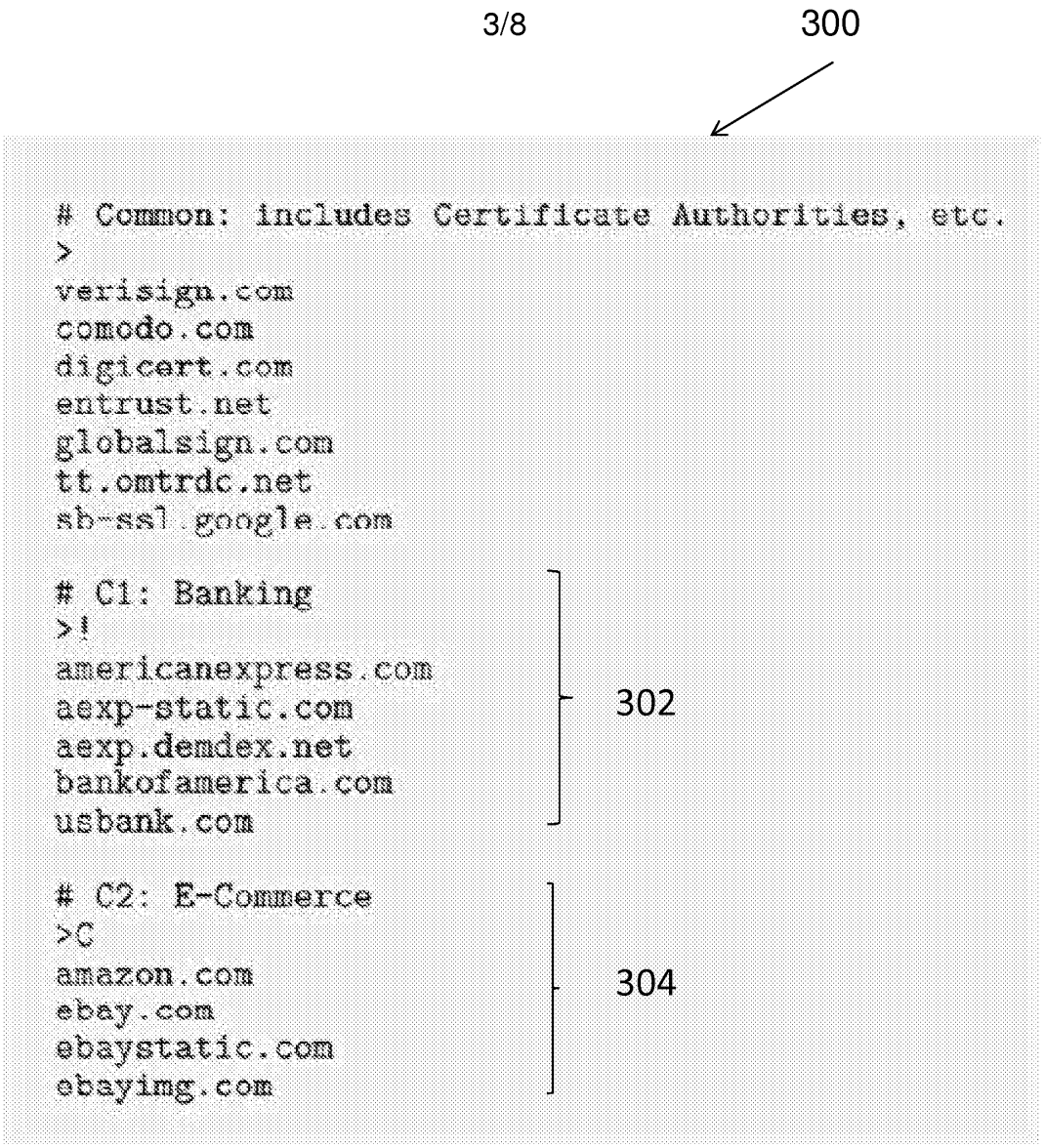


Figure 3: Example COI classes written by an experienced user

FIG. 3

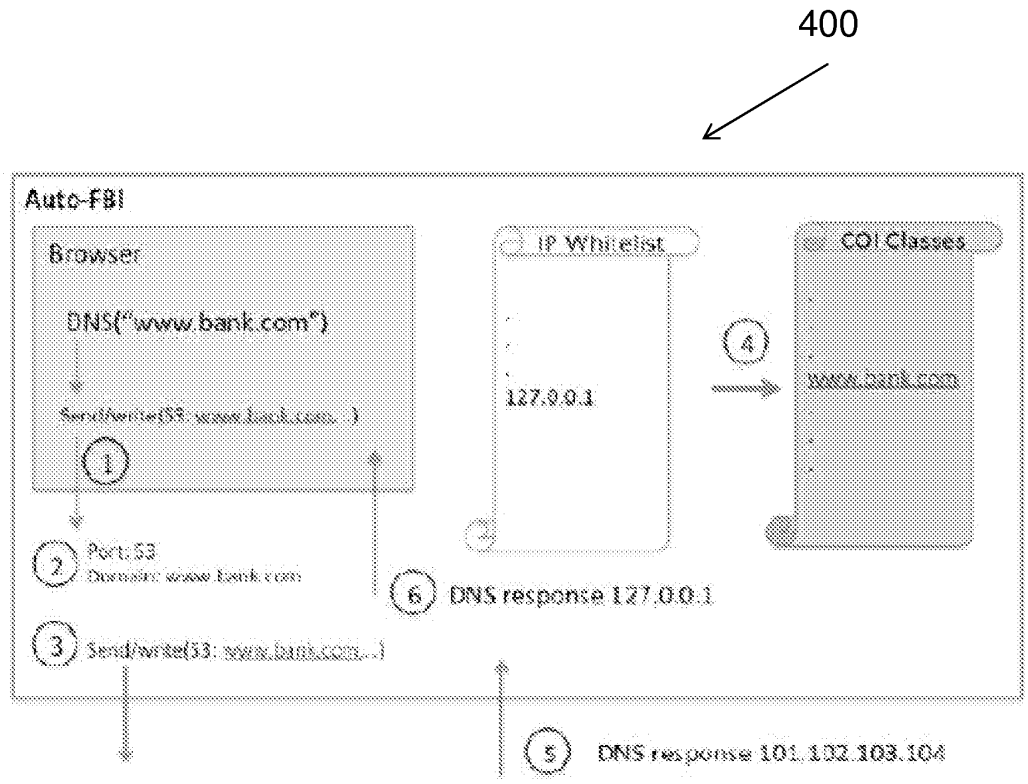


Figure 4: Execution scenario for handling access to content from a different COI class

FIG. 4

500

Website URL	Caching Disabled				Caching Enabled			
	T^1_{norm}	T^1_{tracer}	ΔT^1	$\Delta T^1\%$	T^2_{norm}	T^2_{tracer}	ΔT^2	$\Delta T^2\%$
www.youtube.com	800.6	1249	448.4	56.01	696.1	1114.5	418.4	60.11
www.yahoo.com	953.3	890.1	-63.2	-6.63	869.7	1133.3	263.6	30.31
login.live.com	701.1	817.8	116.7	16.65	655.9	498.4	-157.5	-24.01
www.msn.com	368.9	772	403.1	109.27	367.2	613.2	246	66.99
en.wikipedia.org	2101.3	2199.5	98.2	4.67	823.4	1037.6	214.2	26.01
blogsofnote.blogspot.com	522.1	1016.7	494.6	94.73	355.8	525.9	170.1	47.81
www.baidu.com	1433.3	954.6	-478.7	-33.40	848.5	589.3	-259.2	-30.55
www.microsoft.com	1269.5	2175	905.5	71.33	1606.3	1827.9	221.6	13.80
www.qq.com	6430.9	8179.3	1748.4	27.19	2717	3438.5	721.5	26.56
www.bing.com	184.1	267.5	83.4	45.30	172.6	256.7	84.1	48.73
www.ask.com	952	1184.5	232.5	24.42	891.8	1034	142.2	15.95
www.adobe.com	1394.6	2225.9	831.3	59.61	974.8	1626.2	651.4	66.82
www.taobao.com	2435.7	3286.1	850.4	34.91	1802.2	2625.4	823.2	45.68
twitter.com	401.6	593	191.4	47.66	325.4	447.9	122.5	37.65
www.youku.com	6427.5	5731.2	-696.3	-10.83	2009.1	2638.5	629.4	31.33
www.soso.com	947.1	983.5	36.4	3.84	647.4	672.5	25.1	3.88
wordpress.com	601.4	799.6	198.2	32.96	370	548.9	178.9	48.35
www.sohu.com	5601.8	7031	1429.2	25.51	4696.7	6596.9	1900.2	40.46
www.hao123.com	4598.4	4600.2	1.8	0.04	2276.5	2441.5	165	7.25
www.facebook.com	424.9	791.7	366.8	86.33	411.7	534.7	123	29.88
Avergage for fast sites	623.37	851.4	**228.03**	36.58	600.74	759.51	**158.77**	26.43
Average for slow sites	3521.44	4042.53	**521.09**	14.8	2517.97	3261.45	**743.48**	29.53
Overall (20 URLs)	1927.5	2287.4	**359.9**	18.67	1175.9	1510.1	**334.2**	28.42

Table 1: Performance evaluation for the tracer, times are in milliseconds

FIG. 5

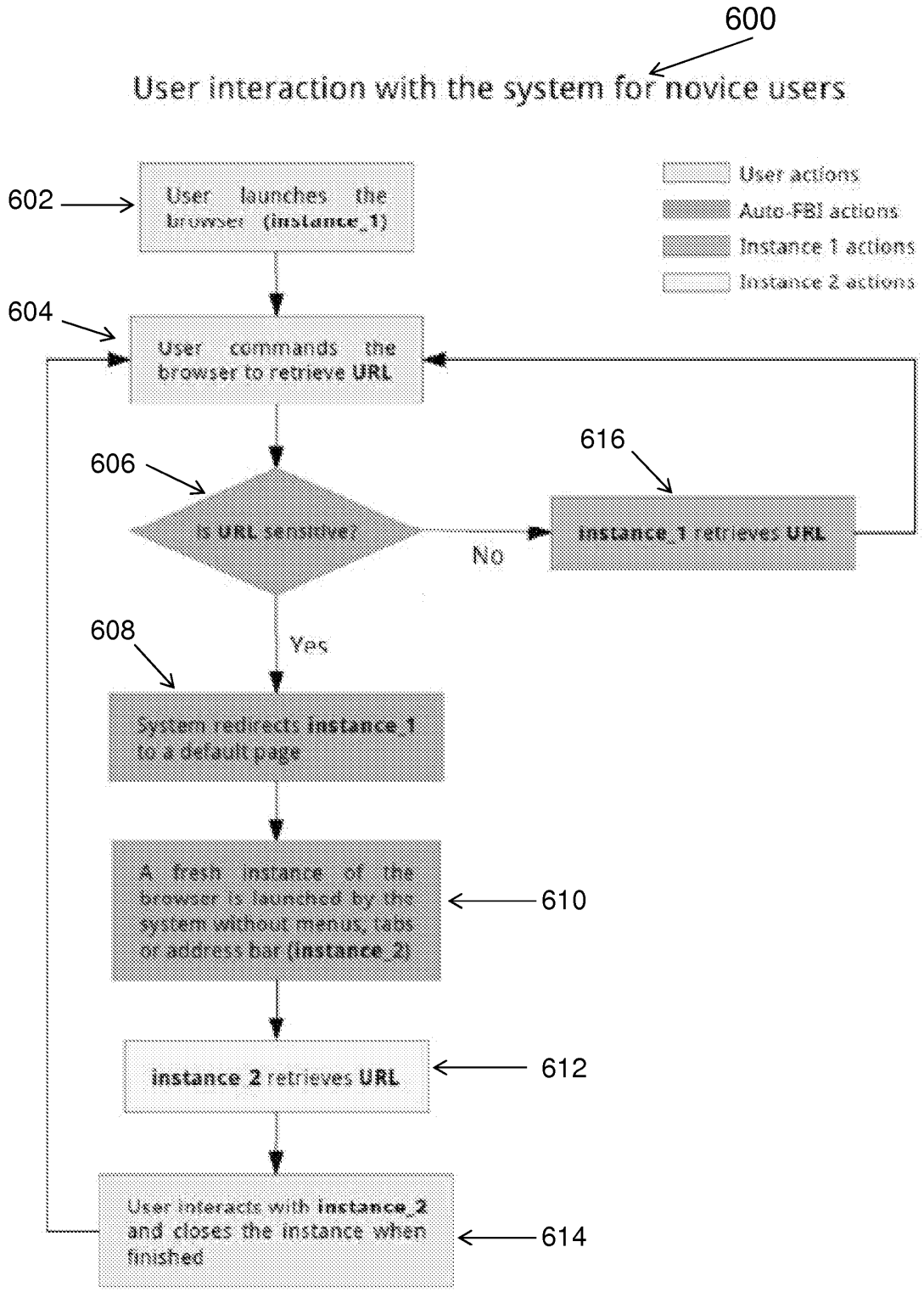

600
User interaction with the system for novice users
User actions
Auto-FBI actions
Instance 1 actions
Instance 2 actions
602
User launches the browser (instance_1)
604
User commands the browser to retrieve URL
606
Is URL sensitive?
No
616
instance_1 retrieves URL
Yes
608
System redirects instance_1 to a default page
A fresh instance of the browser is launched by the system without menus, tabs or address bar (instance_2)
610
instance 2 retrieves URL
612
User interacts with instance_2 and closes the instance when finished
614

FIG. 6

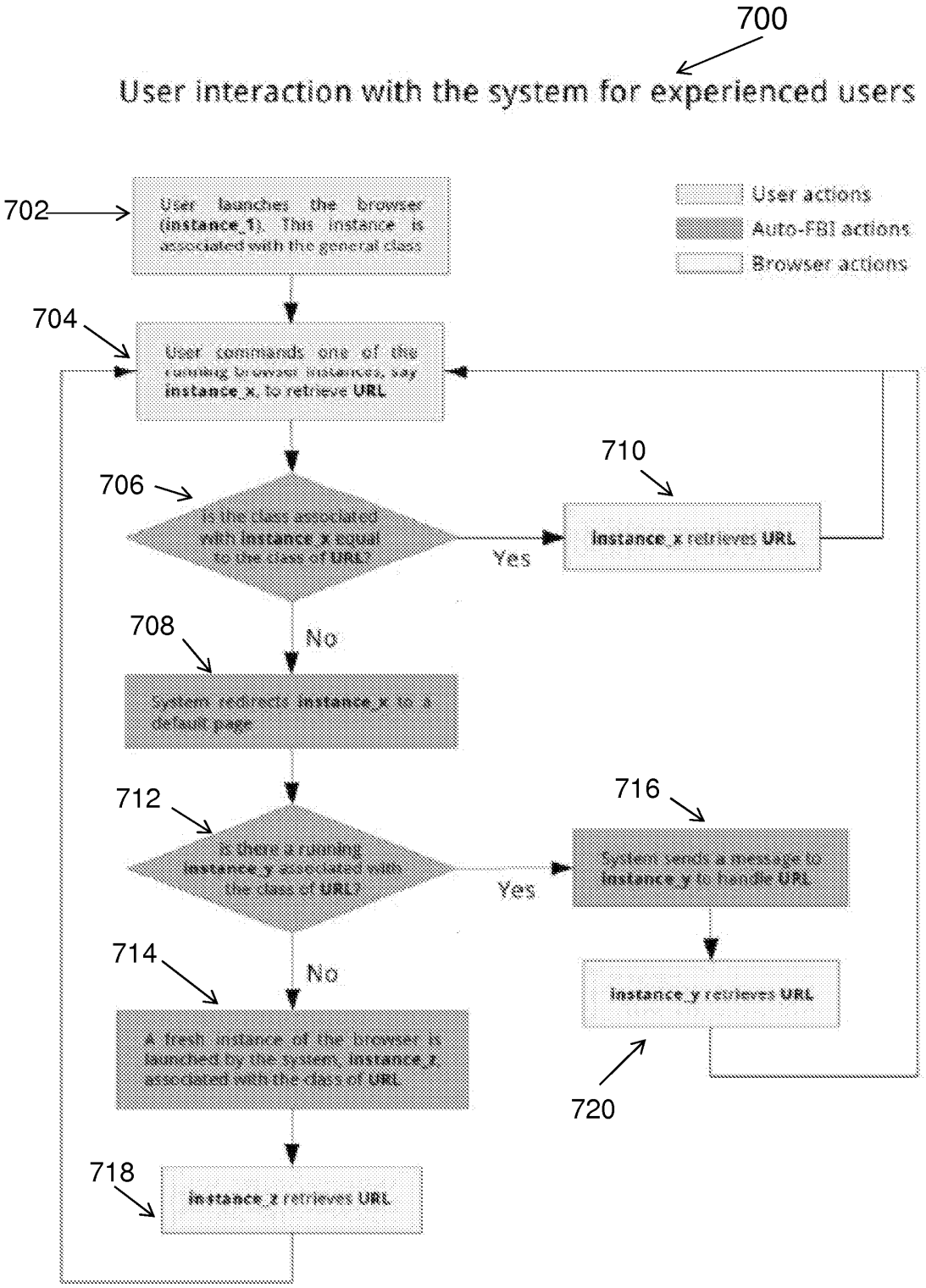

700
User interaction with the system for experienced users
User actions
Auto-FBI actions
Browser actions
702
User launches the browser (instance_1). This instance is associated with the general class
704
User commands one of the running browser instances, say instance_x, to retrieve URL
706
Is the class associated with instance_x equal to the class of URL?
Yes
710
instance_x retrieves URL
No
708
System redirects instance_x to a default page
712
Is there a running instance_y associated with the class of URL?
Yes
716
System sends a message to instance_y to handle URL
instance_y retrieves URL
720
No
714
A fresh instance of the browser is launched by the system, instance_z associated with the class of URL
718
instance_z retrieves URL

FIG. 7

Electronic Acknowledgement Receipt

EFS ID:	22047815
Application Number:	14563712
International Application Number:	
Confirmation Number:	7752
Title of Invention:	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT
First Named Inventor/Applicant Name:	RIDA A. BAZZI
Customer Number:	27148
Filer:	Ari M. Bai/Janelle Wiggins
Filer Authorized By:	Ari M. Bai
Attorney Docket Number:	055743-483778
Receipt Date:	13-APR-2015
Filing Date:	08-DEC-2014
Time Stamp:	17:57:15
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Applicant Response to Pre-Exam Formalities Notice	055743-483778-Response.pdf	19293 884697904b8071ec764d20647667e70649fd7ade	no	1
Warnings:					
Information:					

2	Drawings-only black and white line drawings	055743-483778-Replacement_Figures.pdf	3069781 04c5ff461a7b96258be0fea42d5d67958c11cdeb	no	5
Warnings:					
Information:					
			Total Files Size (in bytes):	3089074	

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

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

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

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

DocCode - SCORE

SCORE Placeholder Sheet for IFW Content

Application Number: 14563712 Document Date: 04/13/2015

The presence of this form in the IFW record indicates that the following document type was received in electronic format on the date identified above. This content is stored in the SCORE database.

- Drawings – Other than Black and White Line Drawings

Since this was an electronic submission, there is no physical artifact folder, no artifact folder is recorded in PALM, and no paper documents or physical media exist. The TIFF images in the IFW record were created from the original documents that are stored in SCORE.

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- External customers may access SCORE content via the Public and Private PAIR interfaces.

Form Revision Date: September 30, 2013

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number: 14/563,712

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY FEE($)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	70
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	150
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	180
TOTAL CLAIMS (37 CFR 1.16(i))	18 minus 20 =	*			OR	x 20 =	0.00
INDEPENDENT CLAIMS (37 CFR 1.16(h))	3 minus 3 =	*				x 105 =	0.00
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						0.00
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							0.00
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	400

APPLICATION AS AMENDED - PART II

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

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

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

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/563,712	12/08/2014	RIDA A. BAZZI	055743-483778

CONFIRMATION NO. 7752

27148
POLSINELLI PC
900 WEST 48TH PLACE
SUITE 900
KANSAS CITY, MO 64112-1895

NOTICE

OC000000074713671

Date Mailed: 04/21/2015

INFORMATIONAL NOTICE TO APPLICANT

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

The item(s) indicated below are also required and should be submitted with any reply to this notice to avoid further processing delays.

- A properly executed inventor's oath or declaration has not been received for the following inventor(s):
  RIDA A. BAZZI
  MOHSEN ZOHRAVENDI

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Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
14/563,712	12/08/2014	2447	435	055743-483778	18	3

CONFIRMATION NO. 7752

UPDATED FILING RECEIPT

27148
POLSINELLI PC
900 WEST 48TH PLACE
SUITE 900
KANSAS CITY, MO 64112-1895

OC000000074713670

Date Mailed: 04/21/2015

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

Inventor(s)

RIDA A. BAZZI, Scottsdale, AZ;
MOHSEN ZOHRAVENDI, Tempe, AZ;

Applicant(s)

The Arizona Board of Regents for and on Behalf of Arizona State University, Tempe, AZ

Power of Attorney: None

Domestic Applications for which benefit is claimed - None.
A proper domestic benefit claim must be provided in an Application Data Sheet in order to constitute a claim for domestic benefit. See 37 CFR 1.76 and 1.78.

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see http://www.uspto.gov for more information.) - None.
Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

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

If Required, Foreign Filing License Granted: 02/12/2015
The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/563,712**
Projected Publication Date: 06/09/2016
Non-Publication Request: No
Early Publication Request: No

IPR2025-01400
CrowdStrike EX1002 Page 68

**** MICRO ENTITY ****

Title

SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT

Preliminary Class

709

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

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

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

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

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

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

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

IPR2025-01400
CrowdStrike EX1002 Page 69

LICENSE FOR FOREIGN FILING UNDER

Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

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

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

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

NOT GRANTED

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

SelectUSA

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

PTO/AIA/01 (06-12)
Approved for use through 01/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

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

Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT

As the below named inventor, I hereby declare that:

This declaration is directed to:

☐ The attached application, or

☒ United States application or PCT international application number 14/563,712

filed on 12/08/2014.

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

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

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

WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

LEGAL NAME OF INVENTOR

Inventor: Moshen Zohrevandi Date (Optional) :

Signature: Moshen Zohrevandi

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

PTO/AIA/01 (06-12)
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☐ The attached application, or

☒ United States application or PCT international application number 14/563,712 filed on 12/08/2014.

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

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

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LEGAL NAME OF INVENTOR

Inventor: Rida A. Bazzi Date (Optional) :

Signature:

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

Electronic Acknowledgement Receipt	
EFS ID:	22128616
Application Number:	14563712
International Application Number:	
Confirmation Number:	7752
Title of Invention:	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT
First Named Inventor/Applicant Name:	RIDA A. BAZZI
Customer Number:	27148
Filer:	Ari M. Bai/Sam Bethune
Filer Authorized By:	Ari M. Bai
Attorney Docket Number:	055743-483778
Receipt Date:	21-APR-2015
Filing Date:	08-DEC-2014
Time Stamp:	18:33:35
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Oath or Declaration filed	Declaration.pdf	233368 c085061302184c06c3c51899d606fcd474900c28	no	2
Warnings:					
Information:					

Total Files Size (in bytes):	233368

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.

Atty. Docket No. 055743-483778
Via EFS Web

UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	Rida A. Bazzi et al.	Art Unit	2447
Serial No.:	14/563,712	Examiner:	TBD
Filed:	December 8, 2014	Conf. No.	7752
For:	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT		

Commissioner for Patents

SUBMISSION OF SUPPLEMENTAL DECLARATION

Sir:

Attached is a supplemental Declaration for Mohsen Zohrevandi being filed to replace the Declaration filed on April 21, 2015 due to an error in the spelling of his name which had not been noted until after filing.

Applicants believe no fees or petitions are due with this filing. However, should any such fees or petitions be required, the Commissioner is authorized to withdraw any fees that may be required, or credit any overpayments as a result of this paper, from Deposit Account 50-1662.

Respectfully submitted,

POLSINELLI PC

Date: April 27, 2015

By: /Ari M. Bai/

Ari M. Bai, Reg. No. 38726
One Washington Street, Suite 1200
Phoenix, AZ 85004
Tel: (602) 650-2061
Attorney for Applicant

50275031.1

PTO/AIA/01 (06-12)
Approved for use through 01/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

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

Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT

As the below named inventor, I hereby declare that:

This declaration is directed to:

☐ The attached application, or

☒ United States application or PCT international application number 14/563,712 filed on December 8, 2014.

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

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

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

WARNING:

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LEGAL NAME OF INVENTOR

Inventor: Mohsen Zohrevandi Date (Optional): _____

Signature: Mohsen Zohrevandi

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

Privacy Act Statement

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

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

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

Electronic Acknowledgement Receipt	
EFS ID:	22183433
Application Number:	14563712
International Application Number:	
Confirmation Number:	7752
Title of Invention:	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT
First Named Inventor/Applicant Name:	RIDA A. BAZZI
Customer Number:	27148
Filer:	Ari M. Bai/Sam Bethune
Filer Authorized By:	Ari M. Bai
Attorney Docket Number:	055743-483778
Receipt Date:	27-APR-2015
Filing Date:	08-DEC-2014
Time Stamp:	20:30:46
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Miscellaneous Incoming Letter	Submission_of_Supplemental_Declaration.pdf	19970 76ee319be70e5a36c82c545ede9409ae58e4a29a	no	1
Warnings:					
Information:					

2	Oath or Declaration filed	Zohrevandi_Declaration.pdf	373580 5148629eff83e9ef74e6b9f5adeb79a4849b5add	no	2
Warnings:					
Information:					
			Total Files Size (in bytes):	393550	

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
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New International Application Filed with the USPTO as a Receiving Office
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Atty. Docket No. 055743-483778
Via EFS Web

UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	Rida A. Bazzi et al.	Art Unit	2447
Serial No.:	14/563,712	Examiner:	TBD
Filed:	December 8, 2014	Conf. No.	7752
For:	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT		

Commissioner for Patents

REQUEST FOR CORRECTED FILING RECEIPT

Sir:

A copy of the Updated Filing Receipt mailed on April 21, 2015 with the corrections noted thereon, a copy of the Declaration, a copy of the Application Data Sheet as originally filed and marked with the necessary correction, and a corrected Application Data Sheet are attached. Please correct the spelling of the second inventor's name to read –Zohrevandi--. Additionally, please correct the priority claim as –This appln claims benefit of 61/912,716 12/06/2013--.

Entry of this correction and a Corrected Filing Receipt are respectfully requested.

Applicants believe no fees or petitions are due with this filing. However, should any such fees or petitions be required, the Commissioner is authorized to withdraw any fees that may be required, or credit any overpayments as a result of this paper, from Deposit Account 50-1662.

Respectfully submitted,

POLSINELLI PC

Date: April 27, 2015

By: /Ari M. Bai/

Ari M. Bai, Reg. No. 38726
One Washington Street, Suite 1200
Phoenix, AZ 85004
Tel: (602) 650-2061
Attorney for Applicant

50208559.1

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
14/563,712	12/08/2014	2447	435	055743-483778	18	3

CONFIRMATION NO. 7752

UPDATED FILING RECEIPT

27148
POLSINELLI PC
900 WEST 48TH PLACE
SUITE 900
KANSAS CITY, MO 64112-1895

OC000000074713670

Date Mailed: 04/21/2015

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

Inventor(s)

RIDA A. BAZZI, Scottsdale, AZ;
MOHSEN ~~ZOHRAVENDI~~ ZOHREVANDI, Tempe, AZ;

Applicant(s)

The Arizona Board of Regents for and on Behalf of Arizona State University, Tempe, AZ

Power of Attorney: None

Domestic Applications for which benefit is claimed - None. This appln claims benefit of 61/912,716 12/06/2013

A proper domestic benefit claim must be provided in an Application Data Sheet in order to constitute a claim for domestic benefit. See 37 CFR 1.76 and 1.78.

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see http://www.uspto.gov for more information.) - None.
Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

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

If Required, Foreign Filing License Granted: 02/12/2015
The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/563,712**
Projected Publication Date: 06/09/2016
Non-Publication Request: No
Early Publication Request: No

IPR2025-01400
CrowdStrike EX1002 Page 81

** MICRO ENTITY **

Title

SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT

Preliminary Class

709

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

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

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

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

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

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

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

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CrowdStrike EX1002 Page 82

LICENSE FOR FOREIGN FILING UNDER

Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

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

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

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

NOT GRANTED

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

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

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

Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT

As the below named inventor, I hereby declare that:

This declaration is directed to:

☐ The attached application, or

☒ United States application or PCT international application number 14/563,712 filed on 12/08/2014.

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

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

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

WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

LEGAL NAME OF INVENTOR

Inventor: Rida A. Bazzi Date (Optional): _____

Signature: _____

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

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

Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT

As the below named inventor, I hereby declare that:

This declaration is directed to:

- ☐ The attached application, or
- ☒ United States application or PCT international application number 14/563,712 filed on December 8, 2014

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

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

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

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Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

LEGAL NAME OF INVENTOR

Inventor: Mohsen Zohrevandi Date (Optional): _____

Signature: _____

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

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

Secrecy Order 37 CFR 5.2

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

Inventor Information:

Inventor 1 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	RIDA	A.	BAZZI	

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

City	Scottsdale	State/Province	AZ	Country of Residence i	US

Mailing Address of Inventor:

Address 1	9813 E. Lofty Point Rd.		
Address 2			
City	Scottsdale	State/Province	AZ
Postal Code	85262	Country i	US

Inventor 2 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	MOHSEN		~~ZOHRAVENDI~~ ZOHREVANDI	

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

City	Tempe	State/Province	AZ	Country of Residence i	US

Mailing Address of Inventor:

Address 1	1701 E. 8th Street, Apt. 270		
Address 2			
City	Tempe	State/Province	AZ
Postal Code	85281	Country i	US

All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the **Add** button. Add

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below.
For further information see 37 CFR 1.33(a).

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

☐ An Address is being provided for the correspondence Information of this application.			
Customer Number	27148		
Email Address	uspt@polsinelli.com	Add Email	Remove Email

Application Information:

Title of the Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT		
Attorney Docket Number	055743-483778	**Small Entity Status Claimed**	☒
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	8	**Suggested Figure for Publication (if any)**	

Filing By Reference :

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

Publication Information:

☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)

☐ **Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32).
Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	◉ Customer Number	○ US Patent Practitioner	○ Limited Recognition (37 CFR 11.9)
Customer Number	27148		

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) or indicate National Stage entry from a PCT application. Providing this information in the application data sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.
When referring to the current application, please leave the application number blank.

Prior Application Status	Pending		Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
	Claims benefit of provisional	~~61192716~~ 61912716	2013-12-06

Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button. Add

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55(d). When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX) [i]the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(h)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

Remove

Application Number	Country [i]	Filing Date (YYYY-MM-DD)	Access Code[i] (if applicable)

Additional Foreign Priority Data may be generated within this form by selecting the **Add** button. Add

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

☐ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.
NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

Authorization to Permit Access:

☒ Authorization to Permit Access to the Instant Application by the Participating Offices

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the instant patent application is filed access to the instant patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the instant patent application is filed to have access to the instant patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the instant patent application with respect to: 1) the instant patent application-as-filed; 2) any foreign application to which the instant patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the instant patent application; and 3) any U.S. application-as-filed from which benefit is sought in the instant patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing this Authorization.

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Applicant 1 Remove

If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.

Clear

◉ Assignee	○ Legal Representative under 35 U.S.C. 117	○ Joint Inventor
○ Person to whom the inventor is obligated to assign.	○ Person who shows sufficient proprietary interest	

If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:

Name of the Deceased or Legally Incapacitated Inventor :

If the Applicant is an Organization check here. ☒

Organization Name	The Arizona Board of Regents for and on Behalf of Arizona State University

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

Mailing Address Information:			
Address 1	699 S. Mills Avenue		
Address 2	Suite 601, Room 691A		
City	Tempe	**State/Province**	AZ
Country i	US	Postal Code	85281
Phone Number		Fax Number	
Email Address			

Additional Applicant Data may be generated within this form by selecting the Add button. Add

Assignee Information including Non-Applicant Assignee Information:

Providing assignment information in this section does not subsitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Assignee 1

Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication . An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.

Remove

If the Assignee or Non-Applicant Assignee is an Organization check here. ☐

Prefix	**Given Name**	Middle Name	**Family Name**	Suffix

Mailing Address Information For Assignee including Non-Applicant Assignee:

Address 1			
Address 2			
City		**State/Province**	
Country i		Postal Code	
Phone Number		Fax Number	
Email Address			

Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button. Add

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

Signature:

Remove

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications					
Signature	/Ari M. Bai/			Date (YYYY-MM-DD)	2014-12-08
First Name	Ari M.	Last Name	Bai	Registration Number	45342
Additional Signature may be generated within this form by selecting the Add button. Add					

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

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

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

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

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

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

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

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

Secrecy Order 37 CFR 5.2

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

Inventor Information:

Inventor 1 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	RIDA	A.	BAZZI	

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

City	Scottsdale	State/Province	AZ	Country of Residence	US

Mailing Address of Inventor:

Address 1	9813 E. Lofty Point Rd.		
Address 2			
City	Scottsdale	State/Province	AZ
Postal Code	85262	Country	US

Inventor 2 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	MOHSEN		ZOHREVANDI	

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

City	Tempe	State/Province	AZ	Country of Residence	US

Mailing Address of Inventor:

Address 1	1701 E. 8th Street, Apt. 270		
Address 2			
City	Tempe	State/Province	AZ
Postal Code	85281	Country	US

All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button. Add

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below.
For further information see 37 CFR 1.33(a).

PTO/AIA/14 (12-13)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

☐ An Address is being provided for the correspondence Information of this application.			
Customer Number	27148		
Email Address	uspt@polsinelli.com	Add Email	Remove Email

Application Information:

Title of the Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT		
Attorney Docket Number	055743-483778	Small Entity Status Claimed	☒
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	8	Suggested Figure for Publication (if any)	

Filing By Reference :

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

Publication Information:

☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)

☐ **Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32).
Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	◉ Customer Number	○ US Patent Practitioner	○ Limited Recognition (37 CFR 11.9)
Customer Number	27148		

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) or indicate National Stage entry from a PCT application. Providing this information in the application data sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.
When referring to the current application, please leave the application number blank.

Prior Application Status	Pending		Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
	Claims benefit of provisional	61912716	2013-12-06

Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button.

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55(d). When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX)[i] the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(h)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

Remove

Application Number	Country[i]	Filing Date (YYYY-MM-DD)	Access Code[i] (if applicable)

Additional Foreign Priority Data may be generated within this form by selecting the **Add** button.

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

☐ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.
NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

Authorization to Permit Access:

☒ Authorization to Permit Access to the Instant Application by the Participating Offices

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the instant patent application is filed access to the instant patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the instant patent application is filed to have access to the instant patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the instant patent application with respect to: 1) the instant patent application-as-filed; 2) any foreign application to which the instant patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the instant patent application; and 3) any U.S. application-as-filed from which benefit is sought in the instant patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date o f filing this Authorization.

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Applicant 1

If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.

Clear

◉ Assignee	○ Legal Representative under 35 U.S.C. 117	○ Joint Inventor
○ Person to whom the inventor is obligated to assign.	○ Person who shows sufficient proprietary interest	

If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:

Name of the Deceased or Legally Incapacitated Inventor :	
If the Applicant is an Organization check here. ☒	
Organization Name	The Arizona Board of Regents for and on Behalf of Arizona State University

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

Mailing Address Information For Applicant:			
Address 1	699 S. Mill Avenue		
Address 2	Suite 601, Room 691A		
City	Tempe	State/Province	AZ
Country i	US	Postal Code	85281
Phone Number		Fax Number	
Email Address			

Additional Applicant Data may be generated within this form by selecting the Add button.

Assignee Information including Non-Applicant Assignee Information:

Providing assignment information in this section does not subsitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Assignee 1

Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication . An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.

If the Assignee or Non-Applicant Assignee is an Organization check here. ☐

Prefix	Given Name	Middle Name	Family Name	Suffix

Mailing Address Information For Assignee including Non-Applicant Assignee:			
Address 1			
Address 2			
City		State/Province	
Country i		Postal Code	
Phone Number		Fax Number	
Email Address			

Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button.

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Approved for use through 01/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

Signature:

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

Signature	/Ari M. Bai/			Date (YYYY-MM-DD)	2014-12-08
First Name	Ari M.	Last Name	Bai	Registration Number	38726

Additional Signature may be generated within this form by selecting the Add button.

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

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

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

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

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent C o o p eration Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

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

Electronic Acknowledgement Receipt	
EFS ID:	22183481
Application Number:	14563712
International Application Number:	
Confirmation Number:	7752
Title of Invention:	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT
First Named Inventor/Applicant Name:	RIDA A. BAZZI
Customer Number:	27148
Filer:	Ari M. Bai
Filer Authorized By:	
Attorney Docket Number:	055743-483778
Receipt Date:	27-APR-2015
Filing Date:	08-DEC-2014
Time Stamp:	20:40:24
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Request for Corrected Filing Receipt	Request_for_Corrected_Filing_Receipt.pdf	20966 d4845bc252b8a14486d6ed9a4e3e057b0544aef9	no	1
Warnings:					
Information:					

2	Miscellaneous Incoming Letter	Marked_Up_Filing_Receipt.pdf	278399 0bf373153531e4f9258fe632ac41d11bb0fb1440	no	3
Warnings:					
Information:					
3	Oath or Declaration filed	Declaration.pdf	307270 58394375ab98f54b66046a8afac903a679e69145	no	2
Warnings:					
Information:					
4	Miscellaneous Incoming Letter	Marked_Up_Application_Data_Sheet.pdf	346867 a02dbdb8b8846b6ebf38aec09dd08bbcc7f27b35	no	7
Warnings:					
Information:					
5	Application Data Sheet	Revised_Application_Data_Sheet.pdf	152486 e3000527d8a17c97a21a0032374168e069a33d01	no	7
Warnings:					
Information:					
This is not an USPTO supplied ADS fillable form					
		Total Files Size (in bytes):	1105988		

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

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

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

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

Document code: WFEE

United States Patent and Trademark Office
Sales Receipt for Accounting Date: 06/01/2015

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01 FC : 3830 35.00 DA

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/563,712	12/08/2014	RIDA A. BAZZI	055743-483778

CONFIRMATION NO. 7752

IMPROPER CFR REQUEST

27148
POLSINELLI PC
900 WEST 48TH PLACE
SUITE 900
KANSAS CITY, MO 64112-1895

OC000000074878451

Date Mailed: 04/30/2015

RESPONSE TO REQUEST FOR CORRECTED FILING RECEIPT

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

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

- The ADS submitted on 04/27/2015 was not properly marked up to show the desired changes. For information being changed relative to the information already of record, additions must be shown with underlining, and deletions must be shown with strike-through or brackets. See 37 CFR 1.76(c)(2)

/ttran/

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

IPR2025-01400
CrowdStrike EX1002 Page 103

UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	Rida A. Bazzi et al.	Art Unit	2447
Serial No.:	14/563,712	Examiner:	TBD
Filed:	December 8, 2014	Conf. No.	7752
For:	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT		

Commissioner for Patents

PRELIMINARY AMENDMENT

Sir:

Please amend the above-identified application as follows:

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

Remarks begin on page 3 of this paper.

IPR2025-01400
CrowdStrike EX1002 Page 104

AMENDMENT

Please make the following changes to paragraph [0001]:

[0001] This application claims benefit to U.S. provisional application Serial No. ~~61/192,716~~ 61/912,716 filed on December 6, 2013, which is incorporated by reference in its entirety.

REMARKS

This Amendment is being submitted prior to the receipt of any Office action on the merits to correct an error in the priority claim of paragraph [0001] of the specification.

Specifically, the correct priority claim is to Application No. 61/912,716 filed December 6, 2013. Due to a typographical error, Applicants incorrectly typed "19" rather than "91".

CONCLUSION

Applicants believe no fees or petitions are due with this filing. However, should any such fees or petitions be required, the Commissioner is authorized to withdraw any fees that may be required, or credit any overpayments as a result of this paper, from Deposit Account 50-1662.

Respectfully submitted,

POLSINELLI PC

Date: MAY 28, 2015

By: _____

Ari M. Bal, Reg. No. 66726
One Washington Street, Suite 1200
Phoenix, AZ 85004
Tel: (602) 650-2061
Attorney for Applicant

IPR2025-01400
CrowdStrike EX1002 Page 106

UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	Rida A. Bazzi et al.	Art Unit	2447
Serial No.:	14/563,712	Examiner:	TBD
Filed:	December 8, 2014	Conf. No.	7752
For:	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT		

Commissioner for Patents

REQUEST TO CORRECT PRIORITY CLAIM

Sir:

Applicants have noted that the Application Data Sheet filed on December 8, 2014 did not properly reflect the priority claim for related Application No. 61/912,716 filed December 6, 2013 (now expired). There is an error in the application number shown as Provisional Application No. 61/192,716 filed December 6, 2013. The correct application number is "61/912,716 filed December 6, 2013." This error was repeated in paragraph [0001] of the specification, and a Preliminary Amendment correcting paragraph [0001] is filed concurrently herewith.

A marked-up Application Data Sheet showing the correction, as well as a replacement Application Data Sheet, are also filed concurrently herewith. Applicants request that the priority claim be corrected as indicated herein.

Applicants believe no fees or petitions are due with this filing. However, should any such fees or petitions be required, the Commissioner is authorized to withdraw any fees that may be required, or credit any overpayments as a result of this paper, from Deposit Account 50-1662.

Respectfully submitted,

POLSINELLI PC

Date: MAY 28 2015 By: _____

Ari M. Bar, Reg. No. 38726
One Washington Street, Suite 1200
Phoenix, AZ 85004
Tel: (602) 650-2061
Attorney for Applicant

50436633.1

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
14/563,712	12/08/2014	2447	435	055743-483778	18	3

CONFIRMATION NO. 7752

UPDATED FILING RECEIPT

27148
POLSINELLI PC
900 WEST 48TH PLACE
SUITE 900
KANSAS CITY, MO 64112-1895

OC000000074713670

Date Mailed: 04/21/2015

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

Inventor(s)

RIDA A. BAZZI, Scottsdale, AZ;
MOHSEN ~~ZOHRAVENDI~~ ZOHREVANDI, Tempe, AZ;

Applicant(s)

The Arizona Board of Regents for and on Behalf of Arizona State University, Tempe, AZ

Power of Attorney: None

Domestic Applications for which benefit is claimed - None. This appln claims benefit of 61/912,716 12/06/2013

A proper domestic benefit claim must be provided in an Application Data Sheet in order to constitute a claim for domestic benefit. See 37 CFR 1.76 and 1.78.

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see http://www.uspto.gov for more information.) - None.
Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

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

If Required, Foreign Filing License Granted: 02/12/2015
The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/563,712**
Projected Publication Date: 06/09/2016
Non-Publication Request: No
Early Publication Request: No

IPR2025-01400
CrowdStrike EX1002 Page 108

** MICRO ENTITY **

Title

SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT

Preliminary Class

709

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

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

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

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

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

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

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

IPR2025-01400
CrowdStrike EX1002 Page 109

LICENSE FOR FOREIGN FILING UNDER

Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

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

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

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

NOT GRANTED

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

SelectUSA

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

Electronic Acknowledgement Receipt

EFS ID:	22477511
Application Number:	14563712
International Application Number:	
Confirmation Number:	7752
Title of Invention:	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT
First Named Inventor/Applicant Name:	RIDA A. BAZZI
Customer Number:	27148
Filer:	Ari M. Bai/Sam Bethune
Filer Authorized By:	Ari M. Bai
Attorney Docket Number:	055743-483778
Receipt Date:	28-MAY-2015
Filing Date:	08-DEC-2014
Time Stamp:	19:45:57
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Request for Corrected Filing Receipt	Second_Request_for_Corrected_Filing_Receipt.pdf	111649 9a62310ad6357b1c0ac79e853b7014c8f9a8c29e	no	1
Warnings:					
Information:					

2	Application Data Sheet	Marked_Up_Application_Data_Sheet.pdf	3239919 a8cf377f5289fcd35cd6855667be66a798d6d27d	no	7
Warnings:					
Information:					
This is not an USPTO supplied ADS fillable form					
3	Application Data Sheet	Revised_Application_Data_Sheet.pdf	152486 e3000527d8a17c97a21a0032374168e069a33d01	no	7
Warnings:					
Information:					
This is not an USPTO supplied ADS fillable form					
4	Oath or Declaration filed	Declaration.pdf	307270 58394375ab98f54b66046a8afac903a679e69145	no	2
Warnings:					
Information:					
5	Preliminary Amendment	Preliminary_Amendment.pdf	143553 3bd8aab4170d7eb661cd35e36a3ec568f2944113	no	3
Warnings:					
Information:					
6	Miscellaneous Incoming Letter	Request_to_Correct_Priority_Claim.pdf	115683 f5c63f76af7cf45f1931efe88223de72df9b2e4d	no	1
Warnings:					
Information:					
7	Miscellaneous Incoming Letter	Marked_Up_Filing_Receipt.pdf	2321411 2ff3deac29496c2a7ffcbd15ec95870301424f45	no	3
Warnings:					
Information:					
		Total Files Size (in bytes):	6391971		

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

Applicant(s):	Rida A. Bazzi et al.	Art Unit	2447
Serial No.:	14/563,712	Examiner:	TBD
Filed:	December 8, 2014	Conf. No.	7752
For:	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT		

Commissioner for Patents

SECOND REQUEST FOR CORRECTED FILING RECEIPT

Sir:

In response to the Office's Response to Request for Corrected Filing Receipt dated April 30, 2015, attached hereto is an Application Data Sheet that has the noted corrections marked with underlining.

Additionally, Applicant is attaching the Updated Filing Receipt mailed on April 21, 2015 with the corrections noted thereon, a copy of the Declaration, a copy of the Application Data Sheet as originally filed and marked with the necessary corrections, and a corrected Application Data Sheet. Please correct the spelling of the second inventor's name to read --Zohrevandi--. Additionally, please correct the priority claim as --This appln claims benefit of 61/912,716 12/06/2013--. A Preliminary Amendment and Request to Correct Priority Claim are filed concurrently herewith addressing the correction of the priority claim.

Entry of these corrections and a Corrected Filing Receipt are respectfully requested.

Applicants believe no fees or petitions are due with this filing. However, should any such fees or petitions be required, the Commissioner is authorized to withdraw any fees that may be required, or credit any overpayments as a result of this paper, from Deposit Account 50-1662.

Respectfully submitted,

POLSINELLI PC

Date: MAY 28, 2015 By: _____

Ari M. Bai, Reg. No. 58726
One Washington Street, Suite 1200
Phoenix, AZ 85004
Tel: (602) 650-2061
Attorney for Applicant

50311520.1

PTO/AIA/14 (12-13)
Approved for use through 01/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

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

Secrecy Order 37 CFR 5.2

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

Inventor Information:

Inventor 1 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	RIDA	A.	BAZZI	

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

City	Scottsdale	State/Province	AZ	Country of Residence i	US

Mailing Address of Inventor:

Address 1	9813 E. Lofty Point Rd.		
Address 2			
City	Scottsdale	State/Province	AZ
Postal Code	85262	Country i	US

Inventor 2 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	MOHSEN		~~ZOHRAVENDI~~ ZOHREVANDI	

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

City	Tempe	State/Province	AZ	Country of Residence i	US

Mailing Address of Inventor:

Address 1	1701 E. 8th Street, Apt. 270		
Address 2			
City	Tempe	State/Province	AZ
Postal Code	85281	Country i	US

All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the **Add** button. Add

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below.
For further information see 37 CFR 1.33(a).

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

☐ An Address is being provided for the correspondence Information of this application.			
Customer Number	27148		
Email Address	uspt@polsinelli.com	Add Email	Remove Email

Application Information:

Title of the Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT		
Attorney Docket Number	055743-483778	**Small Entity Status Claimed**	☒
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	8	**Suggested Figure for Publication (if any)**	

Filing By Reference :

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

Publication Information:

☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)

☐ **Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32).
Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	◉ Customer Number	○ US Patent Practitioner	○ Limited Recognition (37 CFR 11.9)
Customer Number	27148		

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) or indicate National Stage entry from a PCT application. Providing this information in the application data sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.
When referring to the current application, please leave the application number blank.

Prior Application Status	Pending		Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
	Claims benefit of provisional	~~61192716~~ 61912716	2013-12-06

Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button. Add

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55(d). When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX) [i] the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(h)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

Remove

Application Number	Country [i]	Filing Date (YYYY-MM-DD)	Access Code [i] (if applicable)

Additional Foreign Priority Data may be generated within this form by selecting the **Add** button. Add

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

☐ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.
NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

PTO/AIA/14 (12-13)
Approved for use through 01/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

Authorization to Permit Access:

☒ Authorization to Permit Access to the Instant Application by the Participating Offices

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the instant patent application is filed access to the instant patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the instant patent application is filed to have access to the instant patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the instant patent application with respect to: 1) the instant patent application-as-filed; 2) any foreign application to which the instant patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the instant patent application; and 3) any U.S. application-as-filed from which benefit is sought in the instant patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing this Authorization.

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Applicant 1 Remove

If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.

Clear

◉ Assignee	○ Legal Representative under 35 U.S.C. 117	○ Joint Inventor
○ Person to whom the inventor is obligated to assign.	○ Person who shows sufficient proprietary interest	

If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:

Name of the Deceased or Legally Incapacitated Inventor :	
If the Applicant is an Organization check here. ☒	
Organization Name	The Arizona Board of Regents for and on Behalf of Arizona State University

PTO/AIA/14 (12-13)
Approved for use through 01/31/2014. OMB 0651-0032
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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

Mailing Address Information:			
Address 1	699 S. Mills Avenue		
Address 2	Suite 601, Room 691A		
City	Tempe	**State/Province**	AZ
Country i US		Postal Code	85281
Phone Number		Fax Number	
Email Address			

Additional Applicant Data may be generated within this form by selecting the Add button. Add

Assignee Information including Non-Applicant Assignee Information:

Providing assignment information in this section does not subsitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Assignee 1

Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication . An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.

Remove

If the Assignee or Non-Applicant Assignee is an Organization check here. ☐

Prefix	**Given Name**	Middle Name	**Family Name**	Suffix

Mailing Address Information For Assignee including Non-Applicant Assignee:			
Address 1			
Address 2			
City		**State/Province**	
Country i		Postal Code	
Phone Number		Fax Number	
Email Address			

Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button. Add

PTO/AIA/14 (12-13)
Approved for use through 01/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

Signature:

Remove

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications					
Signature	/Ari M. Bai/			Date (YYYY-MM-DD)	2014-12-08
First Name	Ari M.	Last Name	Bai	Registration Number	45342
Additional Signature may be generated within this form by selecting the Add button. Add					

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

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

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

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

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

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

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

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

Secrecy Order 37 CFR 5.2

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

Inventor Information:

Inventor 1 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	RIDA	A.	BAZZI	

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

City	Scottsdale	State/Province	AZ	Country of Residence	US

Mailing Address of Inventor:

Address 1	9813 E. Lofty Point Rd.		
Address 2			
City	Scottsdale	State/Province	AZ
Postal Code	85262	Country	US

Inventor 2 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	MOHSEN		ZOHREVANDI	

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

City	Tempe	State/Province	AZ	Country of Residence	US

Mailing Address of Inventor:

Address 1	1701 E. 8th Street, Apt. 270		
Address 2			
City	Tempe	State/Province	AZ
Postal Code	85281	Country	US

All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button. Add

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below.
For further information see 37 CFR 1.33(a).

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

☐ An Address is being provided for the correspondence Information of this application.			
Customer Number	27148		
Email Address	uspt@polsinelli.com	Add Email	Remove Email

Application Information:

Title of the Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT		
Attorney Docket Number	055743-483778	Small Entity Status Claimed	☒
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	8	Suggested Figure for Publication (if any)	

Filing By Reference :

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

Publication Information:

☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)

☐ **Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32).
Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	◉ Customer Number	○ US Patent Practitioner	○ Limited Recognition (37 CFR 11.9)
Customer Number	27148		

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) or indicate National Stage entry from a PCT application. Providing this information in the application data sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.
When referring to the current application, please leave the application number blank.

Prior Application Status	Pending		Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
	Claims benefit of provisional	61912716	2013-12-06

Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button.

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55(d). When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX)[i] the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(h)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

Remove

Application Number	Country[i]	Filing Date (YYYY-MM-DD)	Access Code[i] (if applicable)

Additional Foreign Priority Data may be generated within this form by selecting the **Add** button.

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

☐ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.
NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

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PTO/AIA/14 (12-13)
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

Authorization to Permit Access:

☒ Authorization to Permit Access to the Instant Application by the Participating Offices

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the instant patent application is filed access to the instant patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the instant patent application is filed to have access to the instant patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the instant patent application with respect to: 1) the instant patent application-as-filed; 2) any foreign application to which the instant patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the instant patent application; and 3) any U.S. application-as-filed from which benefit is sought in the instant patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date o f filing this Authorization.

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Applicant 1

If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.

Clear

◉ Assignee	○ Legal Representative under 35 U.S.C. 117	○ Joint Inventor
○ Person to whom the inventor is obligated to assign.	○ Person who shows sufficient proprietary interest	

If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:

Name of the Deceased or Legally Incapacitated Inventor :	
If the Applicant is an Organization check here. ☒	
Organization Name	The Arizona Board of Regents for and on Behalf of Arizona State University

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

Mailing Address Information For Applicant:			
Address 1	699 S. Mill Avenue		
Address 2	Suite 601, Room 691A		
City	Tempe	State/Province	AZ
Country i	US	Postal Code	85281
Phone Number		Fax Number	
Email Address			

Additional Applicant Data may be generated within this form by selecting the Add button.

Assignee Information including Non-Applicant Assignee Information:

Providing assignment information in this section does not subsitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Assignee 1

Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication . An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.

If the Assignee or Non-Applicant Assignee is an Organization check here. ☐

Prefix	Given Name	Middle Name	Family Name	Suffix

Mailing Address Information For Assignee including Non-Applicant Assignee:			
Address 1			
Address 2			
City		State/Province	
Country i		Postal Code	
Phone Number		Fax Number	
Email Address			

Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button.

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

Signature:

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

Signature	/Ari M. Bai/			Date (YYYY-MM-DD)	2014-12-08
First Name	Ari M.	Last Name	Bai	Registration Number	38726

Additional Signature may be generated within this form by selecting the Add button.

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

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

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

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

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent C o o p eration Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

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

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

Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT

As the below named inventor, I hereby declare that:

This declaration is directed to:

☐ The attached application, or

☒ United States application or PCT international application number 14/563,712 filed on 12/08/2014.

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

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

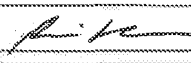
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

LEGAL NAME OF INVENTOR

Inventor: Rida A. Bazzi Date (Optional):

Signature: 

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

PTO/AIA/01 (06-12)
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DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT

As the below named inventor, I hereby declare that:

This declaration is directed to:

☐ The attached application, or

☒ United States application or PCT international application number 14/563,712 filed on December 8, 2014

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

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

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

WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

LEGAL NAME OF INVENTOR

Inventor: Mohsen Zohrevandi Date (Optional):

Signature:

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
14/563,712	12/08/2014	2447	435	055743-483778	18	3

CONFIRMATION NO. 7752

CORRECTED FILING RECEIPT

27148
POLSINELLI PC
900 WEST 48TH PLACE
SUITE 900
KANSAS CITY, MO 64112-1895

OC000000075478859

Date Mailed: 06/05/2015

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

Inventor(s)

RIDA A. BAZZI, Scottsdale, AZ;
MOHSEN ZOHREVANDI, Tempe, AZ;

Applicant(s)

The Arizona Board of Regents for and on Behalf of Arizona State University, Tempe, AZ;

Power of Attorney: None

Domestic Applications for which benefit is claimed - None.
A proper domestic benefit claim must be provided in an Application Data Sheet in order to constitute a claim for domestic benefit. See 37 CFR 1.76 and 1.78.

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see http://www.uspto.gov for more information.) - None.
Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

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

If Required, Foreign Filing License Granted: 02/12/2015
The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/563,712**
Projected Publication Date: 06/09/2016
Non-Publication Request: No
Early Publication Request: No

IPR2025-01400
CrowdStrike EX1002 Page 131

**** MICRO ENTITY ****

Title

SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT

Preliminary Class

709

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

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

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

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

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

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

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

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LICENSE FOR FOREIGN FILING UNDER

Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

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

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

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

NOT GRANTED

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

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

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/563,712	12/08/2014	RIDA A. BAZZI	055743-483778

CONFIRMATION NO. 7752

IMPROPER CFR REQUEST

27148
POLSINELLI PC
900 WEST 48TH PLACE
SUITE 900
KANSAS CITY, MO 64112-1895

OC000000075478880

Date Mailed: 06/05/2015

RESPONSE TO REQUEST FOR CORRECTED FILING RECEIPT

Continuity, Priority Claims, Petitions, and Non-Publication Requests

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

- The priority or continuity claim has not been entered because it was not filed during the required time period. Applicant may wish to consider filing a petition to accept an unintentionally delayed claim for priority. See 37 CFR 1.55 or 1.78.

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

/ttran/

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PATENT
Attorney Docket: 055743-483778 M14-061P
Via EFS Web

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	Rida A. Bazzi et al.	Art Unit:	2447
Serial No:	14/563,712	Examiner:	TBD
Filed:	December 8, 2014	Conf. No.:	7752
For:	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT		

Commissioner for Patents

PETITION TO ACCEPT UNINTENTIONALLY DELAYED PRIORITY CLAIM UNDER 35 U.S.C. §§ 119 AND 120 ACCORDING TO 37 C.F.R. § 1.78

Dear Madam:

Pursuant to 37 C.F.R. § 1.78(a)(3), Applicants respectfully petition for a benefit claim under 35 U.S.C. § 120 for the present application, which claims the benefit of U.S. Provisional Patent Application No. 61/912,716, filed on December 6, 2013.

Applicants state that the entire delay between the date this claim was due under 37 C.F.R. § 1.78 and the date this claim is being filed was unintentional. Specifically, the application was filed December 8, 2014 with an Application Data Sheet that listed the U.S. Provisional Patent Application No. 61/**91**2,716 (filed December 6, 2013) erroneously entered as Application No. 61/**19**2,716.

Submitted herewith are the following documents:

- Request to Correct Priority Claim
- Preliminary Amendment
- Marked-Up Application Data Sheet
- Replacement Application Data Sheet
- Marked-Up Corrected Filing Receipt (dated 6/5/2015)

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CrowdStrike EX1002 Page 135

Applicants respectfully request entry of the amendment as well as an updated Filing Receipt. It is believed that a fee of $140 under 37 C.F.R. 1.17(h)(Group III) is required for this petition, and the Commissioner is authorized to withdraw this fee, as well as any other required fees, from Deposit Account 50-1662.

Respectfully submitted,

POLSINELLI PC

Date: July 15, 2015

By: _____

Ari M. Bai, Reg. No. 38720
One E. Washington Street, Suite 1200
Phoenix, AZ 85004
Tel: (602) 650-2061
Attorney for Applicant

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CrowdStrike EX1002 Page 136

UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	Rida A. Bazzi et al.	Art Unit	2447
Serial No.:	14/563,712	Examiner:	TBD
Filed:	December 8, 2014	Conf. No.	7752
For:	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT		

Commissioner for Patents

REQUEST TO CORRECT PRIORITY CLAIM

Sir:

Applicants have noted that the Application Data Sheet filed on December 8, 2014 did not properly reflect the priority claim for related Application No. 61/912,716 filed December 6, 2013 (now expired). There is an error in the application number shown as Provisional Application No. 61/192,716 filed December 6, 2013. The correct application number is "61/912,716 filed December 6, 2013." This error was repeated in paragraph [0001] of the specification, and a Preliminary Amendment correcting paragraph [0001] is filed concurrently herewith.

A marked-up Application Data Sheet showing the correction, as well as a replacement Application Data Sheet, are also filed concurrently herewith. Applicants request that the priority claim be corrected as indicated herein.

A Petition is being filed concurrently with this Request, along with the required fee.

Respectfully submitted,

POLSINELLI PC

Date: July 15, 2015

By: _____

Ari M. Bai, Reg. No. 39726
One Washington Street, Suite 1200
Phoenix, AZ 85004
Tel: (602) 650-2061
Attorney for Applicant

IPR2025-01400
CrowdStrike EX1002 Page 137

UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	Rida A. Bazzi et al.	Art Unit	2447
Serial No.:	14/563,712	Examiner:	TBD
Filed:	December 8, 2014	Conf. No.	7752
For:	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT		

Commissioner for Patents

PRELIMINARY AMENDMENT

Sir:

Please amend the above-identified application as follows:

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

Remarks begin on page 3 of this paper.

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AMENDMENT

Please make the following changes to paragraph [0001]:

[0001] This application claims benefit to U.S. provisional application Serial No. ~~61/192,716~~ 61/912,716 filed on December 6, 2013, which is incorporated by reference in its entirety.

REMARKS

This Amendment is being submitted prior to the receipt of any Office action on the merits to correct an error in the priority claim of paragraph [0001] of the specification.

Specifically, the correct priority claim is to Application No. 61/912,716 filed December 6, 2013. Due to a typographical error, Applicants incorrectly typed "19" rather than "91".

CONCLUSION

A Petition is being filed concurrently with this Preliminary Amendment, along with the required fee.

Respectfully submitted,

POLSINELLI PC

Date: July 15, 2015

By: _____

Ari M. Bai, Reg. No. 38726
One Washington Street, Suite 1200
Phoenix, AZ 85004
Tel: (602) 650-2061
Attorney for Applicant

IPR2025-01400
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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

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

Secrecy Order 37 CFR 5.2

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

Inventor Information:

Inventor 1 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	RIDA	A.	BAZZI	

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

City	Scottsdale	State/Province	AZ	Country of Residence i	US

Mailing Address of Inventor:

Address 1	9813 E. Lofty Point Rd.		
Address 2			
City	Scottsdale	State/Province	AZ
Postal Code	85262	Country i	US

Inventor 2 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	MOHSEN		~~ZOHRAVENDI~~ ZOHREVANDI	

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

City	Tempe	State/Province	AZ	Country of Residence i	US

Mailing Address of Inventor:

Address 1	1701 E. 8th Street, Apt. 270		
Address 2			
City	Tempe	State/Province	AZ
Postal Code	85281	Country i	US

All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the **Add** button. Add

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below.
For further information see 37 CFR 1.33(a).

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

☐ **An Address is being provided for the correspondence Information of this application.**			
Customer Number	27148		
Email Address	uspt@polsinelli.com	Add Email	Remove Email

Application Information:

Title of the Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT		
Attorney Docket Number	055743-483778	**Small Entity Status Claimed**	☒
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	8	**Suggested Figure for Publication (if any)**	

Filing By Reference :

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

Publication Information:

☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)

☐ **Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32).
Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	◉ Customer Number	○ US Patent Practitioner	○ Limited Recognition (37 CFR 11.9)
Customer Number	27148		

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) or indicate National Stage entry from a PCT application. Providing this information in the application data sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.
When referring to the current application, please leave the application number blank.

Prior Application Status	Pending		Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
	Claims benefit of provisional	~~61192716~~ 61912716	2013-12-06

Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button. Add

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55(d). When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX) [i]the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(h)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

Remove

Application Number	Country [i]	Filing Date (YYYY-MM-DD)	Access Code[i] (if applicable)

Additional Foreign Priority Data may be generated within this form by selecting the **Add** button. Add

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

☐ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.
NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

Authorization to Permit Access:

☒ Authorization to Permit Access to the Instant Application by the Participating Offices

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the instant patent application is filed access to the instant patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the instant patent application is filed to have access to the instant patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the instant patent application with respect to: 1) the instant patent application-as-filed; 2) any foreign application to which the instant patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the instant patent application; and 3) any U.S. application-as-filed from which benefit is sought in the instant patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing this Authorization.

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Applicant 1 Remove

If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.

Clear

◉ Assignee	○ Legal Representative under 35 U.S.C. 117	○ Joint Inventor
○ Person to whom the inventor is obligated to assign.	○ Person who shows sufficient proprietary interest	

If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:

Name of the Deceased or Legally Incapacitated Inventor :

If the Applicant is an Organization check here. ☒

Organization Name	The Arizona Board of Regents for and on Behalf of Arizona State University

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

Mailing Address Information:			
Address 1	699 S. Mills Avenue		
Address 2	Suite 601, Room 691A		
City	Tempe	**State/Province**	AZ
Country i US		Postal Code	85281
Phone Number		Fax Number	
Email Address			

Additional Applicant Data may be generated within this form by selecting the Add button. Add

Assignee Information including Non-Applicant Assignee Information:

Providing assignment information in this section does not subsitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Assignee 1

Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication . An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.

Remove

If the Assignee or Non-Applicant Assignee is an Organization check here. ☐

Prefix	**Given Name**	Middle Name	**Family Name**	Suffix

Mailing Address Information For Assignee including Non-Applicant Assignee:			
Address 1			
Address 2			
City		**State/Province**	
Country i		Postal Code	
Phone Number		Fax Number	
Email Address			

Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button. Add

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

Signature:

Remove

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications					
Signature	/Ari M. Bai/			Date (YYYY-MM-DD)	2014-12-08
First Name	Ari M.	Last Name	Bai	Registration Number	45342

Additional Signature may be generated within this form by selecting the Add button. Add

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

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

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

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

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

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

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

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

Secrecy Order 37 CFR 5.2

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

Inventor Information:

Inventor 1 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	RIDA	A.	BAZZI	

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

City	Scottsdale	State/Province	AZ	Country of Residence	US

Mailing Address of Inventor:

Address 1	9813 E. Lofty Point Rd.		
Address 2			
City	Scottsdale	State/Province	AZ
Postal Code	85262	Country	US

Inventor 2 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	MOHSEN		ZOHREVANDI	

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

City	Tempe	State/Province	AZ	Country of Residence	US

Mailing Address of Inventor:

Address 1	1701 E. 8th Street, Apt. 270		
Address 2			
City	Tempe	State/Province	AZ
Postal Code	85281	Country	US

All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button. Add

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below.
For further information see 37 CFR 1.33(a).

PTO/AIA/14 (12-13)
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

☐ An Address is being provided for the correspondence Information of this application.			
Customer Number	27148		
Email Address	uspt@polsinelli.com	Add Email	Remove Email

Application Information:

Title of the Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT		
Attorney Docket Number	055743-483778	Small Entity Status Claimed	☒
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	8	Suggested Figure for Publication (if any)	

Filing By Reference :

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

Publication Information:

☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)

☐ **Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32).
Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	◉ Customer Number	○ US Patent Practitioner	○ Limited Recognition (37 CFR 11.9)
Customer Number	27148		

PTO/AIA/14 (12-13)
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) or indicate National Stage entry from a PCT application. Providing this information in the application data sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.
When referring to the current application, please leave the application number blank.

Prior Application Status	Pending		Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
	Claims benefit of provisional	61912716	2013-12-06

Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button.

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55(d). When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX)[i] the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(h)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

Remove

Application Number	Country[i]	Filing Date (YYYY-MM-DD)	Access Code[i] (if applicable)

Additional Foreign Priority Data may be generated within this form by selecting the **Add** button.

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

☐ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.
NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

Authorization to Permit Access:

☒ Authorization to Permit Access to the Instant Application by the Participating Offices

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the instant patent application is filed access to the instant patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the instant patent application is filed to have access to the instant patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the instant patent application with respect to: 1) the instant patent application-as-filed; 2) any foreign application to which the instant patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the instant patent application; and 3) any U.S. application-as-filed from which benefit is sought in the instant patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date o f filing this Authorization.

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Applicant 1

If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.

Clear

◉ Assignee	○ Legal Representative under 35 U.S.C. 117	○ Joint Inventor
○ Person to whom the inventor is obligated to assign.	○ Person who shows sufficient proprietary interest	

If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:

Name of the Deceased or Legally Incapacitated Inventor :	
If the Applicant is an Organization check here. ☒	
Organization Name	The Arizona Board of Regents for and on Behalf of Arizona State University

PTO/AIA/14 (12-13)
Approved for use through 01/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

Mailing Address Information For Applicant:			
Address 1	699 S. Mill Avenue		
Address 2	Suite 601, Room 691A		
City	Tempe	State/Province	AZ
Country i	US	Postal Code	85281
Phone Number		Fax Number	
Email Address			

Additional Applicant Data may be generated within this form by selecting the Add button.

Assignee Information including Non-Applicant Assignee Information:

Providing assignment information in this section does not subsitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Assignee 1

Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication . An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.

If the Assignee or Non-Applicant Assignee is an Organization check here. ☐

Prefix	Given Name	Middle Name	Family Name	Suffix

Mailing Address Information For Assignee including Non-Applicant Assignee:			
Address 1			
Address 2			
City		State/Province	
Country i		Postal Code	
Phone Number		Fax Number	
Email Address			

Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button.

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CrowdStrike EX1002 Page 152

PTO/AIA/14 (12-13)
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	055743-483778
	Application Number	
Title of Invention	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

Signature:

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

Signature	/Ari M. Bai/			Date (YYYY-MM-DD)	2014-12-08
First Name	Ari M.	Last Name	Bai	Registration Number	38726

Additional Signature may be generated within this form by selecting the Add button.

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

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

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

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

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent C o o p eration Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

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

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UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
14/563,712	12/08/2014	2447	435	055743-483778	18	3

CONFIRMATION NO. 7752

CORRECTED FILING RECEIPT

27148
POLSINELLI PC
900 WEST 48TH PLACE
SUITE 900
KANSAS CITY, MO 64112-1895

OC000000075478859

Date Mailed: 06/05/2015

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

Inventor(s)

RIDA A. BAZZI, Scottsdale, AZ;
MOHSEN ZOHREVANDI, Tempe, AZ;

Applicant(s)

The Arizona Board of Regents for and on Behalf of Arizona State University, Tempe, AZ;

Power of Attorney: None

Domestic Applications for which benefit is claimed - None. This appln claims benefit of 61/912,716 12/06/2013

A proper domestic benefit claim must be provided in an Application Data Sheet in order to constitute a claim for domestic benefit. See 37 CFR 1.76 and 1.78.

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see http://www.uspto.gov for more information.) - None.
Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

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

If Required, Foreign Filing License Granted: 02/12/2015
The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/563,712**
Projected Publication Date: 06/09/2016
Non-Publication Request: No
Early Publication Request: No

IPR2025-01400
CrowdStrike EX1002 Page 155

** MICRO ENTITY **

Title

SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT

Preliminary Class

709

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

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

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

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

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

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

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

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LICENSE FOR FOREIGN FILING UNDER

Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

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

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

NOT GRANTED

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

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

Electronic Acknowledgement Receipt	
EFS ID:	22969155
Application Number:	14563712
International Application Number:	
Confirmation Number:	7752
Title of Invention:	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT
First Named Inventor/Applicant Name:	RIDA A. BAZZI
Customer Number:	27148
Filer:	Ari M. Bai/Sam Bethune
Filer Authorized By:	Ari M. Bai
Attorney Docket Number:	055743-483778
Receipt Date:	20-JUL-2015
Filing Date:	08-DEC-2014
Time Stamp:	18:45:27
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Petition for review/processing depending on status	Petition.pdf	78640 0eb47924c0775c7f0a0efe094601eeff09414c84	no	2
Warnings:					
Information:					

2	Miscellaneous Incoming Letter	Request_to_Correct_Priority_Claim.pdf	58840 ca6ad36ca0d90c0a34b2afb16f8408106c87b965	no	1
Warnings:					
Information:					
3	Preliminary Amendment	Preliminary_Amendment.pdf	74547 df187bf30cd3ac96640e759ef5a0560f0e5d1163	no	3
Warnings:					
Information:					
4	Miscellaneous Incoming Letter	Marked_Up_Application_Data_Sheet.pdf	3239919 a8cf377f5289fcd35cd6855667be66a798d6d27d	no	7
Warnings:					
Information:					
5	Miscellaneous Incoming Letter	Revised_Application_Data_Sheet.pdf	152486 e3000527d8a17c97a21a0032374168e069a33d01	no	7
Warnings:					
Information:					
6	Miscellaneous Incoming Letter	Marked_Up_Filing_Receipt.pdf	2320306 9647c29a4be35fa3185735 12f69b02ed4fd02359	no	3
Warnings:					
Information:					
		Total Files Size (in bytes):	5924738		

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

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

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

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

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

PTO/AIA/82A (07-13)
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NOTE: This form is to be submitted with the Power of Attorney by Applicant form (PTO/AIA/82B) to identify the application to which the Power of Attorney is directed, in accordance with 37 CFR 1.5, unless the application number and filing date are identified in the Power of Attorney by Applicant form. If neither form PTO/AIA/82A nor form PTO/AIA82B identifies the application to which the Power of Attorney is directed, the Power of Attorney will not be recognized in the application.

Application Number	14/563,712
Filing Date	December 8, 2014
First Named Inventor	RIDA A. BAZZI, et al.
Title	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT
Art Unit	2447
Examiner Name	TBD
Attorney Docket Number	055743-483778

SIGNATURE of Applicant or Patent Practitioner

Signature	/Ari M. Bai/	Date (Optional)	
Name	Ari M. Bai	Registration Number	38726
Title (if Applicant is a juristic entity)			
Applicant Name (if Applicant is a juristic entity)			

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. If more than one applicant, use multiple forms.

☑ *Total of _____ forms are submitted.

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Doc Code: PA..
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POWER OF ATTORNEY BY APPLICANT

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

Application Number	Filing Date
14/563,712	December 8, 2014

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

☑ I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above: 27148

OR

☐ I hereby appoint Practitioner(s) named in the attached list (form PTO/AIA/82C) as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the patent application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above. (Note: Complete form PTO/AIA/82C.)

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Firm or Individual Name					
Address					
City		State		Zip	
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I am the Applicant (if the Applicant is a juristic entity, list the Applicant name in the box):

ARIZONA BOARD OF REGENTS ON BEHALF OF ARIZONA STATE UNIVERSITY

☐ Inventor or Joint Inventor (title not required below)

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

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

☐ Person Who Otherwise Shows Sufficient Proprietary Interest (e.g., a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document) (provide signer's title if applicant is a juristic entity)

SIGNATURE of Applicant for Patent

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

Signature	Tamara Deuser	Date (Optional)	4/17/14
Name	Tamara Deuser		
Title	Associate Vice President for Operations at OKED, Arizona Board of Regents on Behalf of Arizona State University		

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

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STATEMENT UNDER 37 CFR 3.73(c)

Applicant/Patent Owner: ARIZONA BOARD OF REGENTS ON BEHALF OF ARIZONA STATE UNIVERSITY

Application No./Patent No.: 14/563,712 Filed/Issue Date: December 8, 2014

Titled: SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT

ARIZONA BOARD OF REGENTS ON BEHALF OF ARIZONA STATE UNIVERSITY, a university

(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 035506, Frame 0049, 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: _____ 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

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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**.

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STATEMENT UNDER 37 CFR 3.73(c)

3. From: _____ To: _____

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☐ 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.

/Ari M. Bai/	August 11, 2015
Signature	Date
Ari M. Bai	U.S. Reg. No. 38726
Printed or Typed Name	Title or Registration Number

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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)).
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8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Acknowledgement Receipt	
EFS ID:	23182772
Application Number:	14563712
International Application Number:	
Confirmation Number:	7752
Title of Invention:	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT
First Named Inventor/Applicant Name:	RIDA A. BAZZI
Customer Number:	27148
Filer:	Ari M. Bai/Janelle Wiggins
Filer Authorized By:	Ari M. Bai
Attorney Docket Number:	055743-483778
Receipt Date:	11-AUG-2015
Filing Date:	08-DEC-2014
Time Stamp:	21:21:22
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Power of Attorney	055743-483778-POA_executed_final.pdf	1770637 f5f912f21f07a518324250d8813e18c214ed ec65	no	2
Warnings:					
Information:					

2	Assignee showing of ownership per 37 CFR 3.73	055743-483778-373c-Statement_final.pdf	71950 b784c749f5922502dc4c6d5ab16d1c1cbe32baad	no	3

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

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

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

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/563,712	12/08/2014	RIDA A. BAZZI	055743-483778

CONFIRMATION NO. 7752

27148
POLSINELLI PC
900 WEST 48TH PLACE
SUITE 900
KANSAS CITY, MO 64112-1895

POA ACCEPTANCE LETTER

OC000000076958874

Date Mailed: 08/20/2015

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 08/11/2015.

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

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

/mteklemichael/

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	14563712
Filing Date	2014-12-08
First Named Inventor	BAZZI, Rida A
Art Unit	2447
Examiner Name	TBD
Attorney Docket Number	055743-483778 (M14-061P)

U.S.PATENTS

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
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Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	14563712
	Filing Date	2014-12-08
	First Named Inventor	BAZZI, Rida A
	Art Unit	
	Examiner Name	
	Attorney Docket Number	055743-483778

	1	M. Zohrevandi & R. Bazzi, "Auto-FBI: A User-friendly Approach for Secure Access to Sensitive Content on the Web", Proceedings of the 29th Annual Computer Security Applications Conference (ASSAC ' 13), December 09 - 13 2013, pp 349 - 358, 2013	☐
	2	A. Barth, C. Jackson, and J. C. Mitchell, "Robust defenses for cross-site request forgery", Proceedings of the 2008 ACM conference on Computer and Communications Security, CCS'08, pages 75–88, 2008. □	☐
	3	N. Bielova, D. Devriese, F. Massacci, and F. Piessens, :Reactive non-interference for a browser model", Proceedings of the 2011 international conference on Network and System Security, NSS'11, pages 97–104, 2011.	☐
	4	D. F. C. Brewer and M. J. Nash, "The Chinese wall security policy", In Security and Privacy, 1989. Proceedings., 1989 IEEE Symposium on, pages 206–214. IEEE, 1989.	☐
	5	R. Capizzi, A. Longo, V. N. Venkatakrishnan, and A. P. Sistla, "Preventing information leaks through shadow executions", Annual Computer Security Applications Conference, 2008, ACSAC'08, pages 322–331, 2008. □	☐
	6	E. Y. Chen, J. Bau, C. Reis, A. Barth, and C. Jackson, :App isolation: get the security of multiple browsers with just one", Proceedings of the 18th ACM conference on Computer and communications security, CCS '11, pages 227–238, 2011.	☐
	7	W. De Groef, D. Devriese, N. Nikiforakis, and F. Piessens, "Flowfox: a web browser with flexible and precise information flow control", Proceedings of the 2012 ACM conference on Computer and Communications Security, CCS'12, pages 748–759, 2012.	☐
	8	D. Devriese and F. Piessens, "Noninterference through secure multi-execution", Proceedings of the 2010 IEEE Symposium on Security and Privacy, SP'10, pages 109–124, 2010.	☐
	9	T. Garfinkel, "Traps and pitfalls: Practical problems in system call interposition based security tools", Proceedings of the 2003 Network and Distributed Systems Security Symposium, volume 33 of NDSS'03, 2003.	☐
	10	B. Hicks, S. Rueda, D. King, T. Moyer, J. Schiffman, Y. Sreenivasan, P. McDaniel, and T. Jaeger, "An architecture for enforcing end-to-end access control over web applications", Proceedings of the 15th ACM symposium on Access control models and technologies, SACMAT'10, pages 163–172, 2010.	☐
	11	C. Jackson, A. Barth, A. Bortz, W. Shao, andD. Boneh, "Protecting browsers from dns rebinding attacks", ACM Transactions on the Web (TWEB), 3(1):2, 2009	☐

IPR2025-01400
CrowdStrike EX1002 Page 169

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	14563712
	Filing Date	2014-12-08
	First Named Inventor	BAZZI, Rida A
	Art Unit	
	Examiner Name	
	Attorney Docket Number	055743-483778

	12	D. Jang, R. Jhala, S. Lerner, and H. Shacham, "An empirical study of privacy-violating information flows in javascript web applications", Proceedings of the 2010 ACM conference on Computer and Communications Security, CCS'10, pages 270–283, 2010.	☐
	13	M. Johns, "On javascript malware and related threat", Journal in Computer Virology, 4(3):161–178, 2008.	☐
	14	E. Kirda and C. Kruegel, "Protecting users against phishing attacks", The Computer Journal, 49(5):554–561, 2006.	☐
	15	N. Provos, P. Mavrommatis, M. A. Rajab, and F. Monrose, "All your iframes point to us", Proceedings of the 2008 Security Symposium, SS'08, pages 1–15, 2008.	☐
	16	G. Rydstedt, E. Bursztein, D. Boneh, and C. Jackson, "Busting frame busting: a study of clickjacking vulnerabilities at popular sites", IEEE Oakland Web 2.0,Security an Privacy Workshop, 2010.	☐
	17	Z. Weinberg, E. Y. Chen, P. R. Jayaraman, and C. Jackson, "I still know what you visited last summer: Leaking browsing history via user interaction and side channel attacks", Proceedings of the 2011 IEEE Symposium on Security and Privacy, SP'11, pages 147–161, 2011.	☐

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

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

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

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	14563712
	Filing Date	2014-12-08
	First Named Inventor	BAZZI, Rida A
	Art Unit	
	Examiner Name	
	Attorney Docket Number	055743-483778

CERTIFICATION STATEMENT

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

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

OR

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

☐ See attached certification statement.

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

☐ None

SIGNATURE

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

Signature	/Ari M. Bai/	Date (YYYY-MM-DD)	2015-10-19
Name/Print	Ari M. Bai	Registration Number	38726

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of th attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advis that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicit 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.

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Electronic Acknowledgement Receipt

EFS ID:	23821039
Application Number:	14563712
International Application Number:	
Confirmation Number:	7752
Title of Invention:	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT
First Named Inventor/Applicant Name:	RIDA A. BAZZI
Customer Number:	27148
Filer:	Ari M. Bai
Filer Authorized By:	
Attorney Docket Number:	055743-483778
Receipt Date:	19-OCT-2015
Filing Date:	08-DEC-2014
Time Stamp:	14:31:14
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Information Disclosure Statement (IDS) Form (SB08)	IDS.pdf	2699799 e839e1aed1dbe9c2ae7a12679cf5e5c64170e3bd	no	5
Warnings:					
Information:					

This is not an USPTO supplied IDS fillable form					
2	Non Patent Literature	Zohrevandi.pdf	540743 1a9005cbd19072bd1066e6cda722488a8ed7df1c	no	10
Warnings:					
Information:					
3	Non Patent Literature	Barth.pdf	669537 9a4054ccb6c64e711a71527f26126670863deac3	no	13
Warnings:					
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4	Non Patent Literature	Bielova.pdf	242691 4e7c5d6888c0f3228b34c3f8d9a4790777bf24a3	no	8
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5	Non Patent Literature	Brewer.pdf	1102546 2b264ea3a22f85c3a4583c01bc12fdd7515267e2	no	9
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6	Non Patent Literature	Capizzi.pdf	349145 ed6a8c708ea3c000f21411eb8445017858f2a788	no	10
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7	Non Patent Literature	Chen.pdf	447612 f227cd74570f37c60ccebde3997cfbe2851ea681	no	11
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Information:					
8	Non Patent Literature	DeGroef.pdf	593572 aec2fff76922385acee07bdbe12183fa0ed3a15d	no	12
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9	Non Patent Literature	Devriese.pdf	370853 75e8ba530e6424af0accf01c1203aa3ac35a8f0a	no	16
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11	Non Patent Literature	Hicks.pdf	500715 101cf9821b3ce0759f9a031faf09357ed4011f4b	no	10
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12	Non Patent Literature	Jackson.pdf	460927 063d89c4d0711b4d5ecadc5399f1fe273becdee8	no	26
Warnings:					
Information:					
13	Non Patent Literature	Jang.pdf	549123 82ce3d2176af9990e118e7381a1c71b58b3f2634	no	14
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14	Non Patent Literature	Johns.pdf	359164 63473d11d37d0737194315f2f15ce580a1a1f649	no	18
Warnings:					
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15	Non Patent Literature	Kirda.pdf	617916 e55f58041f5ff21fba319bbb277b98341fac0b3f	no	8
Warnings:					
Information:					
16	Non Patent Literature	Provos.pdf	418095 d398cb973ea19dff7c89e0f57fd070b5baeed7c2	no	15
Warnings:					
Information:					
17	Non Patent Literature	Rydstedt.pdf	627700 0bac338922b15f4b3f428bccd366b10e569af0d5	no	13
Warnings:					
Information:					
18	Non Patent Literature	Weinberg.pdf	837756 17564a3d8be93847123f9b75a2dd8803c6ad5943	no	15
Warnings:					
Information:					
			Total Files Size (in bytes):	11930405	

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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.

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P.O. Box 1450
Alexandria, Virginia 22313-1450
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/563,712	12/08/2014	RIDA A. BAZZI	055743-483778

CONFIRMATION NO. 7752

27148
POLSINELLI PC
900 WEST 48TH PLACE
SUITE 900
KANSAS CITY, MO 64112-1895

PUBLICATION NOTICE

OC000000083541124

Title:SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT

Publication No.US-2016-0164946-A1
Publication Date:06/09/2016

NOTICE OF PUBLICATION OF APPLICATION

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

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

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

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

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Alexandria, Virginia 22313-1450
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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
14/563,712	12/08/2014	2458	435	055743-483778	18	3

CONFIRMATION NO. 7752

CORRECTED FILING RECEIPT

27148
POLSINELLI PC
900 WEST 48TH PLACE
SUITE 900
KANSAS CITY, MO 64112-1895

Date Mailed: 11/02/2016

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Inventor(s)

RIDA A. BAZZI, Scottsdale, AZ;
MOHSEN ZOHREVANDI, Tempe, AZ;

Applicant(s)

The Arizona Board of Regents for and on Behalf of Arizona State University, Tempe, AZ;

Power of Attorney: The patent practitioners associated with Customer Number 27148

Domestic Priority data as claimed by applicant

This appln claims benefit of 61/912,716 12/06/2013

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see http://www.uspto.gov for more information.) - None.
Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: No

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The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/563,712**

IPR2025-01400
CrowdStrike EX1002 Page 178

Projected Publication Date: Not Applicable

Non-Publication Request: No

Early Publication Request: No
**** MICRO ENTITY ****
Title

SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT

Preliminary Class

709

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

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Office of Petitions: Routing Sheet



Application No. 14/563,712

This application is being forwarded to your office for further processing. A decision has been rendered on a petition filed in this application, as indicated below. For details of this decision, please see the document PET.OP.DEC filed on the same date as this document.

- [X] **GRANTED**
- [ ] **DISMISSED**
- [ ] **DENIED**

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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
14/563,712	12/08/2014	2458	435	055743-483778	18	3

CONFIRMATION NO. 7752

CORRECTED FILING RECEIPT

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900 WEST 48TH PLACE
SUITE 900
KANSAS CITY, MO 64112-1895

Date Mailed: 11/02/2016

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Inventor(s)

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MOHSEN ZOHREVANDI, Tempe, AZ;

Applicant(s)

The Arizona Board of Regents for and on Behalf of Arizona State University, Tempe, AZ;

Power of Attorney: The patent practitioners associated with Customer Number 27148

Domestic Priority data as claimed by applicant

This appln claims benefit of 61/912,716 12/06/2013

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see http://www.uspto.gov for more information.) - None.
Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: No

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If Required, Foreign Filing License Granted: 02/12/2015

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/563,712**

IPR2025-01400
CrowdStrike EX1002 Page 182

Projected Publication Date: Not Applicable

Non-Publication Request: No

Early Publication Request: No
** **MICRO ENTITY** **
Title

SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT

Preliminary Class

709

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

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

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/563,712	12/08/2014	RIDA A. BAZZI	055743-483778	7752

27148 7590 11/04/2016

POLSINELLI PC
900 WEST 48TH PLACE
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EXAMINER	
NAOREEN, NAZIA	

ART UNIT	PAPER NUMBER
2458	

NOTIFICATION DATE	DELIVERY MODE
11/04/2016	ELECTRONIC

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

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

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

uspt@polsinelli.com

IPR2025-01400
CrowdStrike EX1002 Page 185

UNITED STATES PATENT AND TRADEMARK OFFICE

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

In re Application of	:	
Bazzi et al.	:	
Application No. 14/563,712	:	
Filed: December 8, 2014	:	DECISION ON PETITION
Attorney Docket No. 055743-483778	:	UNDER 37 CFR 1.78(c)
	:	

This is a decision on the "PETITION TO ACCEPT UNINTENTIONALLY DELAYED PRIORITY CLAIM UNDER 35 U.S.C. §§ 119 AND 120 ACCORDING TO 37 C.F.R. § 1.78" filed July 20, 2015, to accept an unintentionally delayed claim of priority to the prior-filed application as set forth in the concurrently filed application data sheet.

The petition is **GRANTED**.

This application was filed after March 16, 2013. The rules applicable to such applications are being applied in this case.

Effective with patent applications filed under 35 U.S.C. 111(a) or 363 on or after September 16, 2012, claims for foreign priority under § 1.55 and claims for priority under § 1.78 must be set forth in an application data sheet. *Changes to Implement the Inventor's Oath or Declaration Provisions of the Leahy-Smith America Invents Act: Final Rule*, 77 Fed. Reg. 48776 (August 14, 2012).

Effective December 18, 2013, 37 CFR 1.78(c) provides:

> Delayed claims under 35 U.S.C. 119(e) for the benefit of a prior-filed provisional application. If the reference required by 35 U.S.C. 119(e) and paragraph (a)(3) of this section is presented in a nonprovisional application after the time period provided by paragraph (a)(4) of this section, the claim under 35 U.S.C. 119(e) for the benefit of a prior-filed provisional application may be accepted if submitted during the pendency of the later-filed application and if the reference identifying the prior-

> filed application by provisional application number was unintentionally delayed. A petition to accept an unintentionally delayed claim under 35 U.S.C. 119(e) for the benefit of a prior-filed provisional application must be accompanied by:
>
> (1) The reference required by 35 U.S.C. 119(e) and paragraph (a)(3) of this section to the prior-filed provisional application, unless previously submitted;
>
> (2) The petition fee set forth in § 1.17(m); and
>
> (3) A statement that the entire delay between the date the benefit claim was due under paragraph (a)(4) of this section and the date the benefit claim was filed was unintentional. The Director may require additional information where there is a question whether the delay was unintentional.

A review of the application as filed reveals that the claim for priority set forth on petition were not set forth in an application data sheet on filing. The four and sixteen-month periods specified in 37 CFR § 1.78(a)(4) expired without the claim being properly submitted in an application data sheet. Thus, the instant petition is appropriate. In addition, the petition includes a statement of unintentional delay and the required petition fee.

On instant petition, applicant submitted an application data sheet containing the reference.

The filing date of provisional application no. 61/912,716 for which priority is claimed, is December 6, 2013, which is within twelve months of the filing date of this application filed (Monday) December 8, 2014.

The provisional application filing fee was paid in the prior-filed provisional application.

All of the above requirements having been satisfied, the late claim for benefit of priority to the prior-filed application under 35 U.S.C. § 119(e) is accepted as being unintentionally delayed.

Petitioner is advised that this decision grants the petition to accept the unintentionally delayed domestic benefit claim to the prior filed application(s) because the petition requirements of 37 CFR 1.78(c) and the formal requirements for claiming domestic benefit (see MPEP 211.01 et. seq.) have been met. This acceptance should not be construed as meaning that this application is entitled to the benefit of the prior-filed application(s). Whether a claimed invention in a nonprovisional application is entitled to the benefit of the filing date of a prior-filed application on the basis of the disclosure thereof is determined during examination if it becomes necessary to do so (e.g., intervening reference and interference proceeding). See MPEP 211.05.

A corrected Filing Receipt with the priority claim to the prior-filed application is enclosed.

Any questions concerning this matter may be directed to the undersigned at (571) 272-3219. All other inquiries concerning either the examination procedures or status of the application should be directed to the Technology Center.

The application is being referred to Technology Center Art Unit 2458 for consideration by the examiner of the claim for benefit of priority under 35 U.S.C. §119(e) of the prior-filed application as set forth in the application data sheet filed July 20, 2015.

/Nancy Johnson/

Nancy Johnson
Attorney Advisor
Office of Petitions

ATTACHMENT: Corrected Filing Receipt

Office of Petitions: Decision Count Sheet

Mailing Month

Application No. 14563712

14563712

For US serial numbers: enter number only, no slashes or commas. Ex: 10123456

For PCT: enter "51+single digit of year of filing+last 5 numbers", Ex. for PCT/US05/12345, enter 51512345

Deciding Official: JOHNSON, NANCY

Count (1) - Palm Credit 14/563,712

Decision: GRANT

FINANCE WORK NEEDED

☐ Select Check Box for YES

GRANT

Decision Type: 535 - 37 CFR 1.78(a)(3) & (a)(6) UNINTENTIONAL DEL/

535

Notes:

Count (2)

Decision: n/a

FINANCE WORK NEEDED

☐ Select Check Box for YES

Decision Type: NONE

Notes:

Count (3)

Decision: n/a

FINANCE WORK NEEDED

☐ Select Check Box for YES

Decision Type: NONE

Notes:

Initials of Approving Official (if required)

If more than 3 decisions, attach 2nd count sheet & mark this box

Printed on: *11/1/2016*

Office of Petitions Internal Document - Ver. 5.0

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/563,712	12/08/2014	RIDA A. BAZZI	055743-483778

CONFIRMATION NO. 7752

27148
POLSINELLI PC
900 WEST 48TH PLACE
SUITE 900
KANSAS CITY, MO 64112-1895

PUB REQUEST ACCEPTANCE LETTER

OC000000087066455

Date Mailed: 11/09/2016

NOTICE OF ACCEPTANCE OF PUBLICATION REQUEST

The request for voluntary publication, amended publication, early publication, redacted publication, republication, corrected publication or revised publication has been received for this application. The request, including payment of any necessary fee(s), is in compliance with 37 CFR 1.215, 1.217, 1.219 or 1.221.

The projected publication date is 02/16/2017.

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

/dterry/

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/563,712	12/08/2014	RIDA A. BAZZI	055743-483778	7752

27148 7590 12/23/2016

POLSINELLI PC
900 WEST 48TH PLACE
SUITE 900
KANSAS CITY, MO 64112-1895

EXAMINER	
NAOREEN, NAZIA	

ART UNIT	PAPER NUMBER
2458	

NOTIFICATION DATE	DELIVERY MODE
12/23/2016	ELECTRONIC

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

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IPR2025-01400
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Office Action Summary	Application No. 14/563,712	Applicant(s) BAZZI ET AL.	
	Examiner NAZIA NAOREEN	Art Unit 2458	AIA (First Inventor to File) Status Yes

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

Period for Reply

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

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

Status

1)☒ Responsive to communication(s) filed on *12/08/2014*.

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

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

3)☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

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

Disposition of Claims*

5)☒ Claim(s) *1-18* is/are pending in the application.

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

6)☐ Claim(s) _____ is/are allowed.

7)☒ Claim(s) *1-18* is/are rejected.

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

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

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

Application Papers

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

11)☒ The drawing(s) filed on *04/13/2015* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

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

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

Priority under 35 U.S.C. § 119

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

Certified copies:

a)☐ All b)☐ Some** c)☐ None of the:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

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

Attachment(s)

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

2) ☒ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date *10/19/2015*.

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

4) ☐ Other: _____.

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DETAILED ACTION

Status of Claims:

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

2. Claims 1 – 18 are pending.

Information Disclosure Statement

3. The information disclosure statement (IDS) was submitted on 10/19/2015. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

CLAIM INTERPRETATION

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

> (f) Element in Claim for a Combination. – An element in a claim for a combination may be expressed as a means or step for performing a specified function without the recital of structure, material, or acts in support thereof, and such claim shall be construed to cover the corresponding structure, material, or acts described in the specification and equivalents thereof.

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

> An element in a claim for a combination may be expressed as a means or step for performing a specified function without the recital of structure, material, or acts in support thereof, and such claim shall be construed to cover the corresponding structure, material, or acts described in the specification and equivalents thereof.

Use of the word “means” (or “step for”) in a claim with functional language creates a rebuttable presumption that the claim element is to be treated in accordance with 35 U.S.C. 112(f) (pre-AIA 35 U.S.C. 112, sixth paragraph). The presumption that 35 U.S.C. 112(f) (pre-AIA 35 U.S.C. 112, sixth paragraph) is invoked is rebutted when the function is recited with sufficient structure, material, or acts within the claim itself to entirely perform the recited function.

Absence of the word “means” (or “step for”) in a claim creates a rebuttable presumption that the claim element **is not** to be treated in accordance with 35 U.S.C. 112(f) (pre-AIA 35 U.S.C. 112, sixth paragraph). The presumption that 35 U.S.C. 112(f) (pre-AIA 35 U.S.C. 112, sixth paragraph) is not invoked is rebutted when the claim element recites function but fails to recite sufficiently definite structure, material or acts to perform that function.

Claim elements in this application that use the word “means” (or “step for”) are presumed to invoke 35 U.S.C. 112(f) except as otherwise indicated in an Office action. Similarly, claim elements that do not use the word “means” (or “step for”) are presumed not to invoke 35 U.S.C. 112(f) except as otherwise indicated in an Office action.

5. Claim limitation 1 has been interpreted under 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph, because it uses/they use a generic placeholder "the enforcer" and “the enabler” coupled with functional language “to ensure that web content satisfying two different categorizations is not accessed by a first browser instance of a web browser” and “to generate a second browser instance of the web browser to access a portion of the web content that satisfies one category of the at least two different categories” without reciting sufficient structure to achieve the function. Furthermore, the generic placeholder is not preceded by a structural modifier. The elements do not recite any hardware used to implement the functions.

Since the claim limitation(s) invokes 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph, claim 1 has been interpreted to cover the corresponding structure described in the specification that achieves the claimed function, and equivalents thereof.

A review of the specification shows that the following appears to be the corresponding structure described in the specification for the 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph limitation:

“(¶ 41) Enforcer … Intercepting System Calls … To intercept system calls, the system includes a ptrace API available in Linux. This API allows one program (tracer) to be notified and take control of every

system call made by another program (browser). The kernel puts the browser to sleep when it makes a system call and notifies the tracer. The tracer can then modify the contents of process virtual memory or registers and then let the browser resume execution. When the system call gets executed and returns from the kernel, and before the control gets back to the browser, the kernel notifies the tracer once more. At this point the tracer can also modify the return value of the system call. Using this API enables us to control every interaction between the browser and the operating system. The ptrace API is also used by many sandboxing applications to control system access"

"(¶ 46) Enabler: Launching Fresh Instances … To manage browser instances running in the system and launching new instances, the FBI system implements or otherwise includes a daemon which keeps track of all browser instances. The information on which new instances need to be launched comes from the extension component. The extension reports all URLs requested by the user to the daemon and also listens for incoming messages from the daemon in which case it will open the URL in a new tab. The daemon decide how to handle the URL sent by the extension: either open it in an existing browser instance by sending a message to the extension running in that instance or open a fresh instance in case an appropriate instance is not running".

If applicant wishes to provide further explanation or dispute the examiner's interpretation of the corresponding structure, applicant must identify the corresponding structure with reference to the specification by page and line number, and to the drawing, if any, by reference characters in response to this Office action.

If applicant does not intend to have the claim limitation(s) treated under 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112 , sixth paragraph, applicant may amend the claim(s) so that it/they will clearly not invoke 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph, or present a sufficient showing that the claim recites/recite sufficient structure, material, or acts for performing the claimed function to preclude application of 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph.

For more information, see MPEP § 2173 *et seq.* and *Supplementary Examination Guidelines for Determining Compliance With 35 U.S.C. 112 and for Treatment of Related Issues in Patent Applications*, 76 FR 7162, 7167 (Feb. 9, 2011).

Claim Rejections - 35 USC § 102

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

> A person shall be entitled to a patent unless –
>
> (a)(2) the claimed invention was described in a patent issued under section 151, or in an application for patent published or deemed published under section 122(b), in which the patent or application, as the case may be, names another inventor and was effectively filed before the effective filing date of the claimed invention.

7. Claims 1 - 18 are rejected under 35 U.S.C. 102(a)(2) as being anticipated by Shephard (US 9055048).

As per claim 1, an automatic fresh browser instance system allowing different categories of content to be displayed in different independent browser instances, the system comprising:

at least one computing device comprising:

an enforcer to ensure that web content satisfying two different categorizations is not accessed by a first browser instance of a web browser **(The server tests to ensure that the secure browser is installed before transmitting the secure content, or providing the secure content in encrypted form and prevent decryption except by a properly installed secure browser, See Col. 3, Lines 10 - 25)**; and

an enabler to generate a second browser instance of the web browser to access a portion of the web content that satisfies one category of the at least two different categories **(A new MIME type of "Questionmark Secure Browser" is specified which starts the secure browser to display content that requires more security than a normal browser would provide, See Col. 7, Lines 11 - 24)**.

As per claim 2, the automatic fresh instance browser system of claim 1, wherein the second instance is launched automatically to a client device for display **(The present invention covers methods and**

apparatus for allowing the display of the secure content through a secure browser which is launched automatically when such secure content is encountered, See Col. 2, Lines 51 - 67).

As per claim 3, the automatic fresh instance browser system of claim 1, wherein to ensure that the web content satisfying two different categorizations is not accessed by a first browser instance of a web browser comprises executing an API call to intercept a system call corresponding to the web browser **(An API is provided to control certain functions of a browser from the server, See Col. 7, Lines 1 - 7)**.

As per claim 4, the automatic fresh instance browser system of claim 1, wherein the at least two different categories includes a sensitive information category indicating that the portion of the web content that presents a security risk **(The Secure Browser provides the same facilities as typical browsers, but it incorporates many additional security features, See Col. 4, Lines 19 - 22)**.

As per claim 5, the automatic fresh instance browser system of claim 1, wherein to ensure that the web content from two different categories is not accessed by the first browser instance of a web browser comprises: executing a tracer to determine whether or not a requested network object is allowed to be accessed by the first browser instance **(A web page contains a link (triggering link) that, when accessed, passes a MIME type to indicate that a secure browser is required to display this content, See Col. 7, Lines 25 - 27)**.

As per claim 6, the automatic fresh instance browser system of claim 1, wherein the enforcer further configured to prevent a browser instance from communicating with a source that does not raise a conflict of interest **(While the MIME type specifies that a secure browser should be used, it is possible that other applications could intervene and display the content insecurely. Current browsers can do this by indicating their name in the HTTP User-Agent header, but this can be 'spoofed' or forged quite easily. These limitations require there be a method of authentication to confirm that a secure browser is truly running within the user's' environment, See Col. 7, Lines 47 - 61)**.

As per claim 7, a method for allowing different categories of content to be displayed in different independent browser instances, the method comprising:

verifying, using at least one computing device, that web content satisfying two different categorizations is not accessed by a first browser is not accessed by a first browser instance of a web browser **(The server tests to ensure that the secure browser is installed before transmitting the secure content, or providing the secure content in encrypted form and prevent decryption except by a properly installed secure browser, See Col. 3, Lines 10 - 25)**; and

generating, using the at least one computing device, a second browser instance of the web browser to access a portion of the web content that satisfies one category of the at least two different categories **(A new MIME type of "Questionmark Secure Browser" is specified which starts the secure browser to display content that requires more security than a normal browser would provide, See Col. 7, Lines 11 - 24)**.

As per claim 8, the method of claim 7, wherein the second instance is launched automatically to a client device for display **(The present invention covers methods and apparatus for allowing the display of the secure content through a secure browser which is launched automatically when such secure content is encountered, See Col. 2, Lines 51 - 67)**.

As per claim 9, the method of claim 7, wherein to ensure that the web content satisfying two different categorizations is not accessed by a first browser instance of a web browser comprises executing an API call to intercept a system call corresponding to the web browser **(An API is provided to control certain functions of a browser from the server, See Col. 7, Lines 1 - 7)**.

As per claim 10, the method of claim 7, wherein the at least two different categories includes a sensitive information category indicating that the portion of the web content that presents a security risk **(The**

Secure Browser provides the same facilities as typical browsers, but it incorporates many additional security features, See Col. 4, Lines 19 - 22).

As per claim 11, the method of claim 7, wherein to ensure that the web content from two different categories is not accessed by the first browser instance of a web browser comprises executing a tracer to determine whether or not a requested network object is allowed to be accessed by the first browser instance **(While the MIME type specifies that a secure browser should be used, it is possible that other applications could intervene and display the content insecurely. Current browsers can do this by indicating their name in the HTTP User-Agent header, but this can be 'spoofed' or forged quite easily. These limitations require there be a method of authentication to confirm that a secure browser is truly running within the user's' environment, See Col. 7, Lines 47 - 61)**.

As per claim 12, the method of claim 7, wherein the enforcer is further configured to prevent a browser instance from communicating with a source that does not raise a conflict of interest **(A web page contains a link (triggering link) that, when accessed, passes a MIME type to indicate that a secure browser is required to display this content, See Col. 7, Lines 25 - 27)**.

As per claim 13, a non-transitory computer readable medium encoded with instructions for allowing different categories of content to be displayed in different independent browser instances, the instructions, executable by a processor, comprising:

verifying that web content web content satisfying two different categorizations is not accessed by a first browser is not accessed by a first browser instance of a web browser **(The server tests to ensure that the secure browser is installed before transmitting the secure content, or providing the secure content in encrypted form and prevent decryption except by a properly installed secure browser, See Col. 3, Lines 10 - 25)**; and

generating a second browser instance of the web browser to access a portion of the web content that satisfies one category of the at least two different categories **(A new MIME type of "Questionmark**

Secure Browser" is specified which starts the secure browser to display content that requires more security than a normal browser would provide, See Col. 7, Lines 11 - 24).

As per claim 14, the non-transitory computer readable medium of claim 13, wherein the second instance is launched automatically to a client device for display **(The present invention covers methods and apparatus for allowing the display of the secure content through a secure browser which is launched automatically when such secure content is encountered, See Col. 2, Lines 51 - 67)**.

As per claim 15, the non-transitory computer readable medium of claim 13, wherein to ensure that the web content satisfying two different categorizations is not accessed by a first browser instance of a web browser comprises executing an API call to intercept a system call corresponding to the web browser **(An API is provided to control certain functions of a browser from the server, See Col. 7, Lines 1 - 7)**.

As per claim 16, the non-transitory computer readable medium of claim 13, wherein to ensure that the web content from two different categories is not accessed by the first browser instance of a web browser comprises executing a tracer to determine whether or not a requested network object is allowed to be accessed by the first browser instance **(While the MIME type specifies that a secure browser should be used, it is possible that other applications could intervene and display the content insecurely. Current browsers can do this by indicating their name in the HTTP User-Agent header, but this can be 'spoofed' or forged quite easily. These limitations require there be a method of authentication to confirm that a secure browser is truly running within the user's' environment, See Col. 7, Lines 47 - 61)**.

As per claim 17, the non-transitory computer readable medium of claim 13, wherein the enforcer is further configured to prevent a browser instance from communicating with a source that does not raise a conflict of interest **(A web page contains a link (triggering link) that, when accessed, passes a MIME type to indicate that a secure browser is required to display this content, See Col. 7, Lines 25 - 27)**.

As per claim 18, the non-transitory computer readable medium of claim 13, wherein the at least two different categories includes a sensitive information category indicating that the portion of the web content that presents a security risk **(The Secure Browser provides the same facilities as typical browsers, but it incorporates many additional security features, See Col. 4, Lines 19 - 22)**.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to NAZIA NAOREEN whose telephone number is (571)270-7282. The examiner can normally be reached on Monday to Friday 9 am to 5 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kevin Bates can be reached on (571)272-3980. 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.

/NAZIA NAOREEN/
Examiner, Art Unit 2458

/KEVIN BATES/
Supervisory Patent Examiner, Art Unit 2458

Notice of References Cited	Application/Control No. 14/563,712	Applicant(s)/Patent Under Reexamination BAZZI ET AL.	
	Examiner NAZIA NAOREEN	Art Unit 2458	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-9,055,048 B2	06-2015	Shepherd; Eric Robert	G06F21/62	1/1
	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	CPC Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

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

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

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CrowdStrike EX1002 Page 202

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BIB DATA SHEET

CONFIRMATION NO. 7752

SERIAL NUMBER	FILING or 371(c) DATE RULE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
14/563,712	12/08/2014	709	2458	055743-483778

APPLICANTS
The Arizona Board of Regents for and on Behalf of Arizona State University, Tempe, AZ;

INVENTORS
RIDA A. BAZZI, Scottsdale, AZ;
MOHSEN ZOHREVANDI, Tempe, AZ;

**** CONTINUING DATA ***************************
This appln claims benefit of 61/912,716 12/06/2013

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

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02/12/2015

Foreign Priority claimed ☐ Yes ☑ No 35 USC 119(a-d) conditions met ☐ Yes ☑ No Verified and Acknowledged /NAZIA NAOREEN/ Examiner's Signature	☐ Met after Allowance Initials	STATE OR COUNTRY	SHEETS DRAWINGS	TOTAL CLAIMS	INDEPENDENT CLAIMS
		AZ	8	18	3

ADDRESS

POLSINELLI PC
900 WEST 48TH PLACE
SUITE 900
KANSAS CITY, MO 64112-1895
UNITED STATES

TITLE

SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT

FILING FEE RECEIVED		
435	FEES: Authority has been given in Paper No._____ to charge/credit DEPOSIT ACCOUNT No._____ for following:	☐ All Fees ☐ 1.16 Fees (Filing) ☐ 1.17 Fees (Processing Ext. of time) ☐ 1.18 Fees (Issue) ☐ Other _____ ☐ Credit

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14563712	BAZZI ET AL.
	Examiner	Art Unit
	NAZIA NAOREEN	2458

CPC- SEARCHED		
Symbol	Date	Examiner
H04L 67/02	12/12/2016	NN
G06F 21/53	12/12/2016	NN
G06F 21/6263	12/12/2016	NN

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
709	219	12/12/2016	NN

SEARCH NOTES		
Search Notes	Date	Examiner
Inventor and Assignee	12/12/2016	NN
EAST(US-PGPUB, USPAT, USOCR, FPRS, EPO, JPO, DERWENT, IBM TDB), Google search	12/12/2016	NN
Classification and Double Patenting	12/12/2016	NN

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

/NAZIA NAOREEN/ Examiner.Art Unit 2458	

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14563712	BAZZI ET AL.
	Examiner	Art Unit
	NAZIA NAOREEN	2458

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

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

CLAIM		DATE								
Final	Original	12/12/2016								
	1	✓								
	2	✓								
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	16	✓								
	17	✓								
	18	✓								

IPR2025-01400
CrowdStrike EX1002 Page 205

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	21950	709/219.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/12/12 12:25
L2	4844323	fresh browser instance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/12/12 12:27
L3	8	fresh browser instance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:27
L4	1	l1 and l3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:28
L5	69	secure browser and second near browser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:29
L6	1	l1 and l5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:30
L7	20	5 AND ((G06F21/53 OR G06F21/6263 OR H04L67/02).CPC.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:31
L8	2	l3 AND ((G06F21/53 OR G06F21/6263 OR H04L67/02).CPC.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:32
L9	1	rida same bazzi.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:32
L10	675	arizona state university.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:33
L11	0	l9 and l10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:33

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	14563712
	Filing Date	2014-12-08
	First Named Inventor	BAZZI, Rida A
	Art Unit	2447
	Examiner Name	TBD
	Attorney Docket Number	055743-483778 (M14-061P)

U.S.PATENTS						
Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
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Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
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NON-PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.N/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	14563712
	Filing Date	2014-12-08
	First Named Inventor	BAZZI, Rida A
	Art Unit	
	Examiner Name	
	Attorney Docket Number	055743-483778

	1	M. Zohrevandi & R. Bazzi, "Auto-FBI: A User-friendly Approach for Secure Access to Sensitive Content on the Web", Proceedings of the 29th Annual Computer Security Applications Conference (ASSAC ' 13), December 09 - 13 2013, pp 349 - 358, 2013	☐
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
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	Filing Date	2014-12-08
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	Art Unit	
	Examiner Name	
	Attorney Docket Number	055743-483778

	12	D. Jang, R. Jhala, S. Lerner, and H. Shacham, "An empirical study of privacy-violating information flows in javascript web applications", Proceedings of the 2010 ACM conference on Computer and Communications Security, CCS'10, pages 270–283, 2010.	☐
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EXAMINER SIGNATURE

Examiner Signature	/NAZIA NAOREEN/	Date Considered	12/12/2016

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

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

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	14563712
	Filing Date	2014-12-08
	First Named Inventor	BAZZI, Rida A
	Art Unit	
	Examiner Name	
	Attorney Docket Number	055743-483778

CERTIFICATION STATEMENT

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

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

OR

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

☐ See attached certification statement.

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

☐ None

SIGNATURE

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

Signature	/Ari M. Bai/	Date (YYYY-MM-DD)	2015-10-19
Name/Print	Ari M. Bai	Registration Number	38726

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of Nati 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 h her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommen 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, an any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations abo 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 b disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an applica which became abandoned or in which the proceedings were terminated and which application is referenced by either published application, an application open to public inspections or an issued patent.

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

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/563,712	12/08/2014	RIDA A. BAZZI	055743-483778

CONFIRMATION NO. 7752

27148
POLSINELLI PC
900 WEST 48TH PLACE
SUITE 900
KANSAS CITY, MO 64112-1895

PUBLICATION NOTICE

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Title:SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT

Publication No.US-2017-0048298-A9
Publication Date:02/16/2017

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/.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	Rida A. Bazzi	Examiner:	Nazia Naoreen
Serial No.:	14/563,712	Group Art Unit:	2458
Filed:	December 8, 2014	Confirmation No.:	7752

For: SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT

AMENDMENT & RESPONSE UNDER 37 C.F.R. §1.111

TO THE COMMISSIONER FOR PATENTS

Sir:

This paper is responsive to the non-final Office Action mailed on December 23, 2016. Please enter the following amendments and consider the remarks below in accordance with the Rules of Practice. No fees are believed to be due in connection with the filing of this paper; however, should any fees be deemed necessary, the commissioner is hereby authorized to deduct any such fees from **Deposit Account No. 50-1662** referencing the above docket number.

Amendments to the claims are reflected in the listing that begins at page 2 of this paper.

Remarks begin at page 7 of this paper.

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CLAIM AMENDMENTS

Please amend the claims as follows:

1. (Currently amended) A system, comprising:
~~An automatic fresh browser instance system allowing different categories of content to be displayed in different independent browser instances, the system comprising:~~
~~at least one computing device comprising~~
a processor, operable to:
receive data about a first content class and a second content class;
generate a first browser instance associated with the first content class;
intercept a request to access content associated with the second content class; and
generate a second browser instance associated with the second content class
~~an enforcer to ensure that web content~~
~~satisfying two different categorizations is not accessed by a first browser instance of a web browser; and~~
~~an enabler to generate a second browser instance of the web browser to access a portion of the web content that satisfies one category of the at least two different categories~~.

2. (Currently amended) The ~~automatic fresh instance browser~~ system of claim 1, wherein the second browser instance is launched automatically ~~to a client device~~ for display, and the content associated with the second content class is associated with a web server.

3. (Currently amended) The ~~automatic fresh instance browser~~ system of claim 2 [[1]], wherein ~~to ensure that the web content satisfying two different~~

~~categorizations is not accessed by a first browser instance of a web browser comprises executing~~ the processor is operable to execute an API call to intercept a system call ~~corresponding~~ to the web server ~~browser~~.

4. (Currently amended) The ~~automatic fresh instance browser~~ system of claim 1, wherein the second content class is associated with web content that ~~at least two different categories~~ includes [[a]] sensitive information ~~category indicating~~ that ~~the portion of the web content that~~ presents a security risk.

5. (Currently amended) The ~~automatic fresh instance browser~~ system of claim 1, wherein the processor is operable to ensure that [[the]] web content from two different categories is not accessed by the first browser instance ~~of a web browser comprises:~~ using ~~executing~~ a tracer to determine whether or not a requested network object is allowed to be accessed by the first browser instance.

6. (Currently amended) The ~~automatic fresh instance browser~~ system of claim 1, ~~wherein the enforcer further configured to prevent a browser instance from communicating with a source that does not raise a conflict of interest~~ wherein the processor executes a daemon outside the first browser instance and second browser instance that tracks active browser instances and launches new browser instances.

7. (Currently amended) A method for allowing different categories of content to be displayed in different independent browser instances, the method comprising:

receiving information about the different categories of content to be displayed in different independent browser instances from a user;

verifying, using at least one computing device, that web content satisfying two different categorizations is not accessed by a first browser is not accessed by a first browser instance of a web browser; and

generating, using the at least one computing device, a second browser instance of the web browser to access a portion of the web content that satisfies one category of the at least two different categories.

8. (Original) The method of claim 7, wherein the second instance is launched automatically to a client device for display.

9. (Original) The method of claim 7, wherein to ensure that the web content satisfying two different categorizations is not accessed by a first browser instance of a web browser comprises executing an API call to intercept a system call corresponding to the web browser.

10. (Original) The method of claim 7, wherein the at least two different categories includes a sensitive information category indicating that the portion of the web content that presents a security risk.

11. (Original) The method of claim 7, wherein to ensure that the web content from two different categories is not accessed by the first browser instance of a web browser comprises

executing a tracer to determine whether or not a requested network object is allowed to be accessed by the first browser instance.

12. (Original) The method of claim 7, wherein the enforcer is further configured to prevent a browser instance from communicating with a source that does not raise a conflict of interest.

13. (Currently amended) A non-transitory computer readable medium encoded with instructions for allowing different categories of content to be displayed in different independent browser instances, the instructions, executable by a processor, comprising:

receiving information about the different categories of content to be displayed in different independent browser instances;

verifying that web content web content satisfying two different categorizations is not accessed by a first browser is not accessed by a first browser instance of a web browser; and

generating a second browser instance of the web browser to access a portion of the web content that satisfies one category of the at least two different categories.

14. (Original) The non-transitory computer readable medium of claim 13, wherein the second instance is launched automatically to a client device for display.

15. (Original) The non-transitory computer readable medium of claim 13, wherein to ensure that the web content satisfying two different categorizations is not accessed by a first browser instance of a web browser comprises executing an API call to intercept a system call corresponding to the web browser.

16. (Original) The non-transitory computer readable medium of claim 13, wherein to ensure that the web content from two different categories is not accessed by the first browser instance of a web browser comprises

executing a tracer to determine whether or not a requested network object is allowed to be accessed by the first browser instance.

17. (Original) The non-transitory computer readable medium of claim 13, wherein the enforcer is further configured to prevent a browser instance from communicating with a source that does not raise a conflict of interest.

18. (Original) The non-transitory computer readable medium of claim 13, wherein the at least two different categories includes a sensitive information category indicating that the portion of the web content that presents a security risk.

19. (New) The system of claim 3, further comprising:

wherein the processor is operable to pause execution of the first browser instance upon interception of the system call; and

wherein the API controls system calls made by other programs and browser instances.

REMARKS

This paper responds to the Examiner's Non-Final Office Action mailed on December 23, 2016. Reconsideration and continued examination in view of the foregoing response is respectfully requested.

Status of Claims

Claims 1-18 are currently pending in the instant application. By the instant response, claims 1-19 are now pending, with claims 1, 7, and 13 being independent. Claims 1-7 and 13 have been amended. Claim 19 has been added. The Applicants aver no new subject matter has been added.

§112 Rejections

The Examiner states that claim limitation 1 has been interpreted under U.S.C. Section 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph, because, allegedly: it uses/they use a generic placeholder "the enforcer" and "the enabler" coupled with functional language "to ensure that web content satisfying two different categorizations is not accessed by a first browser instance of a web browser" and "to generate a second browser instance of the web browser to access a portion of the web content that satisfies one category of the at least two different categories" without reciting sufficient structure to achieve the function. Furthermore, the generic placeholder allegedly is not preceded by a structural modifier. The elements allegedly do not recite any hardware used to implement the functions. Applicants respectfully traverse this rejection.

While the Applicants respectfully do not necessarily agree with the substance of the subject rejections, the Applicants have amended claim 1 for clarity which is respectfully believed to resolve the subject rejections.

102 Rejections (Shephard)

The Examiner rejected claims 1-18 under 35 U.S.C. §102(a)(2) as being anticipated by U.S. Patent No. 9,055,048 to Shephard ("Shephard"). Applicants respectfully traverse these rejections.

Independent claim 1 as amended recites the claim features of: a processor, operable to: receive data about a first content class and a second content class. As set forth in the subject application, information about content classes, or conflicts of interest, is received from and defined by a user. *See* paragraphs [0030]-[0039] of the subject application. Independent claims 7 and 13 have been amended to recite the same or similar claim features.

The Shepard reference does not disclose the features of receiving data about a first content class and a second content class. The Applicants acknowledge that Shepard is directed to a secured browser, but Shepard appears to specify and differentiate content from the server side; i.e., a web server or content server. In contrast, the Applicants disclose that certain forms, classes, or categories of web content may be defined by a user or from the client side. *See* paragraphs [0030]-[0039] of the subject application. The Applicants disclose various embodiments and detail in this regard depending on whether the user is novice or more experienced.

The Applicants further submit the features of intercepting system calls as described in claim 3 and further defined in new claim 19 are absent from Shepard. The Office Action points to broad language in Shepard that describes controlling certain functions of a browser from a server. Respectfully, the Applicants disagree that one of ordinary skill in the art would not equate such language or interpret such language as disclosing the features of utilizing an API to *intercept* system calls as claimed.

Therefore, the Shepard reference fails to disclose each and every element of independent claims 1, 7, and 13 and does not anticipate these claims. The Applicant further submits the dependent claims are also not anticipated by Shepard by virtue of being associated with independent claims 1, 7, and 13. Allowance of the claims is respectfully requested.

New Claims

The Applicants have added new claim 19 which depends from claim 3 (and claim 1). The features of claim 19 are supported by e.g. paragraphs [0040]-[0041] of the subject application and further define features of claim 3 which depends from

independent claim 1 and is respectfully believed to be in condition for allowance. The features of claim 19 are believed to be entirely absent from Shepard.

CONCLUSION

By the present response, the Applicants respectfully submit that the claims are in a condition for allowance, and notification to that effect is earnestly requested. The Examiner is invited to telephone Applicants' representative at (602) 650-2061 to facilitate prosecution of this application. If necessary, please charge any additional fees or credit overpayment to Deposit Account No. 50-1662.

Respectfully submitted,

POLSINELLI PC

Date: March 22, 2017

By: /Ari M. Bai/

Ari M. Bai, Reg. No.: 38,726
One E. Washington Street, Suite 1200
Phoenix, AZ 85004
Direct Phone: (602) 650-2061
E-Mail: uspto@polsinelli.com
Attorney for Applicants

Electronic Acknowledgement Receipt

EFS ID:	28711689
Application Number:	14563712
International Application Number:	
Confirmation Number:	7752
Title of Invention:	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT
First Named Inventor/Applicant Name:	RIDA A. BAZZI
Customer Number:	27148
Filer:	Ari M. Bai/Janelle Wiggins
Filer Authorized By:	Ari M. Bai
Attorney Docket Number:	055743-483778
Receipt Date:	22-MAR-2017
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Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Amendment/Req. Reconsideration-After Non-Final Reject	055743-483778-Response.pdf	48055 103501daa0e53639d9fc8c0cbb1cad8ec7083a3c	no	9
Warnings:					

Information:	
Total Files Size (in bytes):	48055

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

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

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

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

PTO/SB/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 14/563,712	Filing Date 12/08/2014	☐ To be Mailed

ENTITY: ☐ LARGE ☐ SMALL ☒ MICRO

APPLICATION AS FILED – PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	

APPLICATION AS AMENDED – PART II

AMENDMENT	03/22/2017	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 19	Minus	** 20	= 0	X $20 =	0
	Independent (37 CFR 1.16(h))	* 3	Minus	***3	= 0	X $105 =	0
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
						TOTAL ADD'L FEE	**0**

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

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

SLIE
TAMMY ACREE

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/563,712	12/08/2014	RIDA A. BAZZI	055743-483778	7752

27148 7590 05/19/2017
POLSINELLI PC
900 WEST 48TH PLACE
SUITE 900
KANSAS CITY, MO 64112-1895

EXAMINER	
NAOREEN, NAZIA	

ART UNIT	PAPER NUMBER
2458	

NOTIFICATION DATE	DELIVERY MODE
05/19/2017	ELECTRONIC

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

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

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

uspt@polsinelli.com

IPR2025-01400
CrowdStrike EX1002 Page 225

Office Action Summary	Application No. 14/563,712	Applicant(s) BAZZI ET AL.	
	Examiner NAZIA NAOREEN	Art Unit 2458	AIA (First Inventor to File) Status Yes

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

Period for Reply

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

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

Status

1)☒ Responsive to communication(s) filed on *03/22/2017*.

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

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

3)☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

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

Disposition of Claims*

5)☒ Claim(s) *1-19* is/are pending in the application.

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

6)☐ Claim(s) _____ is/are allowed.

7)☒ Claim(s) *1-19* is/are rejected.

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

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

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

Application Papers

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

11)☒ The drawing(s) filed on *04/13/2015* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

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

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

Priority under 35 U.S.C. § 119

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

Certified copies:

a)☐ All b)☐ Some** c)☐ None of the:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

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

Attachment(s)

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

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

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

4) ☐ Other: _____.

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CrowdStrike EX1002 Page 226

DETAILED ACTION

Status of Claims:

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

2. Claims 1 – 19 are pending.

3. Claims 1 – 7 and 13are amended.

4. Claim 19 is new. This rejection is **FINAL.**

Response to Arguments

5. Applicant's arguments in the amendment filed 03/22/2017 have been fully considered and are moot in view of new grounds of rejections. The reasons set forth below.

6. The previous claim interpretation has been withdrawn based on the applicant's amendments.

Claim Rejections - 35 USC § 103

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

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

8. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103 are summarized as follows:

1. Determining the scope and contents of the prior art.

2. Ascertaining the differences between the prior art and the claims at issue.

3. Resolving the level of ordinary skill in the pertinent art.

4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

9. Claims 1 – 2 and 4 – 18 are rejected under 35 U.S.C. 103 as being unpatentable over Shephard (US 9055048) and in view of Isherwood (US 20150278311).

As per claim 1, Shepard discloses a system, comprising:

a processor, operable to:

receive data (**Receiving data in response to the request, See Abstract / See Col. 8, Lines 3 - 27**)…

generate a first browser instance (**Communicating with at least one cooperative server through a normal browser, See Abstract / See Col. 8, Lines 3 - 27**) …

intercept a request to access content (**Automatically receiving encrypted data having an associated received type code indicative of a requirement for a secure browser having restricted functionality, See Abstract / See Col. 8, Lines 3 - 27**)…

generate a second browser instance (**Selectively and automatically invoking the secure browser for handling of the received encrypted data based on the received type code associated with the received encrypted data, See Abstract / See Col. 8, Lines 3 - 27**)…

Shepard however does not expressly disclose:

a first and second content class.

Isherwood discloses:

about a first content class and a second content class;

associated with the first content class;

associated with the second content class; and

associated with the second content class.

(**Content classes will group and organize a set of content properties into named categories. Because each content class is named, the user interface and programmatic**

interface can reference these content classes to make it simpler to construct queries on the unstructured content, See Paragraph 18)

It would have been obvious to an artisan of ordinary skill at the time of the Applicant's filing date to combine Isherwood's teaching of content classes, along with generating a browser instance to improve Shepard's system, the combination would result in the computer system of Shepard generating a browser instance based on content classes because the improvement will allow a more efficient system of securely browsing data on the internet.

As per claim 2, the system of claim 1, wherein the second browser is launched automatically for display, and the content associated with the second content class is associated with a web server (Shepard, **The present invention covers methods and apparatus for allowing the display of the secure content through a secure browser which is launched automatically when such secure content is encountered, See Col. 2, Lines 51 - 67**).

As per claim 4, the system of claim 1, wherein the second content class is associated with web content that includes sensitive information that presents a security risk (Shepard, **The Secure Browser provides the same facilities as typical browsers, but it incorporates many additional security features, See Col. 4, Lines 19 - 22**).

As per claim 5, the system of claim 1, wherein the processor is operable to ensure that web content from two different categories is not accessed by the first browser instance using a tracer to determine whether or not a requested network object is allowed to be accessed by the first browser instance (Shepard, **A web page contains a link (triggering link) that, when accessed, passes a MIME type to indicate that a secure browser is required to display this content, See Col. 7, Lines 25 - 27**).

As per claim 6, the system of claim 1, wherein the processor executes a daemon outside the first browser instance and second browser instance that tracks active browser instance and launches new browser instances (Shepard, **While the MIME type specifies that a secure browser should be used, it is possible that other applications could intervene and display the content insecurely. Current browsers can do this by indicating their name in the HTTP User-Agent header, but this can be 'spoofed' or forged quite easily. These limitations require there be a method of authentication to confirm that a secure browser is truly running within the user's' environment, See Col. 7, Lines 47 - 61)**.

As per claim 7, a method for allowing different categories of content to be displayed in different independent browser instances, the method comprising:

…

verifying, using at least one computing device, that web content satisfying two different categorizations is not accessed by a first browser is not accessed by a first browser instance of a web browser **(The server tests to ensure that the secure browser is installed before transmitting the secure content, or providing the secure content in encrypted form and prevent decryption except by a properly installed secure browser, See Col. 3, Lines 10 - 25)**; and

generating, using the at least one computing device, a second browser instance of the web browser to access a portion of the web content that satisfies one category of the at least two different categories **(A new MIME type of "Questionmark Secure Browser" is specified which starts the secure browser to display content that requires more security than a normal browser would provide, See Col. 7, Lines 11 - 24)**.

Shepard however does not expressly disclose:

receiving information about the different categories of content to be displayed in different independent browser instances from a user.

Isherwood discloses:

receiving information about the different categories of content to be displayed in different independent browser instances from a user {**Content classes will group and organize a set of content properties into named categories. Because each content class is named, the user interface and programmatic interface can reference these content classes to make it simpler to construct queries on the unstructured content, See Paragraph 18**};

It would have been obvious to an artisan of ordinary skill at the time of the Applicant's filing date to combine Isherwood's teaching of content classes, along with generating a browser instance to improve Shepard's system, the combination would result in the computer system of Shepard generating a browser instance based on content classes because the improvement will allow a more efficient system of securely browsing data on the internet.

As per claim 8, the method of claim 7, wherein the second instance is launched automatically to a client device for display (Shepard, **The present invention covers methods and apparatus for allowing the display of the secure content through a secure browser which is launched automatically when such secure content is encountered, See Col. 2, Lines 51 - 67**).

As per claim 9, the method of claim 7, wherein to ensure that the web content satisfying two different categorizations is not accessed by a first browser instance of a web browser comprises executing an API call to intercept a system call corresponding to the web browser (Shepard, **An API is provided to control certain functions of a browser from the server, See Col. 7, Lines 1 - 7**).

As per claim 10, the method of claim 7, wherein the at least two different categories includes a sensitive information category indicating that the portion of the web content that presents a security risk (Shepard, **The Secure Browser provides the same facilities as typical browsers, but it incorporates many additional security features, See Col. 4, Lines 19 - 22**).

As per claim 11, the method of claim 7, wherein to ensure that the web content from two different categories is not accessed by the first browser instance of a web browser comprises executing a tracer to determine whether or not a requested network object is allowed to be accessed by the first browser instance **(**Shepard, **While the MIME type specifies that a secure browser should be used, it is possible that other applications could intervene and display the content insecurely. Current browsers can do this by indicating their name in the HTTP User-Agent header, but this can be 'spoofed' or forged quite easily. These limitations require there be a method of authentication to confirm that a secure browser is truly running within the user's' environment, See Col. 7, Lines 47 - 61)**.

As per claim 12, the method of claim 7, wherein the enforcer is further configured to prevent a browser instance from communicating with a source that does not raise a conflict of interest **(**Shepard, **A web page contains a link (triggering link) that, when accessed, passes a MIME type to indicate that a secure browser is required to display this content, See Col. 7, Lines 25 - 27)**.

As per claim 13, a non-transitory computer readable medium encoded with instructions for allowing different categories of content to be displayed in different independent browser instances, the instructions, executable by a processor, comprising:

…

verifying that web content web content satisfying two different categorizations is not accessed by a first browser is not accessed by a first browser instance of a web browser **(The server tests to ensure that the secure browser is installed before transmitting the secure content, or providing the secure content in encrypted form and prevent decryption except by a properly installed secure browser, See Col. 3, Lines 10 - 25)**; and

generating a second browser instance of the web browser to access a portion of the web content that satisfies one category of the at least two different categories **(A new MIME type of "Questionmark**

Secure Browser" is specified which starts the secure browser to display content that requires more security than a normal browser would provide, See Col. 7, Lines 11 - 24).

Shepard however does not expressly disclose:

receiving information about the different categories of content to be displayed in different independent browser instances.

Isherwood discloses:

receiving information about the different categories of content to be displayed in different independent browser instances {**Content classes will group and organize a set of content properties into named categories. Because each content class is named, the user interface and programmatic interface can reference these content classes to make it simpler to construct queries on the unstructured content, See Paragraph 18**};

It would have been obvious to an artisan of ordinary skill at the time of the Applicant's filing date to combine Isherwood's teaching of content classes, along with generating a browser instance to improve Shepard's system, the combination would result in the computer system of Shepard generating a browser instance based on content classes because the improvement will allow a more efficient system of securely browsing data on the internet.

As per claim 14, the non-transitory computer readable medium of claim 13, wherein the second instance is launched automatically to a client device for display **(**Shepard, **The present invention covers methods and apparatus for allowing the display of the secure content through a secure browser which is launched automatically when such secure content is encountered, See Col. 2, Lines 51 - 67)**.

As per claim 15, the non-transitory computer readable medium of claim 13, wherein to ensure that the web content satisfying two different categorizations is not accessed by a first browser instance of a web browser comprises executing an API call to intercept a system call corresponding to the web browser **(**Shepard, **An API is provided to control certain functions of a browser from the server, See Col. 7, Lines 1 - 7)**.

As per claim 16, the non-transitory computer readable medium of claim 13, wherein to ensure that the web content from two different categories is not accessed by the first browser instance of a web browser comprises executing a tracer to determine whether or not a requested network object is allowed to be accessed by the first browser instance **(**Shepard, **While the MIME type specifies that a secure browser should be used, it is possible that other applications could intervene and display the content insecurely. Current browsers can do this by indicating their name in the HTTP User-Agent header, but this can be 'spoofed' or forged quite easily. These limitations require there be a method of authentication to confirm that a secure browser is truly running within the user's' environment, See Col. 7, Lines 47 - 61)**.

As per claim 17, the non-transitory computer readable medium of claim 13, wherein the enforcer is further configured to prevent a browser instance from communicating with a source that does not raise a conflict of interest **(**Shepard, **A web page contains a link (triggering link) that, when accessed, passes a MIME type to indicate that a secure browser is required to display this content, See Col. 7, Lines 25 - 27)**.

As per claim 18, the non-transitory computer readable medium of claim 13, wherein the at least two different categories includes a sensitive information category indicating that the portion of the web content that presents a security risk **(**Shepard, **The Secure Browser provides the same facilities as typical browsers, but it incorporates many additional security features, See Col. 4, Lines 19 - 22)**.

10. Claims 3 are 19 is rejected under 35 U.S.C. 103 as being unpatentable over Shephard (US 9055048), in view of Isherwood (US 20150278311), and further in view of Golan (US 5974549).

As per claim 3, the combination of Shepard and Isherwood discloses all limitation of claim 2.

The combination of Shepard and Isherwood however does not expressly disclose:

the processor is operable to execute an API call to intercept a system call to the web server.

Golan discloses:

the system of claim 2, wherein the processor is operable to execute an API call to intercept a system call to the web server **(The step of intercepting comprises the steps of injecting a security monitor into the address space of the application, and redirecting the preselected set of API calls issued by the software component to the security monitor, See Col. 2, Lines 49 – 57 and Col. 4, Line 62 - Col. 5, Line 14)**.

It would have been obvious to an artisan of ordinary skill at the time of the Applicant's filing date to combine Golan's teaching of intercepting API calls and Isherwood's teaching of content classes, along with generating a browser instance to improve Shepard's system, the combination would result in the computer system of Shepard intercepting API calls and generating a browser instance based on content classes because the improvement will allow a more efficient system of securely browsing data on the internet.

As per claim 19, the system of claim 3, further comprising:

wherein the processor is operable to pause execution of the first browser instance upon interception of the system call **(The first step is to launch the application to be monitored, which may be the Internet Explorer Web browser, in suspend mode, See Col. 8, Lines 11 - 21)**; and

wherein the API controls system calls made by other programs and browser instances **(The API interception method is applied to each module separately and can be configured to intercept any Windows API, See Col. 8, Lines 11 - 7)**.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to NAZIA NAOREEN whose telephone number is (571)270-7282. The examiner can normally be reached on Monday to Friday 9 am to 5 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kevin Bates can be reached on (571)272-3980. 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.

/NAZIA NAOREEN/
Examiner, Art Unit 2458

/HEE SOO KIM/
Primary Examiner, Art Unit 2457

Notice of References Cited	Application/Control No. 14/563,712	Applicant(s)/Patent Under Reexamination BAZZI ET AL.	
	Examiner NAZIA NAOREEN	Art Unit 2458	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-2015/0278311 A1	10-2015	Isherwood; Benjamin	G06F17/30705	707/741
*	B	US-5,974,549 A	10-1999	Golan; Gilad	G06F9/468	714/47.3
	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	CPC Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

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

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

IPR2025-01400
CrowdStrike EX1002 Page 238

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14563712	BAZZI ET AL.
	Examiner	Art Unit
	NAZIA NAOREEN	2458

CPC- SEARCHED		
Symbol	Date	Examiner
H04L 67/02	12/12/2016	NN
G06F 21/53	12/12/2016	NN
G06F 21/6263	12/12/2016	NN

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
709	219	12/12/2016	NN
709	219	5/8/2017	NN

SEARCH NOTES		
Search Notes	Date	Examiner
Inventor and Assignee	12/12/2016	NN
EAST(US-PGPUB, USPAT, USOCR, FPRS, EPO, JPO, DERWENT, IBM TDB), Google search	12/12/2016	NN
Classification and Double Patenting	12/12/2016	NN
Updated Search	5/8/2017	NN

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

/NAZIA NAOREEN/ Examiner.Art Unit 2458	

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14563712	BAZZI ET AL.
	Examiner	Art Unit
	NAZIA NAOREEN	2458

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

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

CLAIM		DATE								
Final	Original	12/12/2016	05/08/2017							
	1	✓	✓							
	2	✓	✓							
	3	✓	✓							
	4	✓	✓							
	5	✓	✓							
	6	✓	✓							
	7	✓	✓							
	8	✓	✓							
	9	✓	✓							
	10	✓	✓							
	11	✓	✓							
	12	✓	✓							
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	14	✓	✓							
	15	✓	✓							
	16	✓	✓							
	17	✓	✓							
	18	✓	✓							
	19		✓							

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EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	rida same bazzi.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2017/05/08 18:20
L2	72	secure browser and second near browser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2017/05/08 18:21
L3	21	L2 AND ((G06F21/53 OR G06F21/6263 OR H04L67/02).CPC.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2017/05/08 18:21
L4	9	fresh browser instance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2017/05/08 18:21
L5	3	L4 AND ((G06F21/53 OR G06F21/6263 OR H04L67/02).CPC.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2017/05/08 18:21
L6	4991467	fresh browser instance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/05/08 18:21
L7	15960	browser and api near call	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2017/05/08 18:22
L8	14042	browser and api call	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2017/05/08 18:22
L9	65	browser and api system call	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2017/05/08 18:22
S1	21950	709/219.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/12/12 12:25
S2	4844323	fresh browser instance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/12/12 12:27
S3	8	fresh browser instance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:27
S4	1	S1 and S3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:28
S5	69	secure browser and second near browser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:29
S6	1	S1 and S5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:30
S7	20	S5 AND ((G06F21/53 OR G06F21/6263 OR	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	ADJ	ON	2016/12/12 12:31

		H04L67/02).CPC.)	DERWENT; IBM_TDB			
S8	2	S3 AND ((G06F21/53 OR G06F21/6263 OR H04L67/02).CPC.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:32
S9	1	rida same bazzi.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:32
S10	675	arizona state university.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:33
S11	0	S9 and S10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:33

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Doc Code: A.NE.AFCP
Document Description: After Final Consideration Pilot Program Request

PTO/SB/434 (05-13)

CERTIFICATION AND REQUEST FOR CONSIDERATION UNDER THE AFTER FINAL CONSIDERATION PILOT PROGRAM 2.0

Practitioner Docket No.:	Application No.:	Filing Date:
055743-483778	14/563,712	December 8, 2014
First Named Inventor:	**Title:**	
Rida A. Bazzi	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT	

APPLICANT HEREBY CERTIFIES THE FOLLOWING AND REQUESTS CONSIDERATION UNDER THE AFTER FINAL CONSIDERATION PILOT PROGRAM 2.0 (AFCP 2.0) OF THE ACCOMPANYING RESPONSE UNDER 37 CFR 1.116.

1. The above-identified application is (i) an original utility, plant, or design nonprovisional application filed under 35 U.S.C. 111(a) [a continuing application (*e.g.*, a continuation or divisional application) is filed under 35 U.S.C. 111(a) and is eligible under (i)], or (ii) an international application that has entered the national stage in compliance with 35 U.S.C. 371(c).
2. The above-identified application contains an outstanding final rejection.
3. Submitted herewith is a response under 37 CFR 1.116 to the outstanding final rejection. The response includes an amendment to at least one independent claim, and the amendment does not broaden the scope of the independent claim in any aspect.
4. This certification and request for consideration under AFCP 2.0 is the only AFCP 2.0 certification and request filed in response to the outstanding final rejection.
5. Applicant is willing and available to participate in any interview requested by the examiner concerning the present response.
6. This certification and request is being filed electronically using the Office's electronic filing system (EFS-Web).
7. Any fees that would be necessary consistent with current practice concerning responses after final rejection under 37 CFR 1.116, *e.g.*, extension of time fees, are being concurrently filed herewith. [There is no additional fee required to request consideration under AFCP 2.0.]
8. By filing this certification and request, applicant acknowledges the following:
    - Reissue applications and reexamination proceedings are not eligible to participate in AFCP 2.0.
    - The examiner will verify that the AFCP 2.0 submission is compliant, *i.e.*, that the requirements of the program have been met (see items 1 to 7 above). For compliant submissions:
        - The examiner will review the response under 37 CFR 1.116 to determine if additional search and/or consideration (i) is necessitated by the amendment and (ii) could be completed within the time allotted under AFCP 2.0. If additional search and/or consideration is required but cannot be completed within the allotted time, the examiner will process the submission consistent with current practice concerning responses after final rejection under 37 CFR 1.116, *e.g.*, by mailing an advisory action.
        - If the examiner determines that the amendment does not necessitate additional search and/or consideration, or if the examiner determines that additional search and/or consideration is required and could be completed within the allotted time, then the examiner will consider whether the amendment places the application in condition for allowance (after completing the additional search and/or consideration, if required). If the examiner determines that the amendment does not place the application in condition for allowance, then the examiner will contact the applicant and request an interview.
            - The interview will be conducted by the examiner, and if the examiner does not have negotiation authority, a primary examiner and/or supervisory patent examiner will also participate.
            - If the applicant declines the interview, or if the interview cannot be scheduled within ten (10) calendar days from the date that the examiner first contacts the applicant, then the examiner will proceed consistent with current practice concerning responses after final rejection under 37 CFR 1.116.

Signature	Date
/Ari M. Bai/	August 21, 2017
Name (Print/Typed) Ari M. Bai	**Practitioner Registration No.** 38726

***Note**: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. Submit multiple forms if more than one signature is required, see below*.*

☐ * Total of _____ forms are submitted.

Electronic Acknowledgement Receipt	
EFS ID:	30132502
Application Number:	14563712
International Application Number:	
Confirmation Number:	7752
Title of Invention:	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT
First Named Inventor/Applicant Name:	RIDA A. BAZZI
Customer Number:	27148
Filer:	Ari M. Bai/Helen Miswell
Filer Authorized By:	Ari M. Bai
Attorney Docket Number:	055743-483778
Receipt Date:	21-AUG-2017
Filing Date:	08-DEC-2014
Time Stamp:	12:19:14
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		14-563712_ResponsetoFinalOA.pdf	55229 18444a68b4f5d3ed1a0e8f3f8fbf776974a96c00	yes	10

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Transmittal Letter	1	1
	Claims	2	5
	Applicant Arguments/Remarks Made in an Amendment	6	10

Warnings:					
Information:					
2	After Final Consideration Program Request	AfterFinalCertification.pdf	62206 7f7c704df0b15bc0c99e95361221080c4c455a20	no	1
Warnings:					
Information:					
		Total Files Size (in bytes):	117435		

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	Rida A. Bazzi	Examiner:	Nazia Naoreen
Serial No.:	14/563,712	Group Art Unit:	2458
Filed:	December 8, 2014	Confirmation No.:	7752

For: SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT

RESPONSE UNDER 37 C.F.R. §1.116

(After Final Consideration Pilot 2.0)

TO THE COMMISSIONER FOR PATENTS

Dear Commissioner:

This paper is responsive to the final Office Action mailed on May 19, 2017. Please enter the following amendments and consider the remarks below in accordance with the Rules of Practice. No fees are believed to be due in connection with the filing of this paper; however, should any fees be deemed necessary, the commissioner is hereby authorized to deduct any such fees from **Deposit Account No. 50-1662** referencing the above docket number.

Amendments to the claims are reflected in the listing that begins at page 2 of this paper.

Remarks begin at page 6 of this paper.

CLAIM AMENDMENTS

Please amend the claims as follows:

1. (Currently amended) A system, comprising:

a processor, operable to:

receive data about a first content class and a second content class, the second content class associated with web content that includes sensitive information presenting a security risk and defining a plurality of second class Uniform Resource Locaters (URLs) identified by a user;

generate a first browser instance associated with the first content class;

intercept a request to access content from the first browser instance, the request defining a Uniform Resource Locator (URL) associated with the second content class;

confirm that the URL is not associated with the first content class or another already-running browser instance associated with the second class; and

generate a second browser instance associated with the second content class to provide access to aspects of the URL.

2. (Previously presented) The system of claim 1, wherein the second browser instance is launched automatically for display, and the content associated with the second content class is associated with a web server.

3. (Previously presented) The system of claim 2, wherein the processor is operable to execute an API call to intercept a system call to the web server.

4. (Currently amended) The system of claim 1, wherein the first ~~second~~ content class is associated with a plurality of first class URLs predefined by the user, the

first plurality of first class URLs being different from the plurality of second class URLs ~~web content that includes sensitive information that presents a security risk~~.

5. (Previously presented) The system of claim 1, wherein the processor is operable to ensure that web content from two different categories is not accessed by the first browser instance using a tracer to determine whether or not a requested network object is allowed to be accessed by the first browser instance.

6. (Previously presented) The system of claim 1, wherein the processor executes a daemon outside the first browser instance and second browser instance that tracks active browser instances and launches new browser instances.

7. (Currently amended) A method for allowing different categories of content to be displayed in different independent browser instances, the method comprising:

receiving information about the different categories of content to be displayed in different independent browser instances from a user, at least one of the different categories of content being associated with sensitive information defining a security risk;

verifying, using at least one computing device, that web content satisfying two different categorizations is not accessed by ~~a first browser is not accessed by~~ a first browser instance of a web browser; and

generating, using the at least one computing device, a second browser instance of the web browser to access a portion of the web content that satisfies one category of the at least two different categories.

8. (Original) The method of claim 7, wherein the second instance is launched automatically to a client device for display.

9. (Original) The method of claim 7, wherein to ensure that the web content satisfying two different categorizations is not accessed by a first browser instance of a web browser comprises executing an API call to intercept a system call corresponding to the web browser.

10. (Original) The method of claim 7, wherein the at least two different categories includes a sensitive information category indicating that the portion of the web content that presents a security risk.

11. (Original) The method of claim 7, wherein to ensure that the web content from two different categories is not accessed by the first browser instance of a web browser comprises

executing a tracer to determine whether or not a requested network object is allowed to be accessed by the first browser instance.

12. (Original) The method of claim 7, wherein the enforcer is further configured to prevent a browser instance from communicating with a source that does not raise a conflict of interest.

13. (Currently amended) A non-transitory computer readable medium encoded with instructions for allowing different categories of content to be displayed in different independent browser instances, the instructions, executable by a processor, comprising:

receiving information about the different categories of content to be displayed in different independent browser instances, <u>at least one of the different categories of content being associated with sensitive information defining a security risk</u>;

verifying that web content web content satisfying two different categorizations is not accessed by a first browser is not accessed by a first browser instance of a web browser; and

generating a second browser instance of the web browser to access a portion of the web content that satisfies one category of the at least two different categories.

14. (Original) The non-transitory computer readable medium of claim 13, wherein the second instance is launched automatically to a client device for display.

15. (Original) The non-transitory computer readable medium of claim 13, wherein to ensure that the web content satisfying two different categorizations is not accessed by a first browser instance of a web browser comprises executing an API call to intercept a system call corresponding to the web browser.

16. (Original) The non-transitory computer readable medium of claim 13, wherein to ensure that the web content from two different categories is not accessed by the first browser instance of a web browser comprises

executing a tracer to determine whether or not a requested network object is allowed to be accessed by the first browser instance.

17. (Original) The non-transitory computer readable medium of claim 13, wherein the enforcer is further configured to prevent a browser instance from communicating with a source that does not raise a conflict of interest.

18. (Original) The non-transitory computer readable medium of claim 13, wherein the at least two different categories includes a sensitive information category indicating that the portion of the web content that presents a security risk.

19. (Previously presented) The system of claim 3, further comprising:

wherein the processor is operable to pause execution of the first browser instance upon interception of the system call; and

wherein the API controls system calls made by other programs and browser instances.

REMARKS

This paper responds to the Examiner's Final Office Action mailed on May 19, 2017. Reconsideration and continued examination in view of the foregoing response is respectfully requested.

Status of Claims

Claims 1-19 were previously pending in the instant application. By the present document, claims 1–19 remain pending, with claims 1, 7, and 13 being independent. Claims 1, 4, 7, and 13 have been amended. No new subject matter has been added.

After Final Consideration Pilot 2.0

The After Final Consideration pilot 2.0 program (the "Program") requires an outstanding final office action (the instant Final Office Action), a transmittal form (submitted herewith), and the payment of any outstanding/necessary fees (none of which are believed to be due). The Program further requires a response under 37 CFR 1.116 including an amendment to at least one independent claim that does not broaden the scope of the independent claim in any aspect; and requires that the Applicant provide a statement that the Applicant is willing and available to participate in any interview initiated by the Examiner concerning the accompanying response.

By the present response, Applicants have amended independent claims 1, 7, and 13 to include features that do not broaden the scope of the independent claims in any aspect.

Statement: Applicants hereby state that they are willing and available to participate in any interview initiated by the Examiner concerning the accompanying response.

Accordingly, Applicants respectfully submit the requirements for submitting the instant response under 37 CFR 1.116 have been met and entry of the response, consideration, and allowance is respectfully requested.

103 Rejections (Shepherd, Isherwood)

The Examiner rejected claims 1-2 and 4-18 under 35 U.S.C. §103 as being obvious based on U.S. Patent No. 9,055,048 to Shepherd et al. ("Shepherd") in view of U.S. Publication No. 2015/0278311 to Isherwood et al. ("Isherwood"). Applicants respectfully traverse these rejections.

Independent claim 1 as amended recites the claim features of:

(a processor operable to)

"receive data about a first content class and a second content class, the second content class associated with web content that includes sensitive information presenting a security risk and defining a plurality of second class Uniform Resource Locaters (URLs) identified by a user;

generate a first browser instance associated with the first content class;

intercept a request to access content from the first browser instance, the request defining a Uniform Resource Locator (URL) associated with the second content class;

confirm that the URL is not associated with the first content class or another already-running browser instance associated with the second class; and

generate a second browser instance associated with the second content class to provide access to aspects of the URL."

The amendments are supported by at least paragraphs [0035]-[0070] of the specification. Independent claims 7 and 13 as amended recite the same or similar features.

The Shepard reference does not teach or suggest at least the features of a first content class and a second content class as previously recited and further defined within claim 1 as amended, as acknowledge by the Office Action.[1]

[1] See page 3 of the Office Action.

The Office Action introduces the Isherwood reference to allegedly disclose features of the claims missing from Shepherd. However, Isherwood also fails to disclose the features of independent claim 1.[2] Content classes in Isherwood are based on search consideration and adding structure to non-structured or loosely structured content in the context of data storage technologies and not in the context of web content access as described in the subject application. In particular, Isherwood's content classes have no relation to web origin, such as URLs. In contrast, as clarified in the claims as amended, content classes of the subject application are based on security considerations to separate content that cannot be trusted from sensitive content to e.g. reduce the spread of malware. Respectfully, the Shepherd and Isherwood references do not disclose the features of the claims especially in their amended form.

In view of the foregoing, the Shepard and Isherwood references fail to disclose alone or in combination all of the features of independent claims 1, 7, and 13. As such, withdrawal of the rejections and indication as to allowance of these independent claims is respectfully requested. In addition, allowance as to the dependent claims 2, 4-6, and 14-18 is further requested by virtue of their respective dependencies from independent claims 1, 7, and 13.

103 Rejections (Shepherd, Isherwood, Golan)

The Examiner rejected claims 3 and 19 under 35 U.S.C. §103 as being obvious over Shepherd, in view of Isherwood and further in view of U.S. Publication No. 2015/0278311 to Isherwood et al. ("Isherwood"). Applicants respectfully traverse these rejections.

As discussed herein, the claim features of a processor operable to: "receive data about a first content class and a second content class, the second content class associated with web content that includes sensitive information presenting a security risk and defining a plurality of second class Uniform Resource Locaters (URLs)

[2] "To carry its burden, the Office must show that the asserted combination of Quick and Grosser teaches or suggests *each and every claim feature*. *See MPEP* § 2143.03; *In re Royka*, 490 F.2d 981, 180 USPQ 580 (CCPA 1974) (emphasis added) (to establish *prima facie* obviousness of a claimed invention, the Office must show that all the claim features must be taught or suggested by the prior art)."

identified by a user; generate a first browser instance associated with the first content class; intercept a request to access content from the first browser instance, the request defining a Uniform Resource Locator (URL) associated with the second content class; confirm that the URL is not associated with the first content class or another already-running browser instance associated with the second class; and generate a second browser instance associated with the second content class to provide access to aspects of the URL" as recited in independent claim 1, are believed to be absent from the Shepherd and Isherwood references therefore placing claim 1 in condition for allowance. Claims 3 and 19 depend from independent claim 1.

Therefore, the Applicants respectfully request withdrawal of the rejections and allowance of claims 3 and 19 by virtue of their respective dependencies from an allowable base claim.

CONCLUSION

By the present response, the Applicants respectfully submit that the claims are in a condition for allowance, and notification to that effect is earnestly requested. The Examiner is invited to telephone Applicants' representative at (602) 650-2061 to facilitate prosecution of this application. If necessary, please charge any additional fees or credit overpayment to Deposit Account No. 50-1662.

Respectfully submitted,

POLSINELLI PC

Date: August 21, 2017

By: /Ari M. Bai/

Ari M. Bai, Reg. No.: 38,726
One E. Washington Street, Suite 1200
Phoenix, AZ 85004
Direct Phone: (602) 650-2061
E-Mail: uspto@polsinelli.com
Attorney for Applicants

PTO/SB/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 14/563,712	Filing Date 12/08/2014	☐ To be Mailed

ENTITY: ☐ LARGE ☐ SMALL ☒ MICRO

APPLICATION AS FILED – PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	

APPLICATION AS AMENDED – PART II

AMENDMENT	08/21/2017	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 19	Minus	** 20	=	X $ =	
	Independent (37 CFR 1.16(h))	* 3	Minus	***3	=	X $ =	
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
						TOTAL ADD'L FEE	

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

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

LIE
ELMIRA Y. HALL

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**
If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/563,712	12/08/2014	RIDA A. BAZZI	055743-483778	7752

27148 7590 09/12/2017

POLSINELLI PC
900 WEST 48TH PLACE
SUITE 900
KANSAS CITY, MO 64112-1895

EXAMINER	
NAOREEN, NAZIA	

ART UNIT	PAPER NUMBER
2458	

NOTIFICATION DATE	DELIVERY MODE
09/12/2017	ELECTRONIC

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

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

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

uspt@polsinelli.com

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Examiner-Initiated Interview Summary	Application No.	Applicant(s)		
	14/563,712	BAZZI ET AL.		
	Examiner	Art Unit	AIA (First Inventor to File) Status	Page
	NAZIA NAOREEN	2458	Yes	1 of 1

All participants (applicant, applicant's representative, PTO personnel):

1. NAZIA NAOREEN (Examiner); Telephonic
2. TIMOTHY FONTES (Attorney); Telephonic

Date of Interview: 06 September 2017

Claim(s) discussed: Independent claim 1

Identification of prior art discussed: Shephard (US 9055048) and Isherwood (US 20150278311).

Amendment Proposed: Applicant amended claim 1 to overcome the current rejection.

Brief Description of main topic of discussion: Examiner wanted to discuss the amendments presented in the advisory action.

Issues Discussed:

Item(s) under 35 U.S.C. 103:
Examiner discussed how the the 103 rejection would be applied to the amended independent claim 1. An agreement was reached to provide the arguments in the response to the advisory action to clearly assess how the prior art will be applied to the newly added limitations.

/NAZIA NAOREEN/ Examiner, Art Unit 2458	/KEVIN BATES/ Supervisory Patent Examiner, Art Unit 2458

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

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

Applicant is reminded that a complete written statement as to the substance of the interview must be made of record in the application file. It is the applicant's responsibility to provide the written statement, unless the interview was initiated by the Examiner and the Examiner has indicated that a written summary will be provided. See MPEP 713.04

Please further see:

MPEP 713.04
Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews, paragraph (b)
37 CFR § 1.2 Business to be transacted in writing

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Advisory Action Before the Filing of an Appeal Brief	**Application No.** 14/563,712	**Applicant(s)** BAZZI ET AL.	
	Examiner NAZIA NAOREEN	**Art Unit** 2458	**AIA (First Inventor to File) Status** Yes

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

THE REPLY FILED 21 August 2017 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

NO NOTICE OF APPEAL FILED

1. ☒ The reply was filed after a final rejection. No Notice of Appeal has been filed. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance;

(2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114 if this is a utility or plant application. Note that RCEs are not permitted in design applications. The reply must be filed within one of the following time periods:

a) ☒ The period for reply expires 3 months from the mailing date of the final rejection.

b) ☐ The period for reply expires on: (1) the mailing date of this Advisory Action; or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.

c) ☐ A prior Advisory Action was mailed more than 3 months after the mailing date of the final rejection in response to a first after-final reply filed within 2 months of the mailing date of the final rejection. The current period for reply expires months from the mailing date of *the prior Advisory Action* or SIX MONTHS from the mailing date of the final rejection, whichever is earlier.

Examiner Note: If box 1 is checked, check either box (a), (b) or (c). ONLY CHECK BOX (b) WHEN THIS ADVISORY ACTION IS THE FIRST RESPONSE TO APPLICANT'S FIRST AFTER-FINAL REPLY WHICH WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. ONLY CHECK BOX (c) IN THE LIMITED SITUATION SET FORTH UNDER BOX (c). See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) or (c) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

NOTICE OF APPEAL

2. ☐ The Notice of Appeal was filed on _____. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).

AMENDMENTS

3. ☒ The proposed amendments filed after a final rejection, but prior to the date of filing a brief, will not be entered because

a) ☐ They raise new issues that would require further consideration and/or search (see NOTE below);

b) ☐ They raise the issue of new matter (see NOTE below);

c) ☒ They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or

d) ☐ They present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: *See Continuation Sheet*. (See 37 CFR 1.116 and 41.33(a)).

4. ☐ The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).

5. ☐ Applicant's reply has overcome the following rejection(s): _____.

6. ☐ Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).

7. ☒ For purposes of appeal, the proposed amendment(s): (a) ☒ will not be entered, or (b) ☐ will be entered, and an explanation of how the new or amended claims would be rejected is provided below or appended.

AFFIDAVIT OR OTHER EVIDENCE

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

9. ☐ The affidavit or other evidence filed after final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).

10. ☐ The affidavit or other evidence filed after the date of filing the Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing of good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).

11. ☐ The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

REQUEST FOR RECONSIDERATION/OTHER

12. ☐ The request for reconsideration has been considered but does NOT place the application in condition for allowance because:

_____.

13. ☐ Note the attached Information *Disclosure Statement*(s). (PTO/SB/08) Paper No(s). _____

14. ☒ Other: See attached PTO-2323 and attached Interview Summary.

STATUS OF CLAIMS

15. The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: .
Claim(s) objected to: .
Claim(s) rejected: 1-19.
Claim(s) withdrawn from consideration: .

/KEVIN BATES/ Supervisory Patent Examiner, Art Unit 2458	/NAZIA NAOREEN/ Examiner, Art Unit 2458

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Regarding indpendent claim 1, Applicant argues that the combination of Shepherd and Isherwood does not disclose “receive data about a first content class and a second content class, the second content class associated with web content that includes sensitive information presenting a security risk and defining a plurality of second class Uniform Resource Locators (URLs) identified by a user”. Examiner responds that Shepherd discloses receiving browser data in response to a request (See Abstract and Col. 8, Lines 3 - 27). Isherwood discloses content classes containing user-definable annotations (See Paragraphs 70 and 76) that provide the ability to implement security (See Paragraph 72) to URL’s which directs the object storage web server to perform the specified operation based on the annotation (See Paragraph 79). Therefore, the combination discloses the the claimed limitation.

Applicant also argues that the combination of Shepherd and Isherwood does not disclose “confirm that the URL is not associated with the first content class or another already-running browser instance associated with the second class”. Examiner responds that Shepherd discloses “a method of authentication to confirm that a secure browser is truly running within the user's' environment. This can be effectively accomplished by the secure browser authenticating itself in the HTTP headers or other information it sends to the web server” (See Col. 7, Lines 47 - 61). Isherwood discloses a URL being associated with a content class based on annotations (See Paragraphs 79, 118 - 119, and 136). Therefore the combination discloses the claimed limitation.

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Examiner-Initiated Interview Summary	Application No.	Applicant(s)		
	14/563,712	BAZZI ET AL.		
	Examiner	Art Unit	AIA (First Inventor to File) Status	Page
	NAZIA NAOREEN	2458	Yes	1 of 1

All participants (applicant, applicant's representative, PTO personnel):

1. NAZIA NAOREEN (Examiner); Telephonic
2. TIMOTHY FONTES (Attorney); Telephonic

Date of Interview: 06 September 2017

Claim(s) discussed: Independent claim 1

Identification of prior art discussed: Shephard (US 9055048) and Isherwood (US 20150278311).

Amendment Proposed: Applicant amended claim 1 to overcome the current rejection.

Brief Description of main topic of discussion: Examiner wanted to discuss the amendments presented in the advisory action.

Issues Discussed:

Item(s) under 35 U.S.C. 103:
Examiner discussed how the the 103 rejection would be applied to the amended independent claim 1. An agreement was reached to provide the arguments in the response to the advisory action to clearly assess how the prior art will be applied to the newly added limitations.

/NAZIA NAOREEN/ Examiner, Art Unit 2458	/KEVIN BATES/ Supervisory Patent Examiner, Art Unit 2458

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Applicant is reminded that a complete written statement as to the substance of the interview must be made of record in the application file. It is the applicant's responsibility to provide the written statement, unless the interview was initiated by the Examiner and the Examiner has indicated that a written summary will be provided. See MPEP 713.04

Please further see:

MPEP 713.04
Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews, paragraph (b)
37 CFR § 1.2 Business to be transacted in writing

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	Rida A. Bazzi	Examiner:	Nazia Naoreen
Serial No.:	14/563,712	Group Art Unit:	2458
Filed:	December 8, 2014	Confirmation No.:	7752

For: SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT

RESPONSE UNDER 37 C.F.R. §1.116

(After Final Consideration Pilot 2.0)

TO THE COMMISSIONER FOR PATENTS

Dear Commissioner:

This paper is responsive to the final Office Action mailed on May 19, 2017. Please enter the following amendments and consider the remarks below in accordance with the Rules of Practice. No fees are believed to be due in connection with the filing of this paper; however, should any fees be deemed necessary, the commissioner is hereby authorized to deduct any such fees from **Deposit Account No. 50-1662** referencing the above docket number.

Amendments to the claims are reflected in the listing that begins at page 2 of this paper.

Remarks begin at page 6 of this paper.

AFCP 2.0 Decision	Application No.	Applicant(s)
	14/563,712	BAZZI ET AL.
	Examiner	Art Unit
	NAZIA NAOREEN	2458

This is in response to the After Final Consideration Pilot request filed 08/21/2017.

1. **Improper Request** – The AFCP 2.0 request is improper for the following reason(s) and the after final amendment submitted with the request will be treated under pre-pilot procedure.

   ☐ An AFCP 2.0 request form PTO/SB/434 (or equivalent document) was not submitted.

   ☐ A non-broadening amendment to at least one independent claim was not submitted.

   ☐ A proper AFCP 2.0 request was submitted in response to the most recent final rejection.

   ☐ Other:

2. **Proper Request**

   A. After final amendment submitted with the request will not be treated under AFCP 2.0.
   The after final amendment cannot be reviewed and a search conducted within the guidelines of the pilot program.

   ☐ The after final amendment will be treated under pre-pilot procedure.

   B. Updated search and/or completed additional consideration.
   The examiner performed an updated search and/or completed additional consideration of the after final amendment within the time authorized for the pilot program. The result(s) of the updated search and/or completed additional consideration are:

   ☐ 1. All of the rejections in the most recent final Office action are overcome and a Notice of Allowance is issued herewith.

   ☐ 2. The after final amendment would not overcome all of the rejections in the most recent final Office action. See attached interview summary for further details.

   ☐ 3. The after final amendment was reviewed, and it raises a new issue(s). See attached interview summary for further details.

   ☒ 4. The after final amendment raises new issues, but would overcome all of the rejections in the most recent final Office action. A decision on determining allowability could not be made within the guidelines of the pilot. See attached interview summary for further details, including any newly discovered prior art.

   ☐ 5. Other:

   Examiner Note: Please attach an interview summary when necessary as described above.

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UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/563,712	12/08/2014	RIDA A. BAZZI	055743-483778	7752

27148 7590 10/25/2017

POLSINELLI PC
900 WEST 48TH PLACE
SUITE 900
KANSAS CITY, MO 64112-1895

EXAMINER	
NAOREEN, NAZIA	

ART UNIT	PAPER NUMBER
2458	

NOTIFICATION DATE	DELIVERY MODE
10/25/2017	ELECTRONIC

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

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

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

uspt@polsinelli.com

IPR2025-01400
CrowdStrike EX1002 Page 264

Applicant-Initiated Interview Summary	Application No.	Applicant(s)		
	14/563,712	BAZZI ET AL.		
	Examiner	Art Unit	AIA (First Inventor to File) Status	Page
	NAZIA NAOREEN	2458	Yes	1 of 1

All participants (applicant, applicant's representative, PTO personnel):

1. NAZIA NAOREEN (Examiner); Telephonic
2. TIMOTHY FONTES (Attorney); Telephonic

Date of Interview: 18 October 2017

Claim(s) discussed: Claims 1, 3, and 4

Identification of prior art discussed: Shephard (US 9055048) and Isherwood (US 20150278311)

Amendment Proposed: Applicant proposed ideas to further clarify claim limitations.

Brief Description of main topic of discussion: Applicant wanted to discuss prior art and potential claim amendments.

Issues Discussed:

Item(s) under 35 U.S.C. 103:
Applicant discussed how the prior art applies to the claim language and ideas on how to amend the claims to further prosecution. Examiner suggested ideas on how to clarify the claim language.

/NAZIA NAOREEN/ Examiner, Art Unit 2458	/KEVIN BATES/ Supervisory Patent Examiner, Art Unit 2458

Applicant recordation instructions: The formal written reply to the last Office action must include the substance of the interview. (See MPEP section 713.04). If a reply to the last Office action has already been filed, applicant is given a non-extendable time limit of the longer of one month or thirty days from this interview date, or the mailing date of this interview summary form, whichever is later, to file a statement of the substance of the interview.

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

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Please further see:

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Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews, paragraph (b)
37 CFR § 1.2 Business to be transacted in writing

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PTO/SB/30 (07-14)
Approved for use through 07/31/2016 OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Request for Continued Examination (RCE) Transmittal

Address to:
Mail Stop RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Application Number	14/563,712
Filing Date	December 8, 2014
First Named Inventor	Rida A. Bazzi
Art Unit	2458
Examiner Name	Nazia Naoreen
Attorney Docket Number	055743-483778

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.
Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, to any international application that does not compy with the requirements of 35 U.S.C 371, or to any design application. See Instruction Sheet for RCEs (not to be submitted to the USPTO on page 2.)

1. Submission required under 37 CFR 1.114 Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

   a. ☐ Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.

      i. ☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____

      ii. ☐ Other _____

   b. ☑ Enclosed

      i. ☑ Amendment/Reply

      ii. ☐ Affidavit(s)/ Declaration(s)

      iii. ☐ Information Disclosure Statement (IDS)

      iv. ☐ Other _____

2. Miscellaneous

   a. ☐ Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of _____ months. (Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)

   b. ☐ Other _____

3. Fees The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.

   a. ☑ The Director is hereby authorized to charge the following fees, any underpayment of fees, or credit any overpayments, to Deposit Account No. 50-1662.

      i. ☑ RCE fee required under 37 CFR 1.17(e)

      ii. ☑ Extension of time fee (37 CFR 1.136 and 1.17)

      iii. ☐ Other _____

   b. ☐ Check in the amount of $ _____ enclosed

   c. ☐ Payment by credit card (Form PTO-2038 enclosed)

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

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

Signature	/Ari M. Bai/	Date	November 13, 2017
Name (Print/Type)	Ari M. Bai	Registration No.	38726

CERTIFICATE OF MAILING OR TRANSMISSION

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop RCE, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 or facsimile transmitted to the U.S. Patent and Trademark Office on the date shown below.

Signature			
Name (Print/Type)		Date	

This collection of information is required by 37 CFR 1.114. 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: Mail Stop RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

Electronic Patent Application Fee Transmittal

Application Number:	14563712
Filing Date:	08-Dec-2014
Title of Invention:	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT
First Named Inventor/Applicant Name:	RIDA A. BAZZI
Filer:	Ari M. Bai/Helen Miswell
Attorney Docket Number:	055743-483778

Filed as Micro Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension - 3 months with $0 paid	3253	1	350	350
Miscellaneous:				
RCE- 1st Request	3801	1	300	300
		Total in USD ($)		**650**

Electronic Acknowledgement Receipt	
EFS ID:	30935309
Application Number:	14563712
International Application Number:	
Confirmation Number:	7752
Title of Invention:	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT
First Named Inventor/Applicant Name:	RIDA A. BAZZI
Customer Number:	27148
Filer:	Ari M. Bai/Helen Miswell
Filer Authorized By:	Ari M. Bai
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Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		14-563712_ResponsetoFinalOA.pdf	62583 b3709dafbd4c6dea07fa6c6c7a4383badec783dd	yes	12
	Multipart Description/PDF files in .zip description				
	Document Description		**Start**	**End**	
	Transmittal Letter		1	1	
	Claims		2	7	
	Applicant Arguments/Remarks Made in an Amendment		8	12	
Warnings:					
Information:					
2	Request for Continued Examination (RCE)	14-563712_RCE1.pdf	60585 4cfcf87f0f5288dc714c5abe05ce1537a0cafd58	no	1
Warnings:					
This is not a USPTO supplied RCE SB30 form.					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	32439 71e0efd7c7aa877e5b1e0a30dd245d917118bbd4	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	155607		

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

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

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New International Application Filed with the USPTO as a Receiving Office

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	Rida A. Bazzi	Examiner:	Nazia Naoreen
Serial No.:	14/563,712	Group Art Unit:	2458
Filed:	December 8, 2014	Confirmation No.:	7752

For: SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT

RESPONSE UNDER 37 C.F.R. §1.114
(RCE)

TO THE COMMISSIONER FOR PATENTS

Dear Commissioner:

In response to the Examiner's Final Office Action dated May 19, 2017 ("Office Action"), please consider the remarks below in accordance with the Rules of Practice. Applicants are filing a Request for Continued Examination (RCE) under 37 C.F.R. §1.114 including the official fee under 37 C.F.R. § 1.17(e)(1) of $300 to have the claim amendments and remarks considered by the Examiner. In addition, a 3-month extension including the requisite fee of $350 is submitted herewith to extend the date of the response to the Office Action to November 19, 2017.

No further fees are believed to be due in connection with the filing of this paper; however, should any fees be deemed necessary, the commissioner is hereby authorized to deduct any such fees from **Deposit Account No. 50-1662** referencing the above docket number.

Amendments to the claims are reflected in the listing that begins at page 2 of this paper.

Remarks begin at page 8 of this paper.

CLAIM AMENDMENTS

Please amend the claims as follows:

1. (Currently amended) A system, comprising:

a processor, operable to:

receive data defining ~~about~~ a first web content class and a second web content class, the first web content class defining a first plurality of Uniform Resource Locators (URLs), and the second web content class defining a second plurality of URLs different than the first plurality of URLs, the second web content class further being associated with sensitive information presenting a security risk;

generate a first browser instance, the first browser instance defining a browser instance type predetermined to be associated with the first web content class;

intercept a request to access web content from the first browser instance, the request defining a URL of the second plurality of URLs such that the web content is associated with the second web content class;

confirm that the URL is not being accessed by an already-running browser instance associated with the second web content class; and

generate a second browser instance associated with the second web content class to provide access to the URL of the second plurality of URLs via the second browser instance.

2. (Currently amended) The system of claim 1, wherein the second browser instance is launched automatically for display, and the web content ~~associated with the second content class~~ is associated with a web server.

3. (Currently amended) The system of claim 2, wherein the processor is operable to execute an API call configured to intercept a system call to the web server, the system call to the web server intended to provide access of the URL to the first browser instance.

4. (Canceled)

5. (Currently amended) The system of claim 1, wherein the processor is operable to implement ~~ensure that web content from two different categories is not accessed by the first browser instance using~~ a tracer to determine whether or not a requested network object is allowed to be accessed by the first browser instance.

6. (Currently amended) The system of claim 1, wherein the processor executes a daemon outside the first browser instance and the second browser instance that tracks active browser instances and launches new browser instances in order to manage web access according to the data defining the first web content class and the second web content class.

7. (Currently amended) A method for facilitating ~~allowing~~ different categories of content to be displayed in different independent browser instances, the method comprising:

utilizing a processor in communication with a non-transitory tangible storage medium storing instructions that are executed by the processor to perform operations comprising:

accessing data defining rules for delegating web access associated with a first content class to a first browser type and delegating web access associated with a second content class to a second browser type;

~~receiving information about the different categories of content to be displayed in different independent browser instances from a user;~~

identifying a request to access an IP address by a first browser instance, the first browser instance being of the first browser type;

determining that the IP address is associated with the second content class such that the IP address should not be accessed by the first browser instance; and

~~verifying, using at least one computing device, that web content satisfying two different categorizations is not accessed by a first browser is not accessed by a first browser instance of a web browser; and~~

generating~~, using the at least one computing device,~~ a second browser instance ~~of the web browser~~ to access the IP address, the second browser instance being of the second browser type ~~a portion of the web content that satisfies one category of the at least two different categories~~.

8. (Currently amended) The method of claim 7, wherein the second browser instance is launched automatically to a client device for display.

9. (Currently amended) The method of claim 7, further comprising: ~~wherein to ensure that the web content satisfying two different categorizations is not accessed by a first browser instance of a web browser comprises~~

executing an API call configured to intercept a system call to a web server associated with the IP address, the system call initiated by the first browser instance ~~corresponding to the web browser~~.

10. (Canceled)

11. (Currently amended) The method of claim 7, further comprising: ~~wherein to ensure that the web content from two different categories is not accessed by the first browser instance of a web browser comprises~~

executing a tracer to determine whether or not a requested network object is allowed to be accessed by the first browser instance.

12. (Canceled)

13. (Currently amended) A non-transitory computer readable medium encoded with a set of instructions for facilitating ~~allowing~~ different categories of content to be displayed in different independent browser instances, the set of instructions, executable by a processor, comprising:

accessing data associating a first web content class with a first browser type and a second web content class with a second browser type ~~receiving information about the different categories of content to be displayed in different independent browser instances~~;

accessing a request to access web content via a first browser instance, the first browser instance being of the first browser type; and

comparing the web content to the first web content class and the second web content class to determine whether the web content is accessible to the first browser instance

~~verifying that web content web content satisfying two different categorizations is not accessed by a first browser is not accessed by a first browser instance of a web browser; and~~

~~generating a second browser instance of the web browser to access a portion of the web content that satisfies one category of the at least two different categories~~.

14. (Currently amended) The non-transitory computer readable medium of claim 13, further comprising:

generating a second browser instance to access the web content,

wherein the second browser instance is launched automatically to a client device for display.

15. (Currently amended) The non-transitory computer readable medium of claim 13, further comprising: ~~wherein to ensure that the web content satisfying two different categorizations is not accessed by a first browser instance of a web browser comprises~~

executing an API call configured to intercept a system call to a web server, the system call associated with the first browser instance ~~corresponding to the web browser~~.

16. (Currently amended) The non-transitory computer readable medium of claim 13, further comprising: ~~wherein to ensure that the web content from two different categories is not accessed by the first browser instance of a web browser comprises~~

executing a tracer to determine whether or not the first browser instance is authorized to access a requested network ~~object is allowed to be accessed by the first browser instance~~.

17. (Canceled)

18. (Currently amended) The non-transitory computer readable medium of claim 13, wherein the second web content class is associated with ~~at least two different categories includes a~~ sensitive information ~~category~~ indicating that accessing ~~the portion of~~ the web content by the first browser instance ~~that~~ presents a security risk.

19. (Currently amended) The system of claim 3, further comprising:

wherein the processor is operable to pause operations associated with ~~execution of~~ the first browser instance upon interception of the system call; and

wherein the API controls system calls made by other programs and other browser instances.

20. (New) The method of claim 7, further comprising:

generating a domain name system (DNS) query to resolve the IP address;

determining that the IP address is associated with the second content class; and

issuing a DNS response, the IP address being rewritten in the DNS response to prevent the first browser instance from accessing the IP address and information of the second content class; and

returning the IP address as rewritten to the first browser instance.

21. (New) The non-transitory computer readable medium of claim 13, wherein the first web content class is associated with a first plurality of URLs and the second web content class is associated with a second plurality of URLs, the first plurality of URLs being different from the second plurality of URLs.

22. (New) The non-transitory computer readable medium of claim 13, wherein the data further defines rules limiting web access by the first browser instance to URLs defined by the first web content class.

REMARKS

This paper responds to the Examiner's Final Office Action mailed on May 19, 2017. Reconsideration and continued examination in view of the foregoing response is respectfully requested.

Status of Claims

Claims 1-19 were previously pending in the instant application. By the present document, claims 1–3, 5–9, 11, 13–16, and 18–22 are now pending, with claims 1, 7, and 13 being independent. Claims 4, 10, 12, and 17 have been cancelled. Claims 1–3, 5–9, 11, 13–16, 18, and 19 have been amended. Claims 20–22 have been added. No new subject matter has been added.

After Final Consideration Pilot Response

On August 21, 2017, the Applicants filed a response under the AFP program setting forth certain clarifying amendments to the claims. An advisory action was subsequently issued by the Examiner on September 12, 2017 advising that the Examiner would not be able to allow the claims in their current form.

The Applicants thank the Examiner for the helpful communications with counsel for the Applicants during the AFP process and thereafter. During such discussions, the counsel for the Applicants and the Examiner discussed providing some additional clarity within the claims to the concept of the classes of content. The filing of the RCE herewith is intended to provide some additional clarifying amendments to the claims consistent with the aforementioned discussions with the Examiner. New claims have also been added in an attempt to further advance prosecution.

103 Rejections (Shepherd, Isherwood)

The Examiner rejected claims 1-2 and 4-18 under 35 U.S.C. §103 as being obvious based on U.S. Patent No. 9,055,048 to Shepherd et al. ("Shepherd") in view of U.S. Publication No. 2015/0278311 to Isherwood et al. ("Isherwood"). Applicants respectfully traverse these rejections.

Independent claim 1 as amended recites the claim features of:

(a processor operable to)

"receive data defining a first web content class and a second web content class, the first web content class defining a first plurality of Uniform Resource Locators (URLs), and the second web content class defining a second plurality of URLs different than the first plurality of URLs, the second web content class further being associated with sensitive information presenting a security risk;

generate a first browser instance, the first browser instance defining a browser instance type predetermined to be associated with the first web content class;

intercept a request to access web content from the first browser instance, the request defining a URL of the second plurality of URLs such that the web content is associated with the second web content class;

confirm that the URL is not being accessed by an already-running browser instance associated with the second web content class; and

generate a second browser instance associated with the second web content class to provide access to the URL via the second browser instance."

The amendments are supported by at least paragraphs [0035]-[0070] of the specification. Independent claims 7 and 13 as amended recite similar features in varying degrees of scope.

The Shepard reference does not teach or suggest at least the features of a first web content class and a second web content class as previously recited and further defined within claim 1 as amended, as acknowledge by the Office Action.[1]

[1] See page 3 of the Office Action.

The Office Action introduces the Isherwood reference to allegedly disclose features of the claims missing from Shepherd. However, Isherwood also fails to disclose the features of independent claim 1.[2] Content classes in Isherwood are based on search consideration and adding structure to non-structured or loosely structured content in the context of data storage technologies and not in the context of web content access as described in the subject application. In particular, Isherwood's content classes have no relation to web origin, such as URLs. The Examiner is kindly directed to paragraph [007] of Isherwood, which clearly shows that the term "URL" is defined in the reference in the context of object storage and not web content as described in the subject application.

In contrast, as clarified in the claims as amended, content classes of the subject application are based on security considerations associated with web content in order to restrict or limit web access to sensitive content within certain web browser instances. Web content classes as recited deal with web content and not storage as described in Isherwood. Respectfully, the Shepherd and Isherwood references do not disclose the features of the claims especially when taking into consideration the various amendments to the claims.

In view of the foregoing, the Shepard and Isherwood references fail to disclose alone or in combination all of the features of independent claims 1, 7, and 13. As such, withdrawal of the rejections and indication as to allowance of these independent claims is respectfully requested. In addition, allowance as to the dependent claims 2, 4-6, and 14-18 is further requested by virtue of their respective dependencies from independent claims 1, 7, and 13.

103 Rejections (Shepherd, Isherwood, Golan)

The Examiner rejected claims 3 and 19 under 35 U.S.C. §103 as being obvious over Shepherd, in view of Isherwood and further in view of U.S. Publication No.

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[2] "To carry its burden, the Office must show that the asserted combination of Quick and Grosser teaches or suggests *each and every claim feature*. *See MPEP* § 2143.03; *In re Royka*, 490 F.2d 981, 180 USPQ 580 (CCPA 1974) (emphasis added) (to establish *prima facie* obviousness of a claimed invention, the Office must show that all the claim features must be taught or suggested by the prior art)."

2015/0278311 to Isherwood et al. ("Isherwood"). Applicants respectfully traverse these rejections.

As discussed herein, the claim features of a processor operable to: "receive data defining a first web content class and a second web content class, the first web content class defining a first plurality of Uniform Resource Locators (URLs), and the second web content class defining a second plurality of URLs different than the first plurality of URLs, the second web content class further being associated with sensitive information presenting a security risk;" and other features as recited in independent claim 1, are believed to be absent from the Shepherd and Isherwood references therefore placing claim 1 in condition for allowance. Claims 3 and 19 depend from independent claim 1.

Accordingly, the Applicants respectfully request withdrawal of the rejections and allowance of claims 3 and 19 by virtue of their respective dependencies from an allowable base claim.

CONCLUSION

By the present response, the Applicants respectfully submit that the claims are in a condition for allowance, and notification to that effect is earnestly requested. The Examiner is invited to telephone Applicants' representative at (602) 650-2061 to facilitate prosecution of this application. If necessary, please charge any additional fees or credit overpayment to Deposit Account No. 50-1662.

Respectfully submitted,

POLSINELLI PC

Date: November 13, 2017

By: /Ari M. Bai/

Ari M. Bai, Reg. No.: 38,726
One E. Washington Street, Suite 1200
Phoenix, AZ 85004
Direct Phone: (602) 650-2061
E-Mail: uspto@polsinelli.com
Attorney for Applicants

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POLSINELLI PC
900 WEST 48TH PLACE
SUITE 900
KANSAS CITY, MO 64112-1895

EXAMINER	
NAOREEN, NAZIA	

ART UNIT	PAPER NUMBER
2458	

NOTIFICATION DATE	DELIVERY MODE
03/08/2018	ELECTRONIC

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

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

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

uspt@polsinelli.com

IPR2025-01400
CrowdStrike EX1002 Page 284

Office Action Summary	Application No. 14/563,712	Applicant(s) BAZZI ET AL.	
	Examiner NAZIA NAOREEN	Art Unit 2458	AIA (First Inventor to File) Status Yes

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

Period for Reply

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

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

Status

1)☒ Responsive to communication(s) filed on *11/13/2017*.

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

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

3)☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

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

Disposition of Claims*

5)☒ Claim(s) *1 – 3, 5 – 9, 11, 13 – 16, and 18 – 22* is/are pending in the application.

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

6)☐ Claim(s) _____ is/are allowed.

7)☒ Claim(s) *1 – 3, 5 – 9, 11, 13 – 16, and 18 – 22* is/are rejected.

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

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

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

Application Papers

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

11)☒ The drawing(s) filed on *04/13/2015* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

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

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

Priority under 35 U.S.C. § 119

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

Certified copies:

a)☐ All b)☐ Some** c)☐ None of the:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

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

Attachment(s)

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

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

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

4) ☐ Other: _____.

IPR2025-01400
CrowdStrike EX1002 Page 285

DETAILED ACTION

Status of Claims:

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

2. Claims 1 – 3, 5 – 9, 11, 13 – 16, and 18 – 22 are pending.

3. Claims 1 – 3, 5 – 9, 11, 13 – 16, and 18 – 19 are amended.

4. Claims 4, 10, 12, and 17 are cancelled.

5. Claims 20 – 22 are new.

Response to Arguments

6. Applicant's arguments in the amendment filed 11/13/2017 have been fully considered and are persuasive. A new grounds of rejection is presented based on the amendments.

Amendments:

Claim Rejections - 35 USC § 102

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

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

8. Claims 1 – 3, 5 – 9, 11, 13 – 16, and 18 – 22 are rejected under 35 U.S.C. 102(a)(1) as being anticipated by Loesch (US 8095967).

As per claim 1, a system, comprising: a processor, operable to:

receive data defining about a first web content class and a second web content class, the first web content class defining a first plurality of Uniform Resource Locators (URLs) **(The agent program**

checks to see if the web site URL entered by user into the web browser matches any of the web site URL's in the web site database, See Col. 4, Lines 14 - 46 and Col. 7, Lines 29 - 63), and the second web content class defining a second plurality of URLs different than the first plurality of URLs, the second web content class further being associated with sensitive information presenting a security risk **(The user web site database stores URL's and IP addresses associated with selected trusted web sites, such as the financial web sites and may contain additional information about the web sites, such as textual and/or graphic information associated with pages of the web sites, See Col. 6, Lines 40 - 52)**;

generate a first browser instance, the first browser instance defining a browser instance type predetermined to be associated with the first web content class **(If no match is detected, no further action is taken by the agent program, and web site communication is handled by the user's standard or default web browser, See Col. 4, Lines 14 - 46 and Col. 7, Lines 29 - 63)**;

intercept a request to access web content from the first browser instance, the request defining a URL of the second plurality of URLs such that the web content is associated with the second web content class **(If a match is detected, the agent program starts the private browser. The private browser contacts the web site associated with the URL and waits for the remote server to return the requested web page to the private browser. Once the remote server has returned the requested web page to the private browser, the agent program determines the IP address of the remote server, See Col. 4, Lines 14 - 46 and Col. 7, Lines 29 - 63)**;

confirm that the URL is not being accessed by an already-running browser instance associated with the second web content class **(The agent program then compares the IP address of the remote server with the IP address (or addresses) associated with the web site URL which are stored in web site database, See Col. 4, Lines 14 - 46 and Col. 7, Lines 29 - 63)**; and

generate a second browser instance associated with the second web content class to provide access to the URL of the second plurality of URLs via the second browser instance **(If the IP address of the remote server matches one of the IP addresses associated with the web site URL in the web site database, the agent program retrieves the user's credentials from the password store and**

passes them to the private browser which in turn passes them to the web site, See Col. 4, Lines 14 - 46 and Col. 7, Lines 29 - 63).

As per claim 2, the system of claim 1, wherein the second browser is launched automatically for display, and the web content is associated with a web server **(If a match occurs indicating that the entered URL is associated with a trusted site, the agent program activates the private browser, See Col. 7, Lines 29 - 63)**.

As per claim 3, the system of claim 2, wherein the processor is operable to execute an API call configured to intercept a system call to the web server, the system call to the server intended to provide access of the URL to the first browser instance **(The agent program includes a plug-in which is installed in the standard browser which is activated whenever a user enters a web site URL at step, or when a URL is invoked by clicking on a link or the like, See Col. 7, Lines 29 - 63)**.

As per claim 4, cancelled.

As per claim 5, the system of claim 1, wherein the processor is operable to implement a tracer to determine whether or not a requested network object is allowed to be accessed by the first browser instance **(When a URL has been entered, at step the agent program compares the URL entered or invoked with the URL's stored in the user web site database, See Col. 7, Lines 29 - 63)**.

As per claim 6, the system of claim 1, wherein the processor executes a daemon outside the first browser instance and the second browser instance that tracks active browser instance and launches new browser instances in order to manage web access according to the data defining the first web content class and the second web content class **(If no match occurs, the agent program (*daemon*) passes the URL entered to the standard browser, but prevents the user from sending any sign-on credentials to the web site identified by the entered URL. If a match occurs at, indicating that the**

entered URL is associated with a trusted site, the agent program activates the private browser, See Col. 7, Lines 29 - 63).

As per claim 7, a method for facilitating different categories of content to be displayed in different independent browser instances, the method comprising:

utilizing a processor in communication with a non-transitory tangible storage medium storing instructions that are executed by the processor to perform operations comprising:

accessing data defining rules for delegating web access **(The agent program checks to see if the web site URL entered by user into the web browser matches any of the web site URL's in the web site database, See Col. 4, Lines 14 - 46 and Col. 7, Lines 29 - 63)** associated with a first content class to a first browser type and delegating web access associated with a second content class to a second browser type **(If no match occurs, the agent program passes the URL entered to the standard browser, but prevents the user from sending any sign-on credentials to the web site identified by the entered URL. If a match occurs at, indicating that the entered URL is associated with a trusted site, the agent program activates the private browser, See Col. 7, Lines 29 - 63)**;

identifying a request to access an IP address by a first browser instance, the first browser instance being of the first browser type **(If no match occurs, the agent programs passes the URL to the standard browser and the remote server at the web site returns the requested web page, from which the agent program determines the IP address of the web site using the private browser, See Col. 7, Lines 29 - 63)**;

determining that the IP address is associated with the second content class such that the IP address should not be accessed by the first browser instance **(If a match occurs indicating that the entered URL is associated with a trusted site, the agent program activates the private browser and uses the IP address to determine if the site is trusted, See Col. 7, Lines 29 - 63)**; and

generating a second browser instance to access the IP address, the second browser instance being of the second browser type **(If the sign-on credentials are accepted by the web site, a user session is opened in the private browser, See Col. 7, Lines 29 - 63)**.

As per claim 8, the method of claim 7, wherein the second browser instance is launched automatically to a client device for display **(If a match occurs indicating that the entered URL is associated with a trusted site, the agent program activates the private browser, See Col. 7, Lines 29 - 63)**.

As per claim 9, the method of claim 7, further comprising: executing an API call configured to intercept a system call to a web server associated with the IP address, the system call initiated by the first browser instance **(The agent program includes a plug-in which is installed in the standard browser which is activated whenever a user enters a web site URL at step, or when a URL is invoked by clicking on a link or the like, See Col. 7, Lines 29 - 63)**.

As per claim 10, cancelled.

As per claim 11, the method of claim 7, further comprising: executing a tracer to determine whether or not a requested network object is allowed to be accessed by the first browser instance **(When a URL has been entered, at step the agent program compares the URL entered or invoked with the URL's stored in the user web site database, See Col. 7, Lines 29 - 63)**.

As per claim 12, cancelled.

As per claim 13, a non-transitory computer readable medium encoded with a set of instructions for facilitating different categories of content to be displayed in different independent browser instances, the set of instructions, executable by a processor, comprising:

accessing data associating a first web content class with a first browser type and a second web content class with a second browser type **(If no match occurs, the agent program passes the URL entered to the standard browser, but prevents the user from sending any sign-on credentials to the web site identified by the entered URL. If a match occurs at, indicating that the entered URL is associated with a trusted site, the agent program activates the private browser, See Col. 7, Lines 29 - 63)**;

accessing a request to access web content via a first browser instance, the first browser instance being of the first browser type **(The agent program includes a plug-in which is installed in the standard browser which is activated whenever a user enters a web site URL or when a URL is invoked by clicking on a link or the like, See Col. 7, Lines 29 - 63)**; and

comparing the web content to the first web content class and the second web content class to determine whether the web content is accessible to the first browser instance **(When a URL has been entered, at step the agent program compares the URL entered or invoked with the URL's stored in the user web site database, See Col. 7, Lines 29 - 63)**.

As per claim 14, the non-transitory computer readable medium of claim 13, further comprising: generating a second browser instance to access the web content, wherein the second browser instance is launched automatically to a client device for display **(If a match occurs indicating that the entered URL is associated with a trusted site, the agent program activates the private browser, See Col. 7, Lines 29 - 63)**.

As per claim 15, the non-transitory computer readable medium of claim 13, further comprising: executing an API call configured to intercept a system call to a web server, the system call associated with the first browser instance **(The agent program includes a plug-in which is installed in the standard browser which is activated whenever a user enters a web site URL at step, or when a URL is invoked by clicking on a link or the like, See Col. 7, Lines 29 - 63)**.

As per claim 16, the non-transitory computer readable medium of claim 13, further comprising: executing a tracer to determine whether or not the first browser instance is authorized to access a requested network **(When a URL has been entered, at step the agent program compares the URL entered or invoked with the URL's stored in the user web site database, See Col. 7, Lines 29 - 63)**.

As per claim 17, cancelled.

As per claim 18, the non-transitory computer readable medium of claim 13, wherein the second web content class is associated with sensitive information indicating that accessing the web content by the first browser presents a security risk **(The user web site database stores URL's and IP addresses associated with selected trusted web sites, such as the financial web sites and may contain additional information about the web sites, such as textual and/or graphic information associated with pages of the web sites, See Col. 6, Lines 40 - 52)**.

As per claim 19, the system of claim 3, further comprising: wherein the processor is operable to pause operation associated with the first browser instance upon interception of the system call; and wherein the API controls system calls made by other programs and other browser instances **(The agent program includes a plug-in which is installed in the standard browser which is activated whenever a user enters a web site URL at step, or when a URL is invoked by clicking on a link or the like, See Col. 7, Lines 29 - 63)**.

As per claim 20, the method of claim 7, further comprising:

generating a domain name system (DNS) query to resolve the IP address **(Domain name servers (DNS) are used in Internet communications to convert URL's to numeric IP addresses)**;

determining that the IP address is associated with the second content class **(The user web site database stores URL's and IP addresses associated with selected trusted web sites, such as the**

financial web sites and may contain additional information about the web sites, such as textual and/or graphic information associated with pages of the web sites, See Col. 6, Lines 40 - 52}; and

issuing a DNS response, the IP address being rewritten in the DNS response to prevent the first browser instance from accessing the IP address and information of the second content class {The remote server at the web site returns the requested web page, from which the agent program determines the **IP address** of the web site. The agent program compares the returned **IP address** to the stored **IP address** associated with the **URL** that was entered, **See Col. 7, Lines 29 - 63**}; and

returning the IP address as rewritten to the first browser instance **(**If no match occurs the agent program warns the user that the accessed site is not the site that should be associated with the entered **URL** and prevents the user from sending any sign-on credentials to the site, **See Col. 7, Lines 29 - 63)**.

As per claim 21, the non-transitory computer readable medium of claim 13, wherein the first web content class is associated with a first plurality of URLs and the second web content class is associated with a second plurality of URLs, the first plurality of URLs being different from the second plurality of URLs **(The user web site database stores URL's and IP addresses associated with selected trusted web sites, such as the financial web sites and may contain additional information about the web sites, such as textual and/or graphic information associated with pages of the web sites, See Col. 6, Lines 4 - 15)**.

As per claim 22, the non-transitory computer readable medium of claim 13, wherein the data further defines rules limiting web access by the first browser instance to URLs defined by the first web content class {The agent program checks to see if the web site URL entered by user into the web browser matches any of the web site URL's in the web site database, See Col. 4, Lines 14 - 46 and Col. 7, Lines 29 - 63}.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to NAZIA NAOREEN whose telephone number is (571)270-7282. The examiner can normally be reached on Monday to Friday 9 am to 5 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kevin Bates can be reached on (571)272-3980. 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.

/NAZIA NAOREEN/
Examiner, Art Unit 2458

/KEVIN BATES/
Supervisory Patent Examiner, Art Unit 2458

Notice of References Cited	Application/Control No. 14/563,712	Applicant(s)/Patent Under Reexamination BAZZI ET AL.	
	Examiner NAZIA NAOREEN	Art Unit 2458	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-8,095,967 B2	01-2012	Loesch; William	G06F17/30902	726/22
	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	CPC Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

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

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

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14563712	BAZZI ET AL.
	Examiner	Art Unit
	NAZIA NAOREEN	2458

CPC- SEARCHED		
Symbol	Date	Examiner
H04L 67/02	12/12/2016	NN
G06F 21/53	12/12/2016	NN
G06F 21/6263	12/12/2016	NN

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
709	219	12/12/2016	NN
709	219	5/8/2017	NN
709	219	2/5/2018	NN

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

SEARCH NOTES		
Search Notes	Date	Examiner
Inventor and Assignee	12/12/2016	NN
EAST(US-PGPUB, USPAT, USOCR, FPRS, EPO, JPO, DERWENT, IBM TDB), Google search	12/12/2016	NN
Classification and Double Patenting	12/12/2016	NN
Updated Search	5/8/2017	NN
Updated Search	2/5/2018	NN

INTERFERENCE SEARCH

/NAZIA NAOREEN/ Examiner.Art Unit 2458	

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

/NAZIA NAOREEN/ Examiner.Art Unit 2458	

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	rida same bazzi.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/02/05 14:53
L2	836	arizona state university.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/02/05 14:53
L3	0	L1 and L2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/02/05 14:53
L4	9	fresh browser instance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/02/05 14:53
L5	3	L4 AND ((G06F21/53 OR G06F21/6263 OR H04L67/02).CPC.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/02/05 14:53
S1	21950	709/219.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/12/12 12:25
S2	4844323	fresh browser instance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/12/12 12:27
S3	8	fresh browser instance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:27
S4	1	S1 and S3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:28
S5	69	secure browser and second near browser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:29
S6	1	S1 and S5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:30
S7	20	S5 AND ((G06F21/53 OR G06F21/6263 OR H04L67/02).CPC.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:31
S8	2	S3 AND ((G06F21/53 OR G06F21/6263 OR H04L67/02).CPC.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:32
S9	1	rida same bazzi.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:32
S10	675	arizona state university.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:33
S11	0	S9 and S10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	ADJ	ON	2016/12/12 12:33

			DERWENT; IBM_TDB			
S12	2	rida same bazzi.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2017/05/08 18:20
S13	72	secure browser and second near browser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2017/05/08 18:21
S14	21	S13 AND ((G06F21/53 OR G06F21/6263 OR H04L67/02).CPC.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2017/05/08 18:21
S15	9	fresh browser instance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2017/05/08 18:21
S16	3	S15 AND ((G06F21/53 OR G06F21/6263 OR H04L67/02).CPC.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2017/05/08 18:21
S17	4991467	fresh browser instance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/05/08 18:21
S18	15960	browser and api near call	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2017/05/08 18:22
S19	14042	browser and api call	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2017/05/08 18:22
S20	65	browser and api system call	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2017/05/08 18:22

2/ 5/ 2018 2:54:29 PM
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IPR2025-01400
CrowdStrike EX1002 Page 299

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14563712	BAZZI ET AL.
	Examiner	Art Unit
	NAZIA NAOREEN	2458

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

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

CLAIM		DATE								
Final	Original	12/12/2016	05/08/2017	02/05/2018						
	1	✓	✓	✓						
	2	✓	✓	✓						
	3	✓	✓	✓						
	4	✓	✓	-						
	5	✓	✓	✓						
	6	✓	✓	✓						
	7	✓	✓	✓						
	8	✓	✓	✓						
	9	✓	✓	✓						
	10	✓	✓	-						
	11	✓	✓	✓						
	12	✓	✓	-						
	13	✓	✓	✓						
	14	✓	✓	✓						
	15	✓	✓	✓						
	16	✓	✓	✓						
	17	✓	✓	✓						
	18	✓	✓	-						
	19		✓	✓						
	20			✓						
	21			✓						
	22			✓						

IPR2025-01400
CrowdStrike EX1002 Page 300

Electronic Patent Application Fee Transmittal

Application Number:	14563712
Filing Date:	08-Dec-2014
Title of Invention:	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT
First Named Inventor/Applicant Name:	RIDA A. BAZZI
Filer:	Ari M. Bai/Sam Bethune
Attorney Docket Number:	055743-483778

Filed as Micro Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension - 2 months with $0 paid	3252	1	150	150
Miscellaneous:				
		Total in USD ($)		**150**

Electronic Acknowledgement Receipt	
EFS ID:	33416448
Application Number:	14563712
International Application Number:	
Confirmation Number:	7752
Title of Invention:	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT
First Named Inventor/Applicant Name:	RIDA A. BAZZI
Customer Number:	27148
Filer:	Ari M. Bai/Sam Bethune
Filer Authorized By:	Ari M. Bai
Attorney Docket Number:	055743-483778
Receipt Date:	08-AUG-2018
Filing Date:	08-DEC-2014
Time Stamp:	19:59:32
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$150
RAM confirmation Number	080918INTEFSW00006028501662
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Amendment Copy Claims/Response to Suggested Claims	Response.pdf	53333 1bfc0abb0582b68414e8cf4fa0135b44fcd66ea0	no	11
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30680 e93da01778401acad0f54c7c466c79a264268126	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	84013		

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

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.
National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.
New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	Rida A. Bazzi	Examiner:	Nazia Naoreen
Serial No.:	14/563,712	Group Art Unit:	2458
Filed:	December 8, 2014	Confirmation No.:	7752

For: SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT

AMENDMENT & RESPONSE UNDER 37 C.F.R. §1.111

TO THE COMMISSIONER FOR PATENTS

Sir:

This paper is responsive to the non-final Office Action mailed on March 8, 2018. Please enter the following amendments and consider the remarks below in accordance with the Rules of Practice. A two-month extension of time including the official fee under 37 CFR 1.17(a)(2) of $150.00 is being concurrently filed herewith to extend the period for response to August 8, 2018.

No further fees are believed to be due in connection with the filing of this paper; however, should any fees be deemed necessary, the commissioner is hereby authorized to deduct any such fees from **Deposit Account No. 50-1662** referencing the above docket number.

Amendments to the claims are reflected in the listing that begins at page 2 of this paper.

Remarks begin at page 7 of this paper.

CLAIM AMENDMENTS

Please amend the claims as follows:

1. (Currently amended) A system, comprising:

a processor, operable to:

receive data defining a first web content class and a second web content class, the first web content class defining a first plurality of Uniform Resource Locators (URLs), and the second web content class defining a second plurality of URLs different than the first plurality of URLs, the second web content class further being associated with sensitive information presenting a security risk;

generate a first browser instance, the first browser instance defining a browser instance type predetermined to be associated with the first web content class;

intercept a request to access web content from the first browser instance, the request defining a URL of the second plurality of URLs such that the web content is associated with the second web content class;

confirm that the URL is not being accessed by an already-running browser instance associated with the second web content class; and

generate a second browser instance associated with the second web content class to provide access to the URL of the second plurality of URLs via the second browser instance.

2. (Previously presented) The system of claim 1, wherein the second browser instance is launched automatically for display, and the web content is associated with a web server.

3. (Previously presented) The system of claim 2, wherein the processor is operable to execute an API call configured to intercept a system call to the web server, the system call to the web server intended to provide access of the URL to the first browser instance.

4. (Canceled)

5. (Previously presented) The system of claim 1, wherein the processor is operable to implement a tracer to determine whether or not a requested network object is allowed to be accessed by the first browser instance.

6. (Previously presented) The system of claim 1, wherein the processor executes a daemon outside the first browser instance and the second browser instance that tracks active browser instances and launches new browser instances in order to manage web access according to the data defining the first web content class and the second web content class.

7. (Currently amended) A method for facilitating different categories of content to be displayed in different independent browser instances, the method comprising:

utilizing a processor in communication with a non-transitory tangible storage medium storing instructions that are executed by the processor to perform operations comprising:

accessing data defining rules for delegating web access associated with a first content class to a first browser type and delegating web access associated with a second content class to a second browser type;

identifying a request to access an IP address by a first browser instance, the first browser instance being of the first browser type;

determining that the IP address is associated with the second content class such that the IP address should not be accessed by the first browser instance; and

generating a second browser instance to access the IP address, the second browser instance being of the second browser type.

8. (Previously presented) The method of claim 7, wherein the second browser instance is launched automatically to a client device for display.

9. (Previously presented) The method of claim 7, further comprising:

executing an API call configured to intercept a system call to a web server associated with the IP address, the system call initiated by the first browser instance.

10. (Canceled)

11. (Previously presented) The method of claim 7, further comprising:

executing a tracer to determine whether or not a requested network object is allowed to be accessed by the first browser instance.

12. (Canceled)

13. (Currently amended) A non-transitory computer readable medium encoded with a set of instructions for facilitating different categories of content to be displayed in different independent browser instances, the set of instructions, executable by a processor, comprising:

accessing data associating a first web content class with a first browser type and a second web content class with a second browser type;

accessing a request to access web content via a first browser instance, the first browser instance being of the first browser type; and

comparing the web content to the first web content class and the second web content class to determine whether the web content is accessible to the first browser instance.

14. (Previously presented) The non-transitory computer readable medium of claim 13, further comprising:

generating a second browser instance to access the web content,

wherein the second browser instance is launched automatically to a client device for display.

15. (Previously presented) The non-transitory computer readable medium of claim 13, further comprising:

executing an API call configured to intercept a system call to a web server, the system call associated with the first browser instance.

16. (Previously presented) The non-transitory computer readable medium of claim 13, further comprising:

executing a tracer to determine whether or not the first browser instance is authorized to access a requested network.

17. (Canceled)

18. (Previously presented) The non-transitory computer readable medium of claim 13, wherein the second web content class is associated with sensitive information indicating that accessing the web content by the first browser instance presents a security risk.

19. (Currently amended) The system of claim 3, further comprising:

wherein the processor is operable to pause operations associated with ~~of~~ the first browser instance upon interception of the system call; and

wherein the API controls system calls made by other programs and other browser instances.

20. (Previously presented) The method of claim 7, further comprising:

generating a domain name system (DNS) query to resolve the IP address;

determining that the IP address is associated with the second content class; and

issuing a DNS response, the IP address being rewritten in the DNS response to prevent the first browser instance from accessing the IP address and information of the second content class; and

returning the IP address as rewritten to the first browser instance.

21. (Previously presented) The non-transitory computer readable medium of claim 13, wherein the first web content class is associated with a first plurality of URLs and the second web content class is associated with a second plurality of URLs, the first plurality of URLs being different from the second plurality of URLs.

22. (Previously presented) The non-transitory computer readable medium of claim 13, wherein the data further defines rules limiting web access by the first browser instance to URLs defined by the first web content class.

REMARKS

This paper responds to the Examiner's Non-Final Office Action mailed on March 8, 2018. Reconsideration and continued examination in view of the foregoing response is respectfully requested.

Status of Claims

Claims 1-3, 5-9, 11, 13-16, and 18-22 were previously pending in the instant application, with claims 1, 7, and 13 being independent. By the present document, Claims 1–3, 5–9, 11, 13–16, and 18–22 remain pending, with claims 1, 7, and 13 being independent. Claims 4, 10, 12, and 17 have been cancelled. Claims 1, 7, 13, and 19 have been amended. No new subject matter has been added.

102 Rejections (Loesch)

The Examiner rejected claims 1-3, 5-9, 11, 13-16, and 18-22 under 35 U.S.C. §102(b) as being anticipated by U.S. Patent No. 8,095,967 to Loesch ("Loesch"). The Applicants respectfully traverse these rejections.

Independent Claim 1

Independent claim 1 currently recites the following features (emphasis added):

> a processor, operable to:
>
> receive data defining a first web content class and a second web content class, the first web content class defining a first plurality of Uniform Resource Locators (URLs), and the second web content class defining a second plurality of URLs different than the first plurality of URLs, the second web content class further being associated with sensitive information presenting a security risk;

generate a first browser instance, the first browser instance defining a browser instance type predetermined to be associated with the first web content class;

intercept a request to access web content from the first browser instance, the request defining a URL of the second plurality of URLs such that the web content is associated with the second web content class;

confirm that the URL is not being accessed by an already-running browser instance associated with the second web content class; and

generate a second browser instance associated with the second web content class to provide access to the URL of the second plurality of URLs via the second browser instance.

The Loesch reference at least fails to disclose the features of a processor operable to "confirm that the URL is not being accessed by an already-running browser instance associated with the second web content class." The Office Action identifies citations to Col. 4, lines 14-16 and Col. 7, lines 29-63 of Loesch as allegedly disclosing these features. The Applicants respectfully disagree.

The citations identified by the Office Action deal with the broad multi-step method of website authentication disclosed in Loesch. However, the citations do not disclose *confirming that a URL is not already being accessed by a browser instance*. For example, Loesch does not disclose confirming that a prior instance of its private browser 46 is already running before implementing the same. In contrast, as highlighted in the specification in support of the subject features, "the daemon is a multi-threaded C program that uses Unix Domain Sockets to communicate with browser extensions. It is responsible for deciding how to handle restricted URLs by **either dispatching it to an already-running instance** that is allowed to access the URL or creating a fresh new instance.[1]" For the same or similar reasons, the

[1] *See* paragraph [0070] of the subject application.

features of claim 6[2] are also believed to be absent from Loesch. Managing specialized instances of the browser as claimed and disclosed accommodate the inventive concept of the subject application to optimize processing load and leverage prior active instances of a secured web browser (as opposed to generating new ones).

Independent claims 7 and 13

Independent claims 7 and 13 (and independent claim 1) recite the utilization of content classes (first content class and second content class) for more secure authentication. For example, independent claim 7 recites "accessing data defining rules for delegating web access associated with a first content class to a first browser type and delegating web access associated with a second content class to a second browser type," and independent claim 13 recites "accessing data associating a first web content class with a first browser type and a second web content class with a second browser type."

It is respectfully submitted that the Loesch reference is devoid of such features. Loesch describes a web site database 44 storing a collection of pre-defined non-trusted sites. Loesch does not describe breaking down URL access according to content classes as described in detail throughout the specification.

Dependent claims 14 and 20

Moreover, the features of claims 14 and 20 are believed to be entirely absent from Loesch. With respect to claim 14, Loesch describes the submission of credentials and other intervening authentication steps and not automatic generation of a second browser instance. With respect to claim 20, the claimed features of "the IP address being rewritten in the DNS response to prevent the first browser instance from accessing the IP address and information of the second content class" are respectfully absent from Loesch.

In view of the foregoing, the Applicants submit the Loesch reference does not disclose all of the features of the independent claims and consequently fails to

[2] "wherein the processor executes a daemon outside the first browser instance and the second browser instance that tracks active browser instances and launches new browser instances in order to manage web access according to the data defining the first web content class and the second web content class."

anticipate these claims and associated dependent claims. Therefore, the Applicants respectfully request withdrawal of the 102 rejections and indication of allowance.

CONCLUSION

By the present response, the Applicants respectfully submit that the claims are in a condition for allowance, and notification to that effect is earnestly requested. The Examiner is invited to telephone Applicants' representative at (602) 650-2096 to facilitate prosecution of this application. If necessary, please charge any additional fees or credit overpayment to Deposit Account No. 50-1662.

Respectfully submitted,

POLSINELLI PC

Date: August 8, 2018

By: /Timothy D. Fontes/

Timothy D. Fontes, Reg. No.: 70,801
One E. Washington Street, Suite 1200
Phoenix, AZ 85004
Direct Phone: (602) 650-2096
E-Mail: uspto@polsinelli.com
Attorney for Applicants

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 14/563,712	Filing Date 12/08/2014	☐ To be Mailed

ENTITY: ☐ LARGE ☐ SMALL ☒ MICRO

APPLICATION AS FILED – PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	

APPLICATION AS AMENDED – PART II

AMENDMENT	08/08/2018	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 18	Minus	** 20	= 0	X $25 =	0
	Independent (37 CFR 1.16(h))	* 3	Minus	***3	= 0	X $115 =	0
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
						TOTAL ADD'L FEE	**0**

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

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

LIE
CORALIA BETANCOURT

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**
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POLSINELLI PC
900 WEST 48TH PLACE
SUITE 900
KANSAS CITY, MO 64112-1895

Paper No.

Application No.:	**14/563,712**	**Date Mailed:**	**2018-08-14** **ELECTRONIC**
First Named Inventor:	RIDA A. BAZZI	Examiner:	NAOREEN, NAZIA
Attorney Docket No.:	055743-483778	Art Unit:	2458
Confirmation No.:	7752	Filing Date:	12/08/2014

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

Commissioner for Patents

PTO-90c (Rev.08-06)

Notice of Non-Compliant Amendment (37 CFR 1.121)	Application No. 14/563,712	Applicant(s) BAZZI ET AL.

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

The amendment document filed on *08 August, 2018* is considered non-compliant because it has failed to meet the requirements of 37 CFR 1.121 or 1.4. In order for the amendment document to be compliant, correction of the following item(s) is required.

THE FOLLOWING MARKED (X) ITEM(S) CAUSE THE AMENDMENT DOCUMENT TO BE NON-COMPLIANT:

- ☐ 1. Amendments to the specification:
  - ☐ A. Amended paragraph(s) do not include markings.
  - ☐ B. New paragraph(s) should not be underlined.
  - ☐ C. Other _____.
- ☐ 2. Abstract:
  - ☐ A. Not presented on a separate sheet. 37 CFR 1.72.
  - ☐ B. Other _____.
- ☐ 3. Amendments to the drawings:
  - ☐ A. The drawings are not properly identified in the top margin as "Replacement Sheet," "New Sheet," or "Annotated Sheet" as required by 37 CFR 1.121(d).
  - ☐ B. The practice of submitting proposed drawing correction has been eliminated. Replacement drawings showing amended figures, without markings, in compliance with 37 CFR 1.84 are required.
  - ☐ C. Other _____.
- ☒ 4. Amendments to the claims:
  - ☐ A. A complete listing of all of the claims is not present.
  - ☐ B. The listing of claims does not include the text of all pending claims (including withdrawn claims)
  - ☒ C. Each claim has not been provided with the proper status identifier, and as such, the individual status of each claim cannot be identified. Note: the status of every claim must be indicated after its claim number by using one of the following status identifiers: (Original), (Currently amended), (Canceled), (Previously presented), (New), (Not entered), (Withdrawn) and (Withdrawn-currently amended).
  - ☐ D. The claims of this amendment paper have not been presented in ascending numerical order.
  - ☐ E. Other: _____.
- ☐ 5. Other (e.g., the amendment is unsigned or not signed in accordance with 37 CFR 1.4): For further explanation of the amendment format required by 37 CFR 1.121, see MPEP § 714.

TIME PERIODS FOR FILING A REPLY TO THIS NOTICE:

1. Applicant is given **no new time period if the non-compliant amendment is an** after-final amendment or an amendment filed after allowance, or a drawing submission (only) If applicant wishes to resubmit the non-compliant after-final amendment with corrections, the **entire corrected amendment** must be resubmitted.

2. Applicant is given **two months** from the mail date of this notice to supply the correction, if the non-compliant amendment is one of the following: a preliminary amendment, a non-final amendment (including a submission for a request for continued examination (RCE) under 37 CFR 1.114), a supplemental amendment filed within a suspension period under 37 CFR 1.103(a) or (c), and an amendment filed in response to a Quayle action. If any of above boxes 1 to 4 are checked, the correction required is only the corrected section of the non-compliant amendment in compliance with 37 CFR 1.121.

Extensions of time are available under 37 CFR 1.136(a) only if the non-compliant amendment is a non-final amendment or an amendment filed in response to a *Quayle* action.

Failure to timely respond to this notice will result in:

Abandonment of the application if the non-compliant amendment is a non-final amendment or an amendment filed in response to a *Quayle* action; or

Non-entry of the amendment if the non-compliant amendment is a preliminary amendment or supplemental amendment.

Legal Instruments Examiner (LIE), if applicable CORALIA BETANCOURT Telephone No: _____

IPR2025-01400
CrowdStrike EX1002 Page 318

Electronic Acknowledgement Receipt	
EFS ID:	33467950
Application Number:	14563712
International Application Number:	
Confirmation Number:	7752
Title of Invention:	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT
First Named Inventor/Applicant Name:	RIDA A. BAZZI
Customer Number:	27148
Filer:	Ari M. Bai/Sam Bethune
Filer Authorized By:	Ari M. Bai
Attorney Docket Number:	055743-483778
Receipt Date:	14-AUG-2018
Filing Date:	08-DEC-2014
Time Stamp:	18:14:52
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Amendment Copy Claims/Response to Suggested Claims	Supplemental_Amendment.pdf	55407 8a474b27da8a230cfc8d059cd85b68e275a9ecf4	no	11
Warnings:					

Information:	
Total Files Size (in bytes):	55407

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	Rida A. Bazzi	Examiner:	Nazia Naoreen
Serial No.:	14/563,712	Group Art Unit:	2458
Filed:	December 8, 2014	Confirmation No.:	7752

For: SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT

SUPPLEMENTAL AMENDMENT & RESPONSE UNDER 37 C.F.R. §1.111 and MPEP §714.03(a)

TO THE COMMISSIONER FOR PATENTS

Sir:

This paper is a supplemental amendment to the response to the non-final Office Action mailed on March 8, 2018 which was filed by the Applicants on August 8, 2018 (the "First Response"). This supplemental amendment is further responsive to the Notice of Non-Compliant Amendment mailed on August 14, 2018.

No further fees are believed to be due in connection with the filing of this paper; however, should any fees be deemed necessary, the commissioner is hereby authorized to deduct any such fees from **Deposit Account No. 50-1662** referencing the above docket number.

Amendments to the claims are reflected in the listing that begins at page 2 of this paper.

Remarks begin at page 7 of this paper.

CLAIM AMENDMENTS

Please amend the claims as follows:

1. (Previously presented) A system, comprising:

a processor, operable to:

receive data defining a first web content class and a second web content class, the first web content class defining a first plurality of Uniform Resource Locators (URLs), and the second web content class defining a second plurality of URLs different than the first plurality of URLs, the second web content class further being associated with sensitive information presenting a security risk;

generate a first browser instance, the first browser instance defining a browser instance type predetermined to be associated with the first web content class;

intercept a request to access web content from the first browser instance, the request defining a URL of the second plurality of URLs such that the web content is associated with the second web content class;

confirm that the URL is not being accessed by an already-running browser instance associated with the second web content class; and

generate a second browser instance associated with the second web content class to provide access to the URL of the second plurality of URLs via the second browser instance.

2. (Previously presented) The system of claim 1, wherein the second browser instance is launched automatically for display, and the web content is associated with a web server.

3. (Previously presented) The system of claim 2, wherein the processor is operable to execute an API call configured to intercept a system call to the web server, the system call to the web server intended to provide access of the URL to the first browser instance.

4. (Canceled)

5. (Previously presented) The system of claim 1, wherein the processor is operable to implement a tracer to determine whether or not a requested network object is allowed to be accessed by the first browser instance.

6. (Previously presented) The system of claim 1, wherein the processor executes a daemon outside the first browser instance and the second browser instance that tracks active browser instances and launches new browser instances in order to manage web access according to the data defining the first web content class and the second web content class.

7. (Previously presented) A method for facilitating different categories of content to be displayed in different independent browser instances, the method comprising:

utilizing a processor in communication with a non-transitory tangible storage medium storing instructions that are executed by the processor to perform operations comprising:

accessing data defining rules for delegating web access associated with a first content class to a first browser type and delegating web access associated with a second content class to a second browser type;

identifying a request to access an IP address by a first browser instance, the first browser instance being of the first browser type;

determining that the IP address is associated with the second content class such that the IP address should not be accessed by the first browser instance; and

generating a second browser instance to access the IP address, the second browser instance being of the second browser type.

8. (Previously presented) The method of claim 7, wherein the second browser instance is launched automatically to a client device for display.

9. (Previously presented) The method of claim 7, further comprising:

executing an API call configured to intercept a system call to a web server associated with the IP address, the system call initiated by the first browser instance.

10. (Canceled)

11. (Previously presented) The method of claim 7, further comprising:

executing a tracer to determine whether or not a requested network object is allowed to be accessed by the first browser instance.

12. (Canceled)

13. (Previously presented) A non-transitory computer readable medium encoded with a set of instructions for facilitating different categories of content to be displayed in different independent browser instances, the set of instructions, executable by a processor, comprising:

accessing data associating a first web content class with a first browser type and a second web content class with a second browser type;

accessing a request to access web content via a first browser instance, the first browser instance being of the first browser type; and

comparing the web content to the first web content class and the second web content class to determine whether the web content is accessible to the first browser instance.

14. (Previously presented) The non-transitory computer readable medium of claim 13, further comprising:

generating a second browser instance to access the web content,

wherein the second browser instance is launched automatically to a client device for display.

15. (Previously presented) The non-transitory computer readable medium of claim 13, further comprising:

executing an API call configured to intercept a system call to a web server, the system call associated with the first browser instance.

16. (Previously presented) The non-transitory computer readable medium of claim 13, further comprising:

executing a tracer to determine whether or not the first browser instance is authorized to access a requested network.

17. (Canceled)

18. (Previously presented) The non-transitory computer readable medium of claim 13, wherein the second web content class is associated with sensitive information indicating that accessing the web content by the first browser instance presents a security risk.

19. (Previously presented) The system of claim 3, further comprising:

wherein the processor is operable to pause operations associated with the first browser instance upon interception of the system call; and

wherein the API controls system calls made by other programs and other browser instances.

20. (Previously presented) The method of claim 7, further comprising:

generating a domain name system (DNS) query to resolve the IP address;

determining that the IP address is associated with the second content class; and

issuing a DNS response, the IP address being rewritten in the DNS response to prevent the first browser instance from accessing the IP address and information of the second content class; and

returning the IP address as rewritten to the first browser instance.

21. (Previously presented) The non-transitory computer readable medium of claim 13, wherein the first web content class is associated with a first plurality of URLs and the second web content class is associated with a second plurality of URLs, the first plurality of URLs being different from the second plurality of URLs.

22. (Previously presented) The non-transitory computer readable medium of claim 13, wherein the data further defines rules limiting web access by the first browser instance to URLs defined by the first web content class.

REMARKS

This paper supplements the response to Non-Final Office Action mailed on March 8, 2018 cited above. Reconsideration and continued examination in view of the foregoing response is respectfully requested.

Status of Claims

Claims 1–3, 5–9, 11, 13–16, and 18–22 remain pending, with claims 1, 7, and 13 being independent. Claims 4, 10, 12, and 17 have previously been cancelled. There have been no claim amendments made in this response. No new subject matter has been added.

Notice of Non-Compliant Amendment

The Office issued a Notice of Non-Compliant Amendment (the "Notice") on August 14, 2018, indicating that the claims of the First Response were submitted with the improper status identifiers. The Applicants submit the subject paper in response to the Notice in accordance with MPEP Section 714.03(a).

Under 714.03(a), the Office may enter a supplemental response or reply if the reply is limited to e.g., a "(D) reply to an Office Requirement made after the first reply was filed; [or for] (E) correction of informalities." Here, the subject paper supplements the First Response by correcting formalities; specifically, by amending the claim status identifiers associated with independent claims 1, 7, and 13 which were inadvertently labeled in the response as "Currently Amended" instead of "Previously Presented." This paper makes no further changes to the First Response, and the rest of the Remarks section is repeated below for convenience.

In view of the aforementioned, the Applicants respectfully submit the subject paper and supplemental response cures the informalities identified in the Notice, and the Applicants respectfully request that the Examiner enter the subject supplemental response.

102 Rejections (Loesch)

The Examiner rejected claims 1-3, 5-9, 11, 13-16, and 18-22 under 35 U.S.C. §102(b) as being anticipated by U.S. Patent No. 8,095,967 to Loesch ("Loesch"). The Applicants respectfully traverse these rejections.

Independent Claim 1

Independent claim 1 currently recites the following features (emphasis added):

> a processor, operable to:
>
> receive data defining a first web content class and a second web content class, the first web content class defining a first plurality of Uniform Resource Locators (URLs), and the second web content class defining a second plurality of URLs different than the first plurality of URLs, the second web content class further being associated with sensitive information presenting a security risk;
>
> generate a first browser instance, the first browser instance defining a browser instance type predetermined to be associated with the first web content class;
>
> intercept a request to access web content from the first browser instance, the request defining a URL of the second plurality of URLs such that the web content is associated with the second web content class;
>
> **confirm that the URL is not being accessed by an already-running browser instance associated with the second web content class**; and
>
> generate a second browser instance associated with the second web content class to provide access to the URL of the second plurality of URLs via the second browser instance.

The Loesch reference at least fails to disclose the features of a processor operable to "confirm that the URL is not being accessed by an already-running browser instance associated with the second web content class." The Office Action identifies citations to Col. 4, lines 14-16 and Col. 7, lines 29-63 of Loesch as allegedly disclosing these features. The Applicants respectfully disagree.

The citations identified by the Office Action deal with the broad multi-step method of website authentication disclosed in Loesch. However, the citations do not disclose *confirming that a URL is not already being accessed by a browser instance*. For example, Loesch does not disclose confirming that a prior instance of its private browser 46 is already running before implementing the same. In contrast, as highlighted in the specification in support of the subject features, "the daemon is a multi-threaded C program that uses Unix Domain Sockets to communicate with browser extensions. It is responsible for deciding how to handle restricted URLs by **either dispatching it to an already-running instance** that is allowed to access the URL or creating a fresh new instance.[1]" For the same or similar reasons, the features of claim 6[2] are also believed to be absent from Loesch. Managing specialized instances of the browser as claimed and disclosed accommodate the inventive concept of the subject application to optimize processing load and leverage prior active instances of a secured web browser (as opposed to generating new ones).

Independent claims 7 and 13

Independent claims 7 and 13 (and independent claim 1) recite the utilization of content classes (first content class and second content class) for more secure authentication. For example, independent claim 7 recites "accessing data defining rules for delegating web access associated with a first content class to a first browser type and delegating web access associated with a second content class to a second browser type," and independent claim 13 recites "accessing data

[1] *See* paragraph [0070] of the subject application.

[2] "wherein the processor executes a daemon outside the first browser instance and the second browser instance that tracks active browser instances and launches new browser instances in order to manage web access according to the data defining the first web content class and the second web content class."

associating a first web content class with a first browser type and a second web content class with a second browser type."

It is respectfully submitted that the Loesch reference is devoid of such features. Loesch describes a web site database 44 storing a collection of pre-defined non-trusted sites. Loesch does not describe breaking down URL access according to content classes as described in detail throughout the specification.

Dependent claims 14 and 20

Moreover, the features of claims 14 and 20 are believed to be entirely absent from Loesch. With respect to claim 14, Loesch describes the submission of credentials and other intervening authentication steps and not automatic generation of a second browser instance. With respect to claim 20, the claimed features of "the IP address being rewritten in the DNS response to prevent the first browser instance from accessing the IP address and information of the second content class" are respectfully absent from Loesch.

In view of the foregoing, the Applicants submit the Loesch reference does not disclose all of the features of the independent claims and consequently fails to anticipate these claims and associated dependent claims. Therefore, the Applicants respectfully request withdrawal of the 102 rejections and indication of allowance.

CONCLUSION

By the present response, the Applicants respectfully submit that the claims are in condition for allowance, and notification to that effect is earnestly requested. The Examiner is invited to telephone Applicants' representative at (602) 650-2096 to facilitate prosecution of this application. If necessary, please charge any additional fees or credit overpayment to Deposit Account No. 50-1662.

Respectfully submitted,

POLSINELLI PC

Date: August 14, 2018

By: /Timothy D. Fontes/

Timothy D. Fontes, Reg. No.: 70,801
One E. Washington Street, Suite 1200
Phoenix, AZ 85004
Direct Phone: (602) 650-2096
E-Mail: uspto@polsinelli.com
Attorney for Applicants

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/563,712	12/08/2014	RIDA A. BAZZI	055743-483778	7752

27148 7590 12/18/2018

POLSINELLI PC
900 WEST 48TH PLACE
SUITE 900
KANSAS CITY, MO 64112-1895

EXAMINER	
NAOREEN, NAZIA	

ART UNIT	PAPER NUMBER
2458	

NOTIFICATION DATE	DELIVERY MODE
12/18/2018	ELECTRONIC

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

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

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

uspt@polsinelli.com

IPR2025-01400
CrowdStrike EX1002 Page 332

Office Action Summary	**Application No.** 14/563,712	**Applicant(s)** BAZZI et al.	
	Examiner NAZIA NAOREEN	**Art Unit** 2458	**AIA Status** Yes

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

Period for Reply

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

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

Status

1)☑ Responsive to communication(s) filed on 08/14/2018.

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

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

3)☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

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

Disposition of Claims*

5) ☑ Claim(s) 1-3,5-9,11,13-16 and 18-22 is/are pending in the application.

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

6) ☐ Claim(s) _____ is/are allowed.

7) ☑ Claim(s) 1-3,5-9,11,13-16 and 18-22 is/are rejected.

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

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

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to **PPHfeedback@uspto.gov.**

Application Papers

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

11)☑ The drawing(s) filed on 04/13/2015 is/are: a)☑ accepted or b)☐ objected to by the Examiner.

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

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

Priority under 35 U.S.C. § 119

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

Certified copies:

a)☐ All b)☐ Some** c)☐ None of the:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

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

Attachment(s)

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

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

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

4) ☐ Other: _____.

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DETAILED ACTION

Status of Claims:

1. Claims 1 – 3, 5 – 9, 11, 13 – 16, and 18 – 22 are pending.

2. Claims 4, 10, 12, and 17 are cancelled.

3. The previous rejection has been withdrawn based on the applicant's arguments.

Notice of Pre-AIA or AIA Status

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

Response to Arguments

5. Applicant's arguments in the amendment filed 08/14/2018 have been fully considered. The arguments for independent claim 1 and dependent claim 20 are persuasive and a new grounds of rejection has been added based on the arguments. The arguments for independent claims 7 and 13 and dependent claim 14 however are not persuasive, the reasons set for the below.

Amendments:

Claim Rejections - 35 USC § 102

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

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

7. Claims 7 – 9, 11, 13 – 16, and 18 – 19, 21 – 22 are rejected under 35 U.S.C. 102(a)(1) as being anticipated by Loesch (US 8095967).

As per claim 7, a method for facilitating different categories of content to be displayed in different independent browser instances, the method comprising:

utilizing a processor in communication with a non-transitory tangible storage medium storing instructions that are executed by the processor to perform operations comprising:

accessing data defining rules for delegating web access **(The agent program checks to see if the web site URL entered by user into the web browser matches any of the web site URL's in the web site database, See Col. 4, Lines 14 - 46 and Col. 7, Lines 29 - 63)** associated with a first content class to a first browser type and delegating web access associated with a second content class to a second browser type **(If no match occurs, the agent program passes the URL entered to the standard browser, but prevents the user from sending any sign-on credentials to the web site identified by the entered URL. If a match occurs at, indicating that the entered URL is associated with a trusted site, the agent program activates the private browser, See Col. 7, Lines 29 - 63)**;

identifying a request to access an IP address by a first browser instance, the first browser instance being of the first browser type **(If no match occurs, the agent programs passes the URL to the standard browser and the remote server at the web site returns the requested web page, from which the agent program determines the IP address of the web site using the private browser, See Col. 7, Lines 29 - 63)**;

determining that the IP address is associated with the second content class such that the IP address should not be accessed by the first browser instance **(If a match occurs indicating that the entered URL is associated with a trusted site, the agent program activates the private browser and uses the IP address to determine if the site is trusted, See Col. 7, Lines 29 - 63)**; and

generating a second browser instance to access the IP address, the second browser instance being of the second browser type **(If the sign-on credentials are accepted by the web site, a user session is opened in the private browser, See Col. 7, Lines 29 - 63)**.

As per claim 8, the method of claim 7, wherein the second browser instance is launched automatically to a client device for display **(If a match occurs indicating that the entered URL is associated with a trusted site, the agent program activates the private browser, See Col. 7, Lines 29 - 63)**.

As per claim 9, the method of claim 7, further comprising: executing an API call configured to intercept a system call to a web server associated with the IP address, the system call initiated by the first browser instance **(The agent program includes a plug-in which is installed in the standard browser which is activated whenever a user enters a web site URL at step, or when a URL is invoked by clicking on a link or the like, See Col. 7, Lines 29 - 63)**.

As per claim 10, cancelled.

As per claim 11, the method of claim 7, further comprising: executing a tracer to determine whether or not a requested network object is allowed to be accessed by the first browser instance **(When a URL has been entered, at step the agent program compares the URL entered or invoked with the URL's stored in the user web site database, See Col. 7, Lines 29 - 63)**.

As per claim 12, cancelled.

As per claim 13, a non-transitory computer readable medium encoded with a set of instructions for facilitating different categories of content to be displayed in different independent browser instances, the set of instructions, executable by a processor, comprising:

accessing data associating a first web content class with a first browser type and a second web content class with a second browser type **(If no match occurs, the agent program passes the URL entered to the standard browser, but prevents the user from sending any sign-on credentials to the web site identified by the entered URL. If a match occurs at, indicating that the entered URL is associated with a trusted site, the agent program activates the private browser, See Col. 7, Lines 29 - 63)**;

accessing a request to access web content via a first browser instance, the first browser instance being of the first browser type **(The agent program includes a plug-in which is installed in the**

standard browser which is activated whenever a user enters a web site URL or when a URL is invoked by clicking on a link or the like, See Col. 7, Lines 29 - 63); and

comparing the web content to the first web content class and the second web content class to determine whether the web content is accessible to the first browser instance **(When a URL has been entered, at step the agent program compares the URL entered or invoked with the URL's stored in the user web site database, See Col. 7, Lines 29 - 63)**.

As per claim 14, the non-transitory computer readable medium of claim 13, further comprising: generating a second browser instance to access the web content, wherein the second browser instance is launched automatically to a client device for display **(If a match occurs indicating that the entered URL is associated with a trusted site, the agent program activates the private browser, See Col. 7, Lines 29 - 63)**.

As per claim 15, the non-transitory computer readable medium of claim 13, further comprising: executing an API call configured to intercept a system call to a web server, the system call associated with the first browser instance **(The agent program includes a plug-in which is installed in the standard browser which is activated whenever a user enters a web site URL at step, or when a URL is invoked by clicking on a link or the like, See Col. 7, Lines 29 - 63)**.

As per claim 16, the non-transitory computer readable medium of claim 13, further comprising: executing a tracer to determine whether or not the first browser instance is authorized to access a requested network **(When a URL has been entered, at step the agent program compares the URL entered or invoked with the URL's stored in the user web site database, See Col. 7, Lines 29 - 63)**.

As per claim 17, cancelled.

As per claim 18, the non-transitory computer readable medium of claim 13, wherein the second web content class is associated with sensitive information indicating that accessing the web content by the first

browser presents a security risk **(The user web site database stores URL's and IP addresses associated with selected trusted web sites, such as the financial web sites and may contain additional information about the web sites, such as textual and/or graphic information associated with pages of the web sites, See Col. 6, Lines 40 - 52)**.

As per claim 19, the system of claim 3, further comprising: wherein the processor is operable to pause operation associated with the first browser instance upon interception of the system call; and wherein the API controls system calls made by other programs and other browser instances **(The agent program includes a plug-in which is installed in the standard browser which is activated whenever a user enters a web site URL at step, or when a URL is invoked by clicking on a link or the like, See Col. 7, Lines 29 - 63)**.

As per claim 21, the non-transitory computer readable medium of claim 13, wherein the first web content class is associated with a first plurality of URLs and the second web content class is associated with a second plurality of URLs, the first plurality of URLs being different from the second plurality of URLs **(The user web site database stores URL's and IP addresses associated with selected trusted web sites, such as the financial web sites and may contain additional information about the web sites, such as textual and/or graphic information associated with pages of the web sites, See Col. 6, Lines 4 - 15)**.

As per claim 22, the non-transitory computer readable medium of claim 13, wherein the data further defines rules limiting web access by the first browser instance to URLs defined by the first web content class **(The agent program checks to see if the web site URL entered by user into the web browser matches any of the web site URL's in the web site database, See Col. 4, Lines 14 - 46 and Col. 7, Lines 29 - 63)**.

Claim Rejections - 35 USC § 103

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

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

9. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103 are summarized as follows:

1. Determining the scope and contents of the prior art.

2. Ascertaining the differences between the prior art and the claims at issue.

3. Resolving the level of ordinary skill in the pertinent art.

4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

10. Claims 1 – 3 and 5 – 6 are rejected under 35 U.S.C. 103 as being unpatentable over Loesch (US 8095967) and in view of Bauer (US 9418243).

As per claim 1, a system, comprising: a processor, operable to:

receive data defining about a first web content class and a second web content class, the first web content class defining a first plurality of Uniform Resource Locators (URLs) **(The agent program checks to see if the web site URL entered by user into the web browser matches any of the web site URL's in the web site database, See Col. 4, Lines 14 - 46 and Col. 7, Lines 29 - 63)**, and the second web content class defining a second plurality of URLs different than the first plurality of URLs, the second web content class further being associated with sensitive information presenting a security risk **(The user web site database stores URL's and IP addresses associated with selected trusted web sites, such as the financial web sites and may contain additional information about the web sites, such as textual and/or graphic information associated with pages of the web sites, See Col. 6, Lines 40 - 52)**;

generate a first browser instance, the first browser instance defining a browser instance type predetermined to be associated with the first web content class **(If no match is detected, no further action is taken by the agent program, and web site communication is handled by the user's standard or default web browser, See Col. 4, Lines 14 - 46 and Col. 7, Lines 29 - 63)**;

intercept a request to access web content from the first browser instance, the request defining a URL of the second plurality of URLs such that the web content is associated with the second web content class **(If a match is detected, the agent program starts the private browser. The private browser contacts the web site associated with the URL and waits for the remote server to return the requested web page to the private browser. Once the remote server has returned the requested web page to the private browser, the agent program determines the IP address of the remote server, See Col. 4, Lines 14 - 46 and Col. 7, Lines 29 - 63)**;

...

generate a second browser instance associated with the second web content class to provide access to the URL of the second plurality of URLs via the second browser instance **(If the IP address of the remote server matches one of the IP addresses associated with the web site URL in the web site database, the agent program retrieves the user's credentials from the password store and passes them to the private browser which in turn passes them to the web site, See Col. 4, Lines 14 - 46 and Col. 7, Lines 29 - 63)**.

Loesch, however does not expressly disclose:

confirm that the URL is not being accessed by an already-running browser instance associated with the second web content class.

Bauer discloses:

confirm that the URL is not being accessed by an already-running browser instance associated with the second web content class **(The system can determine whether private browsing mode is already activated in the current view of the browser. Responsive to determining that private browsing mode is already activated in the current view of the browser, the system can render the**

electronic document in the current view. Responsive to determining that private browsing mode is not activated in the current view of the browser, the system can create, e.g., open, a new view for the browser**, See Col. 6, Lines 23 – 42)**; and

It would have been obvious to an artisan of ordinary skill at the time of the Applicant's filing date to combine Bauer's teaching of confirming an URL is not being accessed by an already-running browser instance, along with generating a second browser instance to improve Loesch's system. Bauer's system includes confirming that an URL is not being accessed by an already-running browser instance such as a private browser. The combination is an improvement upon the existing system because when a request for a URL is determined, confirming that the URL is not being accessed by an already running private browser and generating a second browser instance provides a secure browser system for accessing restricted URL's.

As per claim 2, the system of claim 1, wherein the second browser is launched automatically for display, and the web content is associated with a web server **(**Loesch, If a match occurs indicating that the entered **URL** is associated with a trusted site, the agent program activates the **private browser, See Col. 7, Lines 29 - 63)**.

As per claim 3, the system of claim 2, wherein the processor is operable to execute an API call configured to intercept a system call to the web server, the system call to the server intended to provide access of the URL to the first browser instance **(**Loesch, The agent program includes a plug-in which is installed in the standard **browser** which is activated whenever a user enters a web site **URL** at step, or when a **URL** is invoked by clicking on a link or the like, **See Col. 7, Lines 29 - 63)**.

As per claim 4, cancelled.

As per claim 5, the system of claim 1, wherein the processor is operable to implement a tracer to determine whether or not a requested network object is allowed to be accessed by the first browser

instance (Loesch, When a **URL** has been entered, at step the agent program compares the **URL** entered or invoked with the **URL**'s stored in the user web site **database**, **See Col. 7, Lines 29 - 63)**.

As per claim 6, the system of claim 1, wherein the processor executes a daemon outside the first browser instance and the second browser instance that tracks active browser instance and launches new browser instances in order to manage web access according to the data defining the first web content class and the second web content class (Loesch, If no match occurs, the agent program (*daemon*) passes the **URL** entered to the standard **browser**, but prevents the user from sending any sign-on credentials to the web site identified by the entered **URL**. If a match occurs at, indicating that the entered **URL** is associated with a trusted site, the agent program activates the **private browser**, **See Col. 7, Lines 29 - 63)**.

11. Claim 20 is rejected under 35 U.S.C. 103 as being unpatentable over Loesch (US 8095967) and in view of Cross (US 8359402).

As per claim 20, Loesch discloses the method of claim 7, further comprising:

determining that the IP address is associated with the second content class (The remote server at the web site returns the requested web page, from which the agent program determines the **IP address** of the web site. The agent program compares the returned **IP address** to the stored **IP address** associated with the **URL** that was entered, **See Col. 7, Lines 29 - 63**); and

Loesch however does not expressly disclose:

generating a domain name system (DNS) query to resolve the IP address, issuing a DNS response, the IP address being rewritten in the DNS response to prevent the first browser instance from accessing the IP address and information of the second content class, and returning the IP address as rewritten to the first browser instance.

Cross disclose:

generating a domain name system (DNS) query to resolve the IP address (The client can send a DNS Query message to the DNS server. The DNS Query message can include an IP destination address of the DNS server and an IP source address of the client so that the DNS server knows where to send the response, See Col. 5, Lines 49 - 67);

…

issuing a DNS response, the IP address being rewritten in the DNS response to prevent the first browser instance from accessing the IP address and information of the second content class (The DNS server, in turn, can translate the domain name included in the DNS Query message into the numerical identifier (e.g., IP address) associated with www.acme.com., See Col. 5, Lines 49 - 67); and

returning the IP address as rewritten to the first browser instance (The numerical identifier is included in a DNS Response message that is sent back to the requesting client, See Col. 5, Lines 49 - 67).

It would have been obvious to an artisan of ordinary skill at the time of the Applicant's filing date to combine Cross' teaching of rewriting an IP address in a DNS response, along with generating a second browser instance to improve Loesch's system. Cross' system includes a DNS query which translates a domain name into an IP address and returns it in a DNS response message. The combination is an improvement upon the existing system because once it is determined that the IP address is not associated with a second content class requiring a second browser instance, a DNS response including the IP address returned back to the browser of the requesting client to provide a secure way to access sensitive information.

Remarks

12. Applicant's arguments, with regards to independent claims 7 and 13 and dependent claim 14 filed on 06/18/2013 have been fully considered but they are not persuasive. The current arguments are based

on independent claims 7 and 13 and dependent claim 14 which are present in the remarks by the applicant.

13. With respect to independent claim 7, Applicant argues that Loesch does not disclose "accessing data defining rules for delegating web access associated with a first content class to a first browser type and delegating web access associated with a second content class to a second browser type." Examiner responds that Loesch discloses that an agent program checks to see if an URL matches those stored on a database to determine which type of browser the URL should be delegated to based on a rule. If the agent program determines no URL match has been made, it is determined to be associated with first browser type which is the standard browser. However if there is a URL match, it is classified as a separate class requiring further security measures and is accessed on a second type of browser which is the private browser (Col. 4, Lines 14 - 46 and Col. 7, Lines 29 - 63).

14. With respect to independent claim 13, the argument is based on the same features discussed in claim 7 and therefore stands the same grounds of rejection.

15. With respect to dependent claim 14, Applicant argues that Loesch does not disclose "generating a second browser instance to access the web content, wherein the second browser instance is launched automatically to a client device for display". Examiner responds that Loesch discloses that based on an URL match of a trusted site which could be a considered a second content class since it is different content from the content that is allowed on a standard browser, the agent program activates the private browser which is done automatically based on the URL match (Col. 7, Lines 29 - 63).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to NAZIA NAOREEN whose telephone number is (571)270-7282. The examiner can normally be reached on M-F: 9:00 - 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kevin Bates can be reached on 571-272-3980. 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.

/NAZIA NAOREEN/
Examiner, Art Unit 2458

/KEVIN T BATES/
Supervisory Patent Examiner, Art Unit 2458

Notice of References Cited	Application/Control No. 14/563,712	Applicant(s)/Patent Under Reexamination BAZZI et al.	
	Examiner NAZIA NAOREEN	Art Unit 2458	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-9418243-B2	08-2016	Bauer; Bernhard	G06F21/6263	1/1
*	B	US-8359402-B2	01-2013	Cross; Matthew E.	H04L29/12066	709/233
	C					
	D					
	E					
	F					
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	J					
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	L					
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FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

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

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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14/563,712	BAZZI et al.
	Examiner	Art Unit
	NAZIA NAOREEN	2458

CPC - Searched*		
Symbol	**Date**	**Examiner**
H04L 67/02	12/12/2016	NN
G06F 21/53	12/12/2016	NN
G06F 21/6263	12/12/2016	NN

CPC Combination Sets - Searched*		
Symbol	**Date**	**Examiner**

US Classification - Searched*			
Class	**Subclass**	**Date**	**Examiner**
709	219	12/12/2016	NN
709	219	5/8/2017	NN
709	219	2/5/2018	NN
709	219	12/06/2018	NN

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

Search Notes		
Search Notes	**Date**	**Examiner**
Inventor and Assignee	12/12/2016	NN
EAST(US-PGPUB, USPAT, USOCR, FPRS, EPO, JPO, DERWENT, IBM TDB), Google search	12/12/2016	NN
Classification and Double Patenting	12/12/2016	NN
Updated Search	5/8/2017	NN
Updated Search	2/5/2018	NN
Updated Search	12/06/2018	NN

	/NAZIA NAOREEN/ Examiner.Art Unit 2458

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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
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	Examiner	Art Unit
	NAZIA NAOREEN	2458

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

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	NAZIA NAOREEN	2458

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

CLAIMS

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

CLAIM		DATE								
Final	Original	12/12/2016	05/08/2017	02/05/2018	12/06/2018					
	1	✓	✓	✓	✓					
	2	✓	✓	✓	✓					
	3	✓	✓	✓	✓					
	4	✓	✓	-	-					
	5	✓	✓	✓	✓					
	6	✓	✓	✓	✓					
	7	✓	✓	✓	✓					
	8	✓	✓	✓	✓					
	9	✓	✓	✓	✓					
	10	✓	✓	-	-					
	11	✓	✓	✓	✓					
	12	✓	✓	-	-					
	13	✓	✓	✓	✓					
	14	✓	✓	✓	✓					
	15	✓	✓	✓	✓					
	16	✓	✓	✓	✓					
	17	✓	✓	✓	✓					
	18	✓	✓	-	-					
	19		✓	✓	✓					
	20			✓	✓					
	21			✓	✓					
	22			✓	✓					

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EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	21950	709/219.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/12/12 12:25
S2	4844323	fresh browser instance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/12/12 12:27
S3	8	fresh browser instance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:27
S4	1	S1 and S3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:28
S5	69	secure browser and second near browser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:29
S6	1	S1 and S5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:30
S7	20	S5 AND ((G06F21/53 OR G06F21/6263 OR H04L67/02).CPC.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:31
S8	2	S3 AND ((G06F21/53 OR G06F21/6263 OR H04L67/02).CPC.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:32
S9	1	rida same bazzi.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:32
S10	675	arizona state university.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:33
S11	0	S9 and S10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:33
S12	2	rida same bazzi.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2017/05/08 18:20

S13	72	secure browser and second near browser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2017/05/08 18:21
S14	21	S13 AND ((G06F21/53 OR G06F21/6263 OR H04L67/02).CPC.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2017/05/08 18:21
S15	9	fresh browser instance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2017/05/08 18:21
S16	3	S15 AND ((G06F21/53 OR G06F21/6263 OR H04L67/02).CPC.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2017/05/08 18:21
S17	4991467	fresh browser instance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/05/08 18:21
S18	15960	browser and api near call	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2017/05/08 18:22
S19	14042	browser and api call	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2017/05/08 18:22
S20	65	browser and api system call	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2017/05/08 18:22
S21	2	rida same bazzi.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/02/05 14:53
S22	836	arizona state university.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/02/05 14:53
S23	0	S21 and S22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/02/05 14:53
S24	9	fresh browser instance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/02/05 14:53
S25	3	S24 AND ((G06F21/53 OR G06F21/6263 OR H04L67/02).CPC.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/02/05 14:53
S26	2	rida same bazzi.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/06 00:56
S27	967	arizona state university.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	ADJ	ON	2018/12/06 00:56

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			IBM_TDB			
S28	0	S26 and S27	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/06 00:56
S29	9	fresh browser instance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/06 00:57
S30	3	S29 AND ((G06F21/53 OR G06F21/6263 OR H04L67/02).CPC.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/06 00:57
S31	96	private browser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/07 14:38
S32	0	confirm near private browser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/07 14:39
S33	0	alreay running near private browser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/07 14:39
S34	0	running near private browser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/07 14:43
S35	1	private browser near open	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/07 14:48
S36	0	private browser same already open	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/07 14:51
S37	0	private browser and already open	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/07 14:51
S38	0	private browser same previous session	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/07 14:51
S39	4	private browser same previous	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/07 14:52
S40	3	private browser same already	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/07 14:55
S41	7	private brows$3 same already	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/07 14:59
S42	7571915	ip address same dns	US-PGPUB; USPAT;	OR	ON	2018/12/11

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		response	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			18:45
S43	1566	ip address same dns response	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/11 18:45
S44	35	ip address same dns response same rewrit$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/11 18:45
S45	175	ip address same dns response same browser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/11 19:51
S46	14	ip address near (resolve or resol$5) same dns response same browser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/11 20:04
S47	0	ip address same dns response and private browser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/11 20:27

12/ 11/ 2018 11:05:08 PM
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/563,712	12/08/2014	RIDA A. BAZZI	055743-483778	7752

27148 7590 04/11/2019

POLSINELLI PC
900 WEST 48TH PLACE
SUITE 900
KANSAS CITY, MO 64112-1895

EXAMINER	
NAOREEN, NAZIA	

ART UNIT	PAPER NUMBER
2458	

NOTIFICATION DATE	DELIVERY MODE
04/11/2019	ELECTRONIC

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

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

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patentdocketing@polsinelli.com
rendsley@polsinelli.com

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CrowdStrike EX1002 Page 354

Applicant-Initiated Interview Summary	**Application No.** 14/563,712	**Applicant(s)** BAZZI et al.		
	Examiner NAZIA NAOREEN	**Art Unit** 2458	**AIA (First Inventor to File) Status** Yes	**Page** **1 of** 2

All participants (applicant, applicants representative, PTO personnel):

1. NAZIA NAOREEN (Examiner); Telephonic
2. KEVIN BATES (SPE); Telephonic
3. TIMOTHY FONTES (Attorney); Telephonic
4. DANIEL WEISS (Attorney); Telephonic

Date of Interview: 08 April 2019

Claims Discussed: Claim 1

Prior Art Discussed: Bauer (US 9418243)

Brief Description of the main topic(s) of discussion: Applicant wanted to discuss prior art interpretation for the claim limitations.

Issues Discussed:

Item(s) under 35 U.S.C. 103:
Applicant wanted to discuss how the prior art was applied to the claim limitations. No agreements were reached. Amendments were discussed to help further prosecution.

/NAZIA NAOREEN/ Examiner, Art Unit 2458	/KEVIN T BATES/ Supervisory Patent Examiner, Art Unit 2458

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

Applicant recordation instructions: The formal written reply to the last Office action must include the substance of the interview. (See MPEP section 713.04). If a reply to the last Office action has already been filed, applicant is given a non-extendable period of the longer of one month or thirty days from this interview date, or the mailing date of this interview summary form, whichever is later, to file a statement of the substance of the interview

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

PTO/SB/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 14/563,712	Filing Date 12/08/2014	☐ To be Mailed

ENTITY: ☑ LARGE ☐ SMALL ☐ MICRO

APPLICATION AS FILED - PART I

	(Column 1)	(Column 2)			
FOR	NUMBER FILED	NUMBER EXTRA		RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A		N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A		N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*		x $80 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*		x $420 =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).				
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))					
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL	

APPLICATION AS AMENDED - PART II

		(Column 1)		(Column 2)	(Column 3)			
AMENDMENT	05/20/2019	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 18	Minus	** 20	= 0		x $100 =	0
	Independent (37 CFR 1.16(h))	* 3	Minus	*** 3	= 0		x $460 =	0
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEE	0

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

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.	LIE
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".	/PEGGY S YARBOROUGH/
*** 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.	

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.

Electronic Patent Application Fee Transmittal

Application Number:	14563712
Filing Date:	08-Dec-2014
Title of Invention:	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT
First Named Inventor/Applicant Name:	RIDA A. BAZZI
Filer:	Timothy D. Fontes/Sam Bethune
Attorney Docket Number:	055743-483778

Filed as Micro Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension - 2 months with $0 paid	3252	1	150	150
Miscellaneous:				
		Total in USD ($)		**150**

Electronic Acknowledgement Receipt	
EFS ID:	36064870
Application Number:	14563712
International Application Number:	
Confirmation Number:	7752
Title of Invention:	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT
First Named Inventor/Applicant Name:	RIDA A. BAZZI
Customer Number:	27148
Filer:	Timothy D. Fontes/Sam Bethune
Filer Authorized By:	Timothy D. Fontes
Attorney Docket Number:	055743-483778
Receipt Date:	20-MAY-2019
Filing Date:	08-DEC-2014
Time Stamp:	20:10:31
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$150
RAM confirmation Number	052119INTEFSW00006485501662
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Amendment Copy Claims/Response to Suggested Claims	Amendment_and_Response.pdf	56179 efa5035a28fc1c4ac411638cf494f260bb39ded3	no	11
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30686 9d092b303eeee117ccf54e558f8bc5f5202fc23e	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	86865		

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

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.
National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.
New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	Rida A. Bazzi	Examiner:	Nazia Naoreen
Serial No.:	14/563,712	Group Art Unit:	2458
Filed:	December 8, 2014	Confirmation No.:	7752

For: SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT

AMENDMENT & RESPONSE UNDER 37 C.F.R. §1.111

TO THE COMMISSIONER FOR PATENTS

Sir:

This paper is responsive to the non-final Office Action mailed on December 18, 2018. Please enter the following amendments and consider the remarks below in accordance with the Rules of Practice. A two-month extension of time including the official fee is being concurrently filed herewith to extend the period for response to May 18, 2019.

No further fees are believed to be due in connection with the filing of this paper; however, should any fees be deemed necessary, the commissioner is hereby authorized to deduct any such fees from **Deposit Account No. 50-1662** referencing the above docket number.

Amendments to the claims are reflected in the listing that begins at page 2 of this paper.

Remarks begin at page 7 of this paper.

CLAIM AMENDMENTS

Please amend the claims as follows:

1. (Currently amended) A system, comprising:

a processor, operable to:

receive data defining a first web content class and a second web content class, the first web content class defining a first plurality of Uniform Resource Locators (URLs), and the second web content class defining a second plurality of URLs different than the first plurality of URLs, the second web content class further being associated with sensitive information presenting a security risk;

generate a first browser instance, the first browser instance defining a browser instance type predetermined to be associated with the first web content class;

intercept a request to access web content from the first browser instance, the request defining a URL of the second plurality of URLs such that the web content is associated with the second web content class;

confirm that the URL is not being accessed by <u>another separate</u> [[an]] already-running browser instance associated with the second web content class<u>, by</u>

<u>implementing a daemon outside the first browser instance that tracks active browser instances and launches a new browser in order to manage web access according to the data defining the first web content class and the second web content class,</u>

<u>receiving the request via a browser extension associated with the first browser instance,</u>

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forwarding the request from the browser extension to the daemon using a native application,

confirming, via the daemon that the web content is not associated with the first web content class and that another browser instance is not already launched and available to access the web content; and

launch ~~generate~~ a new ~~second~~ browser ~~instance~~ for accessing ~~associated with~~ the web content associated with the second web content class to provide access to the URL of the second plurality of URLs via the new ~~second~~ browser ~~instance~~.

2. (Currently amended) The system of claim 1, wherein the new ~~second~~ browser instance is launched automatically for display, and the web content is associated with a web server.

3. (Previously presented) The system of claim 2, wherein the processor is operable to execute an API call configured to intercept a system call to the web server, the system call to the web server intended to provide access of the URL to the first browser instance.

4. (Canceled)

5. (Previously presented) The system of claim 1, wherein the processor is operable to implement a tracer to determine whether or not a requested network object is allowed to be accessed by the first browser instance.

6. (Currently amended) The system of claim 1, wherein the daemon comprises a multi-threaded C program that uses Unix domain sockets to communicate with the browser extension and other extensions ~~processor executes a daemon outside the first browser instance and the second browser instance that tracks~~

~~active browser instances and launches new browser instances in order to manage web access according to the data defining the first web content class and the second web content class~~.

7. (Currently amended) A method for facilitating different categories of content to be displayed in different independent browser instances, the method comprising:

utilizing a processor in communication with a non-transitory tangible storage medium storing instructions that are executed by the processor to perform operations comprising:

accessing data defining rules for delegating web access associated with a first content class to a first browser type and delegating web access associated with a second content class to a second browser type;

identifying a request to access an IP address by a first browser instance, the first browser instance being of the first browser type;

determining that the IP address is associated with the second content class such that the IP address should not be accessed by the first browser instance and confirming that a separate browser instance is not already in use and available to access the request, by:

implementing a daemon, the daemon comprising a multi-threaded program executed outside the first browser instance that tracks active browser instances and launches a new browser instance in order to manage according to the rules,

receiving the request via a browser extension associated with the first browser instance,

forwarding the request from the browser extension to the daemon using domain sockets; and

generating a second browser instance to access the IP address, the second browser instance being of the second browser type.

8. (Previously presented) The method of claim 7, wherein the second browser instance is launched automatically to a client device for display.

9. (Previously presented) The method of claim 7, further comprising:
executing an API call configured to intercept a system call to a web server associated with the IP address, the system call initiated by the first browser instance.

10. (Canceled)

11. (Previously presented) The method of claim 7, further comprising:
executing a tracer to determine whether or not a requested network object is allowed to be accessed by the first browser instance.

12. (Canceled)

13. (Currently amended) A non-transitory computer readable medium encoded with a set of instructions for facilitating different categories of content to be displayed in different independent browser instances, the set of instructions, executable by a processor, comprising:
accessing data associating a first web content class with a first browser type and a second web content class with a second browser type;
accessing a request to access web content via a first browser instance, the first browser instance being of the first browser type; and
comparing the web content to the first web content class and the second web content class to determine whether the web content is accessible to the first browser instance, by

implementing a daemon, the daemon comprising a multi-threaded program executed outside the first browser instance that tracks active browser instances and launches a new browser instance in order to manage according to the rules,

receiving the request via a browser extension associated with the first browser instance,

forwarding the request from the browser extension to the daemon using domain sockets.

14. (Previously presented) The non-transitory computer readable medium of claim 13, further comprising:

generating a second browser instance to access the web content,

wherein the second browser instance is launched automatically to a client device for display.

15. (Previously presented) The non-transitory computer readable medium of claim 13, further comprising:

executing an API call configured to intercept a system call to a web server, the system call associated with the first browser instance.

16. (Previously presented) The non-transitory computer readable medium of claim 13, further comprising:

executing a tracer to determine whether or not the first browser instance is authorized to access a requested network.

17. (Canceled)

18. (Previously presented) The non-transitory computer readable medium of claim 13, wherein the second web content class is associated with sensitive

information indicating that accessing the web content by the first browser instance presents a security risk.

19. (Previously presented) The system of claim 3, further comprising:
wherein the processor is operable to pause operations associated with the first browser instance upon interception of the system call; and
wherein the API controls system calls made by other programs and other browser instances.

20. (Previously presented) The method of claim 7, further comprising:
generating a domain name system (DNS) query to resolve the IP address;
determining that the IP address is associated with the second content class; and
issuing a DNS response, the IP address being rewritten in the DNS response to prevent the first browser instance from accessing the IP address and information of the second content class; and
returning the IP address as rewritten to the first browser instance.

21. (Previously presented) The non-transitory computer readable medium of claim 13, wherein the first web content class is associated with a first plurality of URLs and the second web content class is associated with a second plurality of URLs, the first plurality of URLs being different from the second plurality of URLs.

22. (Previously presented) The non-transitory computer readable medium of claim 13, wherein the data further defines rules limiting web access by the first browser instance to URLs defined by the first web content class.

REMARKS

This paper responds to the Examiner's Non-Final Office Action mailed on December 18, 2018. Reconsideration and continued examination in view of the foregoing response is respectfully requested.

Status of Claims

Claims 1–3, 5–9, 11, 13–16, and 18–22 are pending, with claims 1, 7, and 13 being independent. Claims 4, 10, 12, and 17 have been cancelled. Claims 1, 2, 6, 7, and 13 are hereby amended. No new subject matter has been added.

Examiner Interview

The Applicants thank the Examiner for conducting an interview with counsel for the Applicants on April 8, 2019. During the Examiner Interview, possible claim amendments were discussed in view of the presently recited references.

The Applicants have submitted claim amendments and remarks to attempt to overcome the prior art rejections consistent with the above Examiner Interview.

102 and 103 Rejections (Loesch, Bauer, and Cross)

The Examiner rejected claims 7-9, 13-16, 18-19, and 21-22 under 35 U.S.C. §102(a)(1) as being anticipated by U.S. Patent No. 8,095,967 to Loesch ("Loesch"). The Examiner rejected claims 1-3 and 5-6 under pre-AIA 35 U.S.C. §103 as being unpatentable over Loesch and in view of U.S. Patent No. 9,418,243 to Bauer ("Bauer"). The Examiner rejected claim 20 under pre-AIA 35 U.S.C. §103(a) as being unpatentable over U.S. Patent No. 8,359,402 to Cross ("Cross"). The Applicants respectfully traverse these rejections, especially in view of the present amendments to the claims.

The Applicants have amended independent claim 1 to recite the following claim features:

confirm that the URL is not being accessed by another separate already-running browser instance associated with the second web content class, by

implementing a daemon outside the first browser instance that tracks active browser instances and launches a new browser in order to manage web access according to the data defining the first web content class and the second web content class,

receiving the request via a browser extension associated with the first browser instance,

forwarding the request from the browser extension to the daemon using a native application,

confirming, via the daemon that the web content is not associated with the first web content class and that another browser instance is not already launched and available to access the web content; and

launch a new browser for accessing the web content associated with the second web content class to provide access to the URL of the second plurality of URLs via the new browser.

The claim amendments are supported by paragraph [0055] and paragraphs [0069]-[0070] of the subject application. As shown, the amendments clarify the implementation of the daemon described in the subject application. **Use of the daemon as recited and described is believed to be absent from the cited prior art references**, and as described during the Examiner Interview, is one of the ways the Applicants propose to manage content requests among a plurality of different browser types. All of the independent claims now recite more clarifying features regarding how the daemon is implemented to manage content including confirming/determining that a browser is not already being executed for accessing content of a particular class – features which are believed to be absent from the cited references.

Moreover, the Applicants maintain the Loesch and Bauer references fail to disclose the features of a processor operable to "confirm that the URL is not being accessed by another separate already-running browser instance associated with the second web content class." For example, the Office Action identifies citations to Col. 4, lines 14-16 and Col. 7, lines 29-63 of Loesch as allegedly disclosing these features prior to the subject amendments. The Applicants respectfully disagree.

The citations identified by the Office Action deal with the broad multi-step method of website authentication disclosed in Loesch. However, the citations do not disclose *confirming that a URL is not already being accessed by another separate browser instance*. For example, Loesch does not disclose confirming that a prior instance of its private browser 46 is already running before implementing the same. In contrast, as highlighted in the specification in support of the subject features, "the daemon is a multi-threaded C program that uses Unix Domain Sockets to communicate with browser extensions. It is responsible for deciding how to handle restricted URLs by **either dispatching it to an already-running instance** that is allowed to access the URL or creating a fresh new instance.[1]" The Bauer reference fails to disclose the subject features because the Bauer reference teaches rendering the content in the same reporting browser instance, and not a separate/new browser, and Bauer does not implement the recited confirmation step.

In view of the foregoing, the Applicants submit the Loesch, Bauer, and Cross references do not disclose alone or in combination all of the features of the independent claims and consequently. Therefore, the Applicants respectfully request withdrawal of the 102 and 103 rejections and indication of allowance.

[1] *See* paragraph [0070] of the subject application.

CONCLUSION

By the present response, the Applicants respectfully submit that the claims are in a condition for allowance, and notification to that effect is earnestly requested. The Examiner is invited to telephone Applicants' representative at (602) 650-2096 to facilitate prosecution of this application. If necessary, please charge any additional fees or credit overpayment to Deposit Account No. 50-1662.

Respectfully submitted,

POLSINELLI PC

Date: May 20, 2019

By: /Timothy D. Fontes/

Timothy D. Fontes, Reg. No.: 70,801
One E. Washington Street, Suite 1200
Phoenix, AZ 85004
Direct Phone: (602) 650-2096
E-Mail: uspto@polsinelli.com
Attorney for Applicants

UNITED STATES PATENT AND TRADEMARK OFFICE

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

NOTICE OF ALLOWANCE AND FEE(S) DUE

27148 7590 09/05/2019

POLSINELLI PC
900 WEST 48TH PLACE
SUITE 900
KANSAS CITY, MO 64112-1895

EXAMINER	
NAOREEN, NAZIA	
ART UNIT	PAPER NUMBER
2458	

DATE MAILED: 09/05/2019

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/563,712	12/08/2014	RIDA A. BAZZI	055743-483778	7752

TITLE OF INVENTION: SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	MICRO	$250	$0.00	$0.00	$250	12/05/2019

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

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

HOW TO REPLY TO THIS NOTICE:

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

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

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

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

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

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

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

PTOL-85 (Rev. 02/11)

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PART B - FEE(S) TRANSMITTAL

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

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

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

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

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

27148 7590 09/05/2019
POLSINELLI PC
900 WEST 48TH PLACE
SUITE 900
KANSAS CITY, MO 64112-1895

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

Certificate of Mailing or Transmission

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

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/563,712	12/08/2014	RIDA A. BAZZI	055743-483778	7752

TITLE OF INVENTION: SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	MICRO	$250	$0.00	$0.00	$250	12/05/2019

EXAMINER	ART UNIT	CLASS-SUBCLASS
NAOREEN, NAZIA	2458	709-219000

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

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

❑ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-09 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list
(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 _____
2 _____
3 _____

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

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

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

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

4a. Fees submitted: ❑ Issue Fee ❑ Publication Fee (if required) ❑ Advance Order - # of Copies _____

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

❑ Electronic Payment via EFS-Web ❑ Enclosed check ❑ Non-electronic payment by credit card (Attach form PTO-2038)

❑ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. _____

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

❑ Applicant certifying micro entity status. See 37 CFR 1.29

❑ Applicant asserting small entity status. See 37 CFR 1.27

❑ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.
NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.
NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

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

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

PTOL-85 Part B (08-18) Approved for use through 01/31/2020 OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/563,712	12/08/2014	RIDA A. BAZZI	055743-483778	7752

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KANSAS CITY, MO 64112-1895

EXAMINER	
NAOREEN, NAZIA	
ART UNIT	PAPER NUMBER
2458	

DATE MAILED: 09/05/2019

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

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

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

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

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

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

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

Privacy Act Statement

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

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

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

Notice of Allowability	**Application No.** 14/563,712	**Applicant(s)** BAZZI et al.	
	Examiner NAZIA NAOREEN	**Art Unit** 2458	**AIA (FITF) Status** Yes

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

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

1. ☑ This communication is responsive to 05/20/2019.
   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

3. ☑ The allowed claim(s) is/are 1-3,5-9,11-16 and 18-22 . As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see **http://www.uspto.gov/patents/init_events/pph/index.jsp** or send an inquiry to **PPHfeedback@uspto.gov.**

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

   Certified copies:

   a) ☐ All b) ☐ Some *c) ☐ None of the:

   1. ☐ Certified copies of the priority documents have been received.
   2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
   3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____ .

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

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

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

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

Attachment(s)

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

/NAZIA NAOREEN/ Examiner, Art Unit 2458	/KEVIN T BATES/ Supervisory Patent Examiner, Art Unit 2458

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CrowdStrike EX1002 Page 377

DETAILED ACTION

Status of Claims:

1. Claims 1 – 3, 5 – 9, 11 – 16, and 18 – 22 are allowed over prior art of record.

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

Notice of Pre-AIA or AIA Status

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

Claim Rejections - 35 USC § 102

4. The 35 USC §102 rejection of claims 7 – 9,11,13 – 16, and 18 – 19, 21 – 22 are hereby withdrawn in light of the applicant's amendments and arguments. See remarks, filed May 20, 2019 pp. 8 – 11.

Claim Rejections - 35 USC § 103

5. The 35 USC §103 rejection of claims 1 – 3, 5 – 6, and 20 are hereby withdrawn in light of the applicant's amendments and arguments. See remarks, filed May 20, 2019 pp. 8 – 11.

Allowable Subject Matter

6. Claims 1 – 3, 5 – 9, 11 – 16, and 18 – 22 are allowed.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to NAZIA NAOREEN whose telephone number is (571)270-7282. The examiner can normally be reached on M-F: 9:00 - 6:00.

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

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kevin Bates can be reached on 571-272-3980. 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.

/NAZIA NAOREEN/
Examiner, Art Unit 2458

/KEVIN T BATES/
Supervisory Patent Examiner, Art Unit 2458

Notice of References Cited	Application/Control No. 14/563,712	Applicant(s)/Patent Under Reexamination BAZZI et al.	
	Examiner NAZIA NAOREEN	Art Unit 2458	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-20110167492-A1	07-2011	Ghosh; Anup K.	G06F9/54	726/23
*	B	US-20130239231-A1	09-2013	Korycki; Jacek	H04L67/34	726/29
*	C	US-20080250159-A1	10-2008	Wang; Yi-Min	G06F21/6218	709/239
	D					
	E					
	F					
	G					
	H					
	I					
	J					
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

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

IPR2025-01400
CrowdStrike EX1002 Page 380

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14/563,712	BAZZI et al.
	Examiner	**Art Unit**
	NAZIA NAOREEN	2458

CPC								
Symbol							**Type**	**Version**
H04L	/	67	/	02			F	2013-01-01
G06F	/	21	/	6263			I	2013-01-01
G06F	/	21	/	52			I	2013-01-01

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

/NAZIA NAOREEN/ Examiner, Art Unit 2458	30 August 2019	**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	18	
/KEVIN T BATES/ Supervisory Patent Examiner, Art Unit 2458	30 August 2019	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	6

U.S. Patent and Trademark Office — Part of Paper No.: 20190830

IPR2025-01400
CrowdStrike EX1002 Page 381

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14/563,712	BAZZI et al.
	Examiner	**Art Unit**
	NAZIA NAOREEN	2458

INTERNATIONAL CLASSIFICATION				
CLAIMED				
H04L	/	29	/	08
G06F	/	21	/	52
G06F	/	21	/	62

NON-CLAIMED				
	/		/	

US ORIGINAL CLASSIFICATION	
CLASS	**SUBCLASS**
709	219

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

/NAZIA NAOREEN/ Examiner, Art Unit 2458	30 August 2019	**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	18	
/KEVIN T BATES/ Supervisory Patent Examiner, Art Unit 2458	30 August 2019	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	6

U.S. Patent and Trademark Office — Part of Paper No.: 20190830

IPR2025-01400
CrowdStrike EX1002 Page 382

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14/563,712	BAZZI et al.
	Examiner	**Art Unit**
	NAZIA NAOREEN	2458

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

CLAIMS

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1		10	4	19										
2	2	10	11	11	20										
3	3		12	17	21										
	4	12	13	18	22										
5	5	13	14												
6	6	14	15												
7	7	15	16												
8	8		17												
9	9	16	18												

/NAZIA NAOREEN/ Examiner, Art Unit 2458	30 August 2019	**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	18	
/KEVIN T BATES/ Supervisory Patent Examiner, Art Unit 2458	30 August 2019	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	6

U.S. Patent and Trademark Office — Part of Paper No.: 20190830

IPR2025-01400
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Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14/563,712	BAZZI et al.
	Examiner	**Art Unit**
	NAZIA NAOREEN	2458

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

CLAIMS

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

CLAIM		DATE								
Final	Original	12/12/2016	05/08/2017	02/05/2018	12/06/2018	08/30/2019				
1	1	✓	✓	✓	✓	=				
2	2	✓	✓	✓	✓	=				
3	3	✓	✓	✓	✓	=				
	4	✓	✓	-	-	-				
5	5	✓	✓	✓	✓	=				
6	6	✓	✓	✓	✓	=				
7	7	✓	✓	✓	✓	=				
8	8	✓	✓	✓	✓	=				
9	9	✓	✓	✓	✓	=				
	10	✓	✓	-	-	-				
10	11	✓	✓	✓	✓	=				
	12	✓	✓	-	-	-				
12	13	✓	✓	✓	✓	=				
13	14	✓	✓	✓	✓	=				
14	15	✓	✓	✓	✓	=				
15	16	✓	✓	✓	✓	=				
	17	✓	✓	-	-	-				
16	18	✓	✓	✓	✓	=				
4	19		✓	✓	✓	=				
11	20			✓	✓	=				
17	21			✓	✓	=				
18	22			✓	✓	=				

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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14/563,712	BAZZI et al.
	Examiner	Art Unit
	NAZIA NAOREEN	2458

CPC - Searched*		
Symbol	**Date**	**Examiner**
H04L 67/02	12/12/2016	NN
G06F 21/53	12/12/2016	NN
G06F 21/6263	12/12/2016	NN

CPC Combination Sets - Searched*		
Symbol	**Date**	**Examiner**

US Classification - Searched*			
Class	**Subclass**	**Date**	**Examiner**
709	219	12/12/2016	NN
709	219	5/8/2017	NN
709	219	2/5/2018	NN
709	219	12/06/2018	NN

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

Search Notes		
Search Notes	**Date**	**Examiner**
Inventor and Assignee	12/12/2016	NN
EAST(US-PGPUB, USPAT, USOCR, FPRS, EPO, JPO, DERWENT, IBM TDB), Google search	12/12/2016	NN
Classification and Double Patenting	12/12/2016	NN
Updated Search	5/8/2017	NN
Updated Search	2/5/2018	NN
Updated Search	12/06/2018	NN
Updated Search	08/30/2019	NN

	/NAZIA NAOREEN/ Examiner.Art Unit 2458

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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14/563,712	BAZZI et al.
	Examiner	Art Unit
	NAZIA NAOREEN	2458

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
	Text Search US PG-PUB	08/30/2019	NN

	/NAZIA NAOREEN/ Examiner.Art Unit 2458

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EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	14	daemon same browser instances	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2019/08/30 13:07
L23	3	((("BAZZI") near3 ("RIDA")) OR (("ZOHREVANDI") near3 ("MOHSEN"))).INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2019/08/30 13:20
L24	18	((("THE") near3 ("ARIZONA") near3 ("BOARD") near3 ("OF") near3 ("REGENTS") near3 ("FOR") near3 ("AND") near3 ("ON") near3 ("BEHALF") near3 ("OF") near3 ("ARIZONA") near3 ("STATE") near3 ("UNIVERSITY"))).AS,AANM.	USPAT	ADJ	ON	2019/08/30 13:20
S1	21950	709/219.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/12/12 12:25
S2	4844323	fresh browser instance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/12/12 12:27
S3	8	fresh browser instance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:27
S4	1	S1 and S3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:28
S5	69	secure browser and second near browser	US-PGPUB; USPAT; USOCR;	ADJ	ON	2016/12/12 12:29

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S6	1	S1 and S5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:30
S7	20	S5 AND ((G06F21/53 OR G06F21/6263 OR H04L67/02).CPC.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:31
S8	2	S3 AND ((G06F21/53 OR G06F21/6263 OR H04L67/02).CPC.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:32
S9	1	rida same bazzi.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:32
S10	675	arizona state university.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:33
S11	0	S9 and S10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:33
S12	2	rida same bazzi.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2017/05/08 18:20
S13	72	secure browser and second near browser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2017/05/08 18:21
S14	21	S13 AND ((G06F21/53 OR	US-PGPUB;	ADJ	ON	2017/05/08

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		G06F21/6263 OR H04L67/02).CPC.)	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			18:21
S15	9	fresh browser instance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2017/05/08 18:21
S16	3	S15 AND ((G06F21/53 OR G06F21/6263 OR H04L67/02).CPC.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2017/05/08 18:21
S17	4991467	fresh browser instance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/05/08 18:21
S18	15960	browser and api near call	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2017/05/08 18:22
S19	14042	browser and api call	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2017/05/08 18:22
S20	65	browser and api system call	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2017/05/08 18:22
S21	2	rida same bazzi.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/02/05 14:53
S22	836	arizona state university.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	ADJ	ON	2018/02/05 14:53

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			IBM_TDB			
S23	0	S21 and S22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/02/05 14:53
S24	9	fresh browser instance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/02/05 14:53
S25	3	S24 AND ((G06F21/53 OR G06F21/6263 OR H04L67/02).CPC.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/02/05 14:53
S26	2	rida same bazzi.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/06 00:56
S27	967	arizona state university.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/06 00:56
S28	0	S26 and S27	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/06 00:56
S29	9	fresh browser instance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/06 00:57
S30	3	S29 AND ((G06F21/53 OR G06F21/6263 OR H04L67/02).CPC.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/06 00:57
S31	96	private browser	US-PGPUB; USPAT; USOCR; FPRS; EPO;	ADJ	ON	2018/12/07 14:38

			JPO; DERWENT; IBM_TDB			
S32	0	confirm near private browser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/07 14:39
S33	0	alreay running near private browser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/07 14:39
S34	0	running near private browser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/07 14:43
S35	1	private browser near open	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/07 14:48
S36	0	private browser same already open	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/07 14:51
S37	0	private browser and already open	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/07 14:51
S38	0	private browser same previous session	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/07 14:51
S39	4	private browser same previous	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/07 14:52
S40	3	private browser same already	US-PGPUB; USPAT;	ADJ	ON	2018/12/07 14:55

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			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S41	7	private brows$3 same already	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/07 14:59
S42	7571915	ip address same dns response	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/12/11 18:45
S43	1566	ip address same dns response	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/11 18:45
S44	35	ip address same dns response same rewrit$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/11 18:45
S45	175	ip address same dns response same browser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/11 19:51
S46	14	ip address near (resolve or resol$5) same dns response same browser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/11 20:04
S47	0	ip address same dns response and private browser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/11 20:27
S48	3037	daemon same browser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2019/08/30 02:18

S50	21	daemon same browser window	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2019/08/30 02:19
S51	21	daemon same browser windows	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2019/08/30 02:23
S52	2	daemon same active browser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2019/08/30 02:25
S53	5	background process same browser instance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2019/08/30 02:26
S54	28	background process same browser window	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2019/08/30 02:27
S55	0	background process same launch$3 near browser window	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2019/08/30 02:29
S56	1	background process same new near browser window	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2019/08/30 02:29
S57	63	(private or secure) browser and daemon	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2019/08/30 02:30
S58	30	(private or secure) browser and background process	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	ADJ	ON	2019/08/30 02:37

			DERWENT; IBM_TDB			
S59	28	(private or secure) browser and background application	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2019/08/30 02:39
S60	2	track$3 near active browser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2019/08/30 02:41
S61	9	daemon same launch browser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2019/08/30 02:44
S62	13	daemon same launch$3 near browser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2019/08/30 02:44

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	0	(class and browser instance and daemon).clm.	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:13
L3	4	(class and browser instance).clm.	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:13
L4	0	(class and browser instance and new browser).clm.	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:14
L5	0	(class and browser instance and url).clm.	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:15
L6	0	(class and browser instance and security).clm.	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:15
L7	0	(class and browser instance and secure).clm.	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:15
L8	12	(browser instance and secure).clm.	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:15
L9	31	(browser instance and url).clm.	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:15

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L10	7	(browser instance and new browser).clm.	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:15
L11	18	(browser instance and security).clm.	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:16
L12	201	"S29" AND ((G06F21/53 OR G06F21/6263 OR H04L67/02).CPC.)	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:16
L13	17	l9 AND ((G06F21/53 OR G06F21/6263 OR H04L67/02).CPC.)	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:16
L14	8	l8 AND ((G06F21/53 OR G06F21/6263 OR H04L67/02).CPC.)	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:16
L15	6	l10 AND ((G06F21/53 OR G06F21/6263 OR H04L67/02).CPC.)	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:17
L16	7	l11 AND ((G06F21/53 OR G06F21/6263 OR H04L67/02).CPC.)	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:17
L17	6	l8 AND ((H04L29/08 OR G06F21/52 OR G06F21/62).IPC.)	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:18
L18	7	l9 AND ((H04L29/08 OR G06F21/52 OR G06F21/62).IPC.)	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:18
L19	1	l10 AND ((H04L29/08 OR G06F21/52 OR G06F21/62).IPC.)	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:18
L20	3	l11 AND ((H04L29/08 OR G06F21/52 OR G06F21/62).IPC.)	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:18
L25	3	((("BAZZI") near3 ("RIDA")) OR (("ZOHREVANDI") near3 ("MOHSEN"))).INV.	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:20
L26	51	((("THE") near3 ("ARIZONA") near3 ("BOARD") near3 ("OF") near3 ("REGENTS") near3 ("FOR") near3 ("AND") near3 ("ON") near3 ("BEHALF") near3 ("OF") near3 ("ARIZONA") near3 ("STATE") near3 ("UNIVERSITY"))).AS,AANM.	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:20
L27	2	25 and 26	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:21

8/30/2019 1:21:44 PM
C:\Users\nnaoreen\Documents\EAST\Workspaces\14563712.wsp

IPR2025-01400
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Bibliographic Data

Application No: 14/563,712

Foreign Priority claimed: ○ Yes ◉ No

35 USC 119 (a-d) conditions met: ☐ Yes ☑ No ☐ Met After Allowance

Verified and Acknowledged: Nazia Naoreen (Examiner's Signature) | (Initials)

Title: SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
12/08/2014	709	2458	055743-483778
RULE			

APPLICANTS

The Arizona Board of Regents for and on Behalf of Arizona State University, Tempe, AZ, UNITED STATES

INVENTORS

RIDA A. BAZZI Scottsdale, AZ, UNITED STATES

MOHSEN ZOHREVANDI Tempe, AZ, UNITED STATES

CONTINUING DATA

This application has PRO of 61912716 12/06/2013

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

02/12/2015

**** MICRO ENTITY ****

STATE OR COUNTRY

UNITED STATES

ADDRESS

POLSINELLI PC
900 WEST 48TH PLACE
SUITE 900
KANSAS CITY, MO 64112-1895
UNITED STATES

FILING FEE RECEIVED

$435

PTO/SB/30 (11-17)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Request for Continued Examination (RCE) Transmittal

Address to:
Mail Stop RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Application Number	14/563,712
Filing Date	December 8, 2014
First Named Inventor	Rida A. Bazzi
Art Unit	2458
Examiner Name	Nazia Naoreen
Attorney Docket Number	055743-483778 M14-061P

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.
Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. See Instruction Sheet for RCEs (not to be submitted to the USPTO) on page 2.

1. Submission required under 37 CFR 1.114 Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

   a. ☐ Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.

      i. ☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____

      ii. ☐ Other _____

   b. ☑ Enclosed

      i. ☑ Amendment/Reply
      ii. ☐ Affidavit(s)/ Declaration(s)
      iii. ☑ Information Disclosure Statement (IDS)
      iv. ☐ Other _____

2. Miscellaneous

   a. ☐ Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of _____ months. (Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)

   b. ☐ Other _____

3. Fees The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.

   a. ☑ The Director is hereby authorized to charge the following fees, any underpayment of fees, or credit any overpayments, to Deposit Account No. 501662.

      i. ☑ RCE fee required under 37 CFR 1.17(e)
      ii. ☐ Extension of time fee (37 CFR 1.136 and 1.17)
      iii. ☑ Other fee for Information Disclosure Statement

   b. ☐ Check in the amount of $ _____ enclosed

   c. ☐ Payment by credit card (Form PTO-2038 enclosed)
   d. ☐ Payment by EFS-Web

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.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

Signature	/Ari M. Bai/	Date	2019-10-01
Name (Print/Type)	Ari M. Bai	Registration No.	38726

CERTIFICATE OF MAILING OR TRANSMISSION

I hereby certify that this correspondence is being EFS-Web transmitted to the United States Patent and Trademark Office (USPTO), deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop RCE, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 or facsimile transmitted to the USPTO on the date shown below.

Signature			
Name (Print/Type)		Date	

This collection of information is required by 37 CFR 1.114. 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: Mail Stop RCE, 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/30 (07-09)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Instruction Sheet for RCEs

(not to be submitted to the USPTO)

NOTES:

An RCE is not a new application, and filing an RCE will not result in an application being accorded a new filing date.

Filing Qualifications:

The application must be a utility or plant application filed on or after June 8, 1995. The application cannot be a provisional application, a utility or plant application filed before June 8, 1995, a design application, or a patent under reexamination. See 37 CFR 1.114(e).

Filing Requirements:

Prosecution in the application must be closed. Prosecution is closed if the application is under appeal, or the last Office action is a final action, a notice of allowance, or an action that otherwise closes prosecution in the application (e.g., an Office action under *Ex parte Quayle*). See 37 CFR 1.114(b).

A submission and a fee are required at the time the RCE is filed. If reply to an Office action under 35 U.S.C. 132 is outstanding (e.g., the application is under final rejection), the submission must meet the reply requirements of 37 CFR 1.111. If there is no outstanding Office action, the submission can be an information disclosure statement, an amendment, new arguments, or new evidence. See 37 CFR 1.114(c). The submission may be a previously filed amendment (e.g., an amendment after final rejection).

WARNINGS:

Request for Suspension of Action:

All RCE filing requirements must be met before suspension of action is granted. A request for a suspension of action under 37 CFR 1.103(c) does not satisfy the submission requirement and does not permit the filing of the required submission to be suspended.

Improper RCE will NOT toll Any Time Period:

Before Appeal - If the RCE is improper (e.g., prosecution in the application is not closed or the submission or fee has not been filed) and the application is not under appeal, the time period set forth in the last Office action will continue to run and the application will be abandoned after the statutory time period has expired if a reply to the Office action is not timely filed. No additional time will be given to correct the improper RCE.

Under Appeal - If the RCE is improper (e.g., the submission or the fee has not been filed) and the application is under appeal, the improper RCE is effective to withdraw the appeal. Withdrawal of the appeal results in the allowance or abandonment of the application depending on the status of the claims. If there are no allowed claims, the application is abandoned. If there is at least one allowed claim, the application will be passed to issue on the allowed claim(s). See MPEP 1215.01.

See MPEP 706.07(h) for further information on the RCE practice.

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

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

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	Rida A. Bazzi	Examiner:	Nazia Naoreen
Serial No.:	14/563,712	Group Art No.:	2458
Filed:	December 8, 2014	Confirmation No.:	7752

For: SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT

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

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Dear Sir:

In accordance with 37 C.F.R. 1.97 and 1.98 and MPEP 609, and in compliance with the duty of disclosure set forth in 37 C.F.R. 1.56, Applicants submit the attached PTO/SB/08 Information Disclosure Statement forms for consideration by the United States Patent and Trademark Office in the above-entitled application and to be made of record therein.

All non-patent literature references are submitted herewith except non-patent literature reference numbers 12 and 32 which are books.

However, if an Office action was issued prior to the date of mailing of this Information Disclosure Statement, the Commissioner is hereby authorized to charge any required fees regarding this Information Disclosure Statement to Deposit Account 50-1662 referencing the above attorney docket number.

Respectfully submitted,

POLSINELLI PC

Date: October 1, 2019

/Ari M. Bai/

Ari M. Bai, Reg. No. 38,726
One East Washington Street, Suite 1200
Phoenix, AZ 85004-2568
Tel: (602) 650-2061
Attorney for Applicant

70600019.1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	Rida A. Bazzi	Examiner:	Nazia Naoreen
Serial No.:	14/563,712	Group Art Unit:	2458
Filed:	December 8, 2014	Confirmation No.:	7752

For: SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT

AMENDMENT UNDER 37 C.F.R. §1.114

TO THE COMMISSIONER FOR PATENTS

Sir:

This paper is being filed after receipt of a Notice of Allowance. Please enter the following amendment and consider the remarks below in accordance with the Rules of Practice. The commissioner is hereby authorized to deduct any necessary fees from **Deposit Account No. 50-1662** referencing the above docket number.

Amendment to the Specification is reflected in the listing that begins at page 2 of this paper.

Remarks begin at page 7 of this paper.

AMENDMENT TO THE SPECIFICATION

Please correct the Government Support paragraph to read:

[0002] This invention was made with government support under 0849980 awarded by ~~supported by funding from the Federal Government through~~ the National Science Foundation ~~under Grant/Contract No. CSR-0849980~~. The government has ~~Government may have~~ certain rights in the invention.

IPR2025-01400
CrowdStrike EX1002 Page 402

REMARKS

This amendment is being filed concurrently with a Request for Continued Examination (RCE), along with a Supplemental Information Disclosure Statement including transmittal letter for Supplemental Information Disclosure Statement.

It is believed that the application is in condition for a renewed allowance, and notification to that effect is earnestly requested. The Examiner is invited to telephone Applicants' representative at (602)650-2062 to facilitate prosecution of this application.

Respectfully submitted,

POLSINELLI PC

Date: October 1, 2019

By: /Ari M. Bai/

Ari M. Bai, Reg. No.: 38726
One E. Washington Street, Suite 1200
Phoenix, AZ 85004
Direct Phone: (602) 650-2062
E-Mail: uspto@polsinelli.com
Attorney for Applicants

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (03-15)
Approved for use through 07/31/2016. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	14563712
	Filing Date	2014-12-08
	First Named Inventor	Rida A. Bazzi
	Art Unit	2458
	Examiner Name	Nazia Naoreen
	Attorney Docket Number	055743-483778 M14-061P

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IPR2025-01400
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	1	Aggarwal, et al., "An Analysis of Private Browsing Modes in Modern Browsers," in USENIX Security Symposium, 2010, pp. 79-94.	
	2	Akhawe, et al., "Towards a Formal Foundation of Web Security," Computer Security Foundations Symposium, Proceedings of, IEEE, vol. 0, pp. 290-304,2010.	
	3	Baron. 2010. Preventing attacks on a user's history through CSS :visited selectors. http://dbaron.org/mozilla/visited-privacy	
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	5	Barth, Internet Engineering Task Force (IETF). Request for Comments: 6265, 2011.	
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	7	Cook, "The Next Big Browser Exploit," CSO Magazine, p. 15, Feb 2008.	
	8	Cox, et al., "A Safety-Oriented Platform for Web Applications," in IEEE Symposium on Security and Privacy, 2006, pp. 350-364.	
	9	Crites, et al., "OMash: enabling secure web mashups via object abstractions," in ACM Conference on Computer and Communications Security, 2008, pp. 99-108.	
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	12	Flanagan, JavaScript: the definitive guide. O'Reilly Media, 2011.	
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	22	Kerschbaum, "Simple cross-site attack prevention," in Security and Privacy in Communications Networks and the Workshops, 2007. Secure Comm 2007. Third International Conference on, Sept. 2007, pp. 464-472.	

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	29	Oda, et al., "SOMA: Mutual Approval for Included Content in Web Pages," in ACM Conference on Computer and Communications Security, 2008.	
	30	Reis, et al., "Isolating Web Programs in Modern Browser Architectures," in ACM European Conference on Computer Systems (EuroSys), 2009.	
	31	Silbey, et al., "Understanding and working in Protected Mode Internet Explorer," 2009. [Online] Available: https://web. archive.org/web/20090302054837/http://msdn.microsoft.com/en-us/library/bb250462(printer).aspx .	
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IPR2025-01400
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	14563712
	Filing Date	2014-12-08
	First Named Inventor	Rida A. Bazzi
	Art Unit	2458
	Examiner Name	Nazia Naoreen
	Attorney Docket Number	055743-483778 M14-061P

	34	Wang, et al., "The Multi-Principal OS Construction of the Gazelle Web Browser," in USENIX Security Symposium, 2009, pp. 417-432.	

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

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

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

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
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	Filing Date	2014-12-08
	First Named Inventor	Rida A. Bazzi
	Art Unit	2458
	Examiner Name	Nazia Naoreen
	Attorney Docket Number	055743-483778 M14-061P

CERTIFICATION STATEMENT

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

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

OR

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

See attached certification statement.

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

A certification statement is not submitted herewith.

SIGNATURE

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

Signature	/Ari M. Bai/	Date (YYYY-MM-DD)	2019-10-01
Name/Print	Ari M. Bai	Registration Number	38726

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Electronic Patent Application Fee Transmittal

Application Number:	14563712
Filing Date:	08-Dec-2014
Title of Invention:	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT
First Named Inventor/Applicant Name:	RIDA A. BAZZI
Filer:	Ari M. Bai/Sam Bethune
Attorney Docket Number:	055743-483778

Filed as Micro Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
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Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
SUBMISSION- INFORMATION DISCLOSURE STMT	3806	1	60	60
RCE- 2ND AND SUBSEQUENT REQUEST	3820	1	475	475
		Total in USD ($)		**535**

Electronic Acknowledgement Receipt	
EFS ID:	37335396
Application Number:	14563712
International Application Number:	
Confirmation Number:	7752
Title of Invention:	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT
First Named Inventor/Applicant Name:	RIDA A. BAZZI
Customer Number:	27148
Filer:	Ari M. Bai/Sam Bethune
Filer Authorized By:	Ari M. Bai
Attorney Docket Number:	055743-483778
Receipt Date:	01-OCT-2019
Filing Date:	08-DEC-2014
Time Stamp:	16:17:59
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$535
RAM confirmation Number	E201901G18208056
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Request for Continued Examination (RCE)	RCE_M14-061P.pdf	173110 aad394863debfa3a7c5cc98da921d22d8236d6f3	no	3
Warnings:					
This is not a USPTO supplied RCE SB30 form.					
Information:					
2	Amendment Submitted/Entered with Filing of CPA/RCE	Amendment.pdf	23401 9fdfa73bf36b16dc1d7a5d1a62c016742e77920e	no	3
Warnings:					
Information:					
3	Transmittal Letter	IDS_Transmittal_Letter_M14-061P.pdf	14531 4a6c046905f21235997392e8bf514df2f3fc1b7c	no	1
Warnings:					
Information:					
4	Information Disclosure Statement (IDS) Form (SB08)	IDS_M14-061P.pdf	1112778 a3452b4ad08835ad00cf7688e6d70abfba6a9a16	no	7
Warnings:					
Information:					
A U.S. Patent Number Citation or a U.S. Publication Number Citation is required in the Information Disclosure Statement (IDS) form for autoloading of data into USPTO systems. You may remove the form to add the required data in order to correct the Informational Message if you are citing U.S. References. If you chose not to include U.S. References, the image of the form will be processed and be made available within the Image File Wrapper (IFW) system. However, no data will be extracted from this form. Any additional data such as Foreign Patent Documents or Non Patent Literature will be manually reviewed and keyed into USPTO systems.					
5	Non Patent Literature	AGGARWAL_2010.pdf	704604 b513d461f414aadfc1af076aaf9d8c540ce6ba18	no	15
Warnings:					
Information:					

6	Non Patent Literature	AKHAWE_2010.pdf	452922 bad94875b279653b92470afc0242702b04f25eff	no	15
Warnings:					
Information:					
7	Non Patent Literature	BARON_2010.pdf	686187 4a017c7f0557bec05ba563fe6e70683507f2250e	no	8
Warnings:					
Information:					
8	Non Patent Literature	BARTH_2008.pdf	205756 6b53b4ad3a6291225397e0d8b2c6f79bf75a565d	no	10
Warnings:					
Information:					
9	Non Patent Literature	BARTH_2011_6265.pdf	67075 299a1382d63340d4cddbe3add9adc1e57d23e9c3	no	37
Warnings:					
Information:					
10	Non Patent Literature	BARTH_2011_6454.pdf	43683 1a7f186e385846976a4586cf9c333a2805f55108	no	20
Warnings:					
Information:					
11	Non Patent Literature	COOK_2008.pdf	371711 cbc4be59bc4028ecd8d55cea1e12d2a2319d8a0b	no	1
Warnings:					
Information:					
12	Non Patent Literature	COX_2006.pdf	217026 d4b3c2f6e704aed2980855fa33371f9617ad541b	no	15
Warnings:					
Information:					

13	Non Patent Literature	CRITES_2008.pdf	256311 5f8120e18ae3ac159fb9802c5cd1d258b575607d	no	9
Warnings:					
Information:					
14	Non Patent Literature	DITCHENDORF_2013.pdf	366960 3e32ecfba809f6f9d1aef08b1e3899db41797f3c	no	1
Warnings:					
Information:					
15	Non Patent Literature	FELTEN_2000.pdf	200142 2f1cd98ba6b5eec591ad6cd7dd80ddfa078e502d	no	8
Warnings:					
Information:					
16	Non Patent Literature	GOOGLE_2013.pdf	1182220 c66ff267dc8ef0345d2bc83119d3e4b62a72a763	no	4
Warnings:					
Information:					
17	Non Patent Literature	GOOGLE_2019.pdf	71875 2f33bb226733ea6c5c79d813744a8ecc149cc4b3	no	1
Warnings:					
Information:					
18	Non Patent Literature	GRIER_2008.pdf	272591 60c9f72fbefff3b4e11eb19499384dbf27f7ad44	no	15
Warnings:					
Information:					
19	Non Patent Literature	HAMMER-LAHAV_2010.pdf	38121 df781239faa4961020b0e25b39dcbc09168a33cd	no	15
Warnings:					
Information:					

20	Non Patent Literature	HUANG_2010.pdf	204011 0af7f29b0ea52a6c3f5124d2f9454378cbde2591	no	11
Warnings:					
Information:					
21	Non Patent Literature	IVERSON_2012.pdf	373007 fc69435c649e4d773af179ac3ea20d0c0df075b7	no	6
Warnings:					
Information:					
22	Non Patent Literature	JACKSON_2002.pdf	479098 43db0609309c8d57ea752496a952c8c2b42e54a0	no	35
Warnings:					
Information:					
23	Non Patent Literature	JACKSON_2006.pdf	221074 0990be63eed23ff4de6b1595c10a9d61ae97b4df	no	8
Warnings:					
Information:					
24	Non Patent Literature	JACKSON_2008.pdf	572987 85b94b9dde4ca05596d8cb4ccd11e35750825409	no	7
Warnings:					
Information:					
25	Non Patent Literature	KERSCHBAUM_2007.pdf	202040 ff913f62f62665d0f6e69d7386efb0d3fcab199c	no	9
Warnings:					
Information:					
26	Non Patent Literature	MORIN_2008.pdf	200001 b053dcee2819f94e0f170e6499c378fdbe936b5d	no	1
Warnings:					
Information:					

27	Non Patent Literature	MOZILLA_2009.pdf	388262 7a933f328669adb0008bfd2ceeb739900ca61afa	no	4
Warnings:					
Information:					
28	Non Patent Literature	MOZILLA_2011.pdf	3416156 b64ca2253148daa8b270c6910dfc60881a3b9386	no	28
Warnings:					
Information:					
29	Non Patent Literature	MOZILLA_MANIFEST_2012.pdf	306888 ccf800b878c8175644c7b959b32e532a8943b963	no	6
Warnings:					
Information:					
30	Non Patent Literature	MOZILLA_PRISM_2012.pdf	144700 4921dde217d13bf12465b94c135ce45b71bab99e	no	1
Warnings:					
Information:					
31	Non Patent Literature	MOZILLA-TESTPILOT_2010.pdf	175679 635cd2b2eca04c6f436cfd8e5da01728714413bc	no	2
Warnings:					
Information:					
32	Non Patent Literature	ODA_2008.pdf	189579 4110269d4194f74441933ac23b4d3eaa2eee932b	no	10
Warnings:					
Information:					
33	Non Patent Literature	REIS_2009.pdf	375749 e5a9d39de8dd6117ea5415745f96266f958a0d20	no	13
Warnings:					
Information:					

34	Non Patent Literature	SILBEY_2006.pdf	833699 e55cc924e09008ead0a19e086ec4406d2acb577c	no	16
Warnings:					
Information:					
35	Non Patent Literature	STAMM_2010.pdf	157000 f3c0d3bf5537939f55025f564c0f8bf7011d9897	no	9
Warnings:					
Information:					
36	Non Patent Literature	WANG_2009.pdf	198876 bdf2cc53dbb054d1c37ffeb7e44d0bec100c8d4b	no	16
Warnings:					
Information:					
37	Fee Worksheet (SB06)	fee-info.pdf	31758 802ae7be95cf6a2645cb22c3e4afa87a3e09ee02	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	14931568		

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

UNITED STATES PATENT AND TRADEMARK OFFICE

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

NOTICE OF ALLOWANCE AND FEE(S) DUE

27148 7590 10/17/2019

POLSINELLI PC
900 WEST 48TH PLACE
SUITE 900
KANSAS CITY, MO 64112-1895

EXAMINER	
NAOREEN, NAZIA	
ART UNIT	PAPER NUMBER
2458	

DATE MAILED: 10/17/2019

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/563,712	12/08/2014	RIDA A. BAZZI	055743-483778	7752

TITLE OF INVENTION: SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	MICRO	$250	$0.00	$0.00	$250	01/17/2020

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

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

HOW TO REPLY TO THIS NOTICE:

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

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

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

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

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

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

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

PTOL-85 (Rev. 02/11)

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PART B - FEE(S) TRANSMITTAL

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

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

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

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

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

27148 7590 10/17/2019
POLSINELLI PC
900 WEST 48TH PLACE
SUITE 900
KANSAS CITY, MO 64112-1895

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

Certificate of Mailing or Transmission

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

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/563,712	12/08/2014	RIDA A. BAZZI	055743-483778	7752

TITLE OF INVENTION: SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	MICRO	$250	$0.00	$0.00	$250	01/17/2020

EXAMINER	ART UNIT	CLASS-SUBCLASS
NAOREEN, NAZIA	2458	709-219000

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

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

❑ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-09 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list
(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 _____
2 _____
3 _____

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

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

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

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

4a. Fees submitted: ❑ Issue Fee ❑ Publication Fee (if required) ❑ Advance Order - # of Copies _____

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

❑ Electronic Payment via EFS-Web ❑ Enclosed check ❑ Non-electronic payment by credit card (Attach form PTO-2038)

❑ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. _____

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

❑ Applicant certifying micro entity status. See 37 CFR 1.29

❑ Applicant asserting small entity status. See 37 CFR 1.27

❑ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.
NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.
NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

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

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

PTOL-85 Part B (08-18) Approved for use through 01/31/2020 OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/563,712	12/08/2014	RIDA A. BAZZI	055743-483778	7752

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EXAMINER	
NAOREEN, NAZIA	
ART UNIT	PAPER NUMBER
2458	

DATE MAILED: 10/17/2019

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

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

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

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

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

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

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

Privacy Act Statement

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

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

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

Notice of Allowability	**Application No.** 14/563,712	**Applicant(s)** BAZZI et al.	
	Examiner NAZIA NAOREEN	**Art Unit** 2458	**AIA (FITF) Status** Yes

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

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

1. ☑ This communication is responsive to 10/01/2019.
   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

3. ☑ The allowed claim(s) is/are 1-3,5-9,11-16 and 18-22 . As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see **http://www.uspto.gov/patents/init_events/pph/index.jsp** or send an inquiry to **PPHfeedback@uspto.gov.**

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

   Certified copies:

   a) ☐ All b) ☐ Some *c) ☐ None of the:

   1. ☐ Certified copies of the priority documents have been received.
   2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
   3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____ .

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

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

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

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

Attachment(s)

1. ☑ Notice of References Cited (PTO-892)
2. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 10//01/2019.
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____.
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date. _____.
5. ☐ Examiner's Amendment/Comment
6. ☑ Examiner's Statement of Reasons for Allowance
7. ☐ Other _____.

/NAZIA NAOREEN/ Examiner, Art Unit 2458	/ESTHER B. HENDERSON/ Primary Examiner , Art Unit 2458

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DETAILED ACTION

Status of Claims:

1. Claims 1 – 3, 5 – 9, 11 – 16, and 18 – 22 are allowed over prior art of record.

2. The previous rejection has been withdrawn.

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

Notice of Pre-AIA or AIA Status

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

Information Disclosure Statement

5. The information disclosure statement (IDS) was submitted on 10/01/2019. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Allowable Subject Matter

6. Claims 1 – 3, 5 – 9, 11 – 16, and 18 – 22 are allowed.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to NAZIA NAOREEN whose telephone number is (571)270-7282. The examiner can normally be reached on M-F: 9:00 - 6:00.

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

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kevin Bates can be reached on 571-272-3980. 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.

/NAZIA NAOREEN/
Examiner, Art Unit 2458

/ESTHER B. HENDERSON/
Primary Examiner, Art Unit 2458
October 10, 2019

Notice of References Cited	Application/Control No. 14/563,712	Applicant(s)/Patent Under Reexamination BAZZI et al.	
	Examiner NAZIA NAOREEN	Art Unit 2458	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-20110167492-A1	07-2011	Ghosh; Anup K.	G06F9/54	726/23
*	B	US-20130239231-A1	09-2013	Korycki; Jacek	H04L67/34	726/29
*	C	US-20080250159-A1	10-2008	Wang; Yi-Min	G06F21/6218	709/239
	D					
	E					
	F					
	G					
	H					
	I					
	J					
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

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

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Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14/563,712	BAZZI et al.
	Examiner	**Art Unit**
	NAZIA NAOREEN	2458

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

CLAIMS

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

CLAIM		DATE								
Final	Original	12/12/2016	05/08/2017	02/05/2018	12/06/2018	08/30/2019	10/09/2019			
1	1	✓	✓	✓	✓	=	=			
2	2	✓	✓	✓	✓	=	=			
3	3	✓	✓	✓	✓	=	=			
	4	✓	✓	-	-	-	-			
5	5	✓	✓	✓	✓	=	=			
6	6	✓	✓	✓	✓	=	=			
7	7	✓	✓	✓	✓	=	=			
8	8	✓	✓	✓	✓	=	=			
9	9	✓	✓	✓	✓	=	=			
	10	✓	✓	-	-	-	-			
10	11	✓	✓	✓	✓	=	=			
	12	✓	✓	-	-	-	-			
12	13	✓	✓	✓	✓	=	=			
13	14	✓	✓	✓	✓	=	=			
14	15	✓	✓	✓	✓	=	=			
15	16	✓	✓	✓	✓	=	=			
	17	✓	✓	-	-	-	-			
16	18	✓	✓	✓	✓	=	=			
4	19		✓	✓	✓	=	=			
11	20			✓	✓	=	=			
17	21			✓	✓	=	=			
18	22			✓	✓	=	=			

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Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14/563,712	BAZZI et al.
	Examiner	**Art Unit**
	NAZIA NAOREEN	2458

CPC								
Symbol							**Type**	**Version**
H04L	/	67	/	02			F	2013-01-01
G06F	/	21	/	6263			I	2013-01-01
G06F	/	21	/	52			I	2013-01-01

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

/NAZIA NAOREEN/ Examiner, Art Unit 2458	09 October 2019	**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	18	
/ESTHER B. HENDERSON/ Primary Examiner , Art Unit 2458	10 October 2019	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	6

U.S. Patent and Trademark Office — Part of Paper No.: 20191009

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Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14/563,712	BAZZI et al.
	Examiner	**Art Unit**
	NAZIA NAOREEN	2458

INTERNATIONAL CLASSIFICATION				
CLAIMED				
H04L	/	29	/	08
G06F	/	21	/	52
G06F	/	21	/	62

NON-CLAIMED				
	/		/	

US ORIGINAL CLASSIFICATION	
CLASS	**SUBCLASS**
709	219

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

/NAZIA NAOREEN/ Examiner, Art Unit 2458	09 October 2019	**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	18	
/ESTHER B. HENDERSON/ Primary Examiner , Art Unit 2458	10 October 2019	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	6

U.S. Patent and Trademark Office — Part of Paper No.: 20191009

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Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14/563,712	BAZZI et al.
	Examiner	**Art Unit**
	NAZIA NAOREEN	2458

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

CLAIMS

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1		10	4	19										
2	2	10	11	11	20										
3	3		12	17	21										
	4	12	13	18	22										
5	5	13	14												
6	6	14	15												
7	7	15	16												
8	8		17												
9	9	16	18												

/NAZIA NAOREEN/ Examiner, Art Unit 2458	09 October 2019	**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	18	
/ESTHER B. HENDERSON/ Primary Examiner , Art Unit 2458	10 October 2019	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	6

U.S. Patent and Trademark Office — Part of Paper No.: 20191009

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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14/563,712	BAZZI et al.
	Examiner	Art Unit
	NAZIA NAOREEN	2458

CPC - Searched*		
Symbol	**Date**	**Examiner**
H04L 67/02	12/12/2016	NN
G06F 21/53	12/12/2016	NN
G06F 21/6263	12/12/2016	NN

CPC Combination Sets - Searched*		
Symbol	**Date**	**Examiner**

US Classification - Searched*			
Class	**Subclass**	**Date**	**Examiner**
709	219	12/12/2016	NN
709	219	5/8/2017	NN
709	219	2/5/2018	NN
709	219	12/06/2018	NN

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

Search Notes		
Search Notes	**Date**	**Examiner**
Inventor and Assignee	12/12/2016	NN
EAST(US-PGPUB, USPAT, USOCR, FPRS, EPO, JPO, DERWENT, IBM TDB), Google search	12/12/2016	NN
Classification and Double Patenting	12/12/2016	NN
Updated Search	5/8/2017	NN
Updated Search	2/5/2018	NN
Updated Search	12/06/2018	NN
Updated Search	08/30/2019	NN
Updated Search	10/09/2019	NN

	/NAZIA NAOREEN/ Examiner.Art Unit 2458

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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14/563,712	BAZZI et al.
	Examiner	Art Unit
	NAZIA NAOREEN	2458

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
	Text Search US PG-PUB	08/30/2019	NN
	Text Search US PG-PUB	10/09/2019	NN

	/NAZIA NAOREEN/ Examiner.Art Unit 2458

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EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	21950	709/219.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/12/12 12:25
S2	4844323	fresh browser instance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/12/12 12:27
S3	8	fresh browser instance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:27
S4	1	S1 and S3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:28
S5	69	secure browser and second near browser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:29
S6	1	S1 and S5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:30
S7	20	S5 AND ((G06F21/53 OR G06F21/6263 OR H04L67/02).CPC.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:31
S8	2	S3 AND ((G06F21/53 OR	US-PGPUB;	ADJ	ON	2016/12/12

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		G06F21/6263 OR H04L67/02).CPC.)	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			12:32
S9	1	rida same bazzi.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:32
S10	675	arizona state university.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:33
S11	0	S9 and S10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2016/12/12 12:33
S12	2	rida same bazzi.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2017/05/08 18:20
S13	72	secure browser and second near browser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2017/05/08 18:21
S14	21	S13 AND ((G06F21/53 OR G06F21/6263 OR H04L67/02).CPC.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2017/05/08 18:21
S15	9	fresh browser instance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2017/05/08 18:21
S16	3	S15 AND ((G06F21/53 OR G06F21/6263 OR H04L67/02).CPC.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	ADJ	ON	2017/05/08 18:21

			IBM_TDB			
S17	4991467	fresh browser instance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/05/08 18:21
S18	15960	browser and api near call	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2017/05/08 18:22
S19	14042	browser and api call	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2017/05/08 18:22
S20	65	browser and api system call	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2017/05/08 18:22
S21	2	rida same bazzi.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/02/05 14:53
S22	836	arizona state university.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/02/05 14:53
S23	0	S21 and S22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/02/05 14:53
S24	9	fresh browser instance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/02/05 14:53
S25	3	S24 AND ((G06F21/53 OR G06F21/6263 OR H04L67/02).CPC.)	US-PGPUB; USPAT; USOCR; FPRS; EPO;	ADJ	ON	2018/02/05 14:53

			JPO; DERWENT; IBM_TDB			
S26	2	rida same bazzi.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/06 00:56
S27	967	arizona state university.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/06 00:56
S28	0	S26 and S27	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/06 00:56
S29	9	fresh browser instance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/06 00:57
S30	3	S29 AND ((G06F21/53 OR G06F21/6263 OR H04L67/02).CPC.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/06 00:57
S31	96	private browser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/07 14:38
S32	0	confirm near private browser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/07 14:39
S33	0	alreay running near private browser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/07 14:39
S34	0	running near private browser	US-PGPUB; USPAT;	ADJ	ON	2018/12/07 14:43

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S35	1	private browser near open	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/07 14:48
S36	0	private browser same already open	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/07 14:51
S37	0	private browser and already open	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/07 14:51
S38	0	private browser same previous session	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/07 14:51
S39	4	private browser same previous	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/07 14:52
S40	3	private browser same already	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/07 14:55
S41	7	private brows$3 same already	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/07 14:59
S42	7571915	ip address same dns response	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/12/11 18:45

S43	1566	ip address same dns response	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/11 18:45
S44	35	ip address same dns response same rewrit$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/11 18:45
S45	175	ip address same dns response same browser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/11 19:51
S46	14	ip address near (resolve or resol$5) same dns response same browser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/11 20:04
S47	0	ip address same dns response and private browser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/12/11 20:27
S48	3037	daemon same browser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2019/08/30 02:18
S50	21	daemon same browser window	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2019/08/30 02:19
S51	21	daemon same browser windows	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2019/08/30 02:23
S52	2	daemon same active browser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	ADJ	ON	2019/08/30 02:25

			DERWENT; IBM_TDB			
S53	5	background process same browser instance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2019/08/30 02:26
S54	28	background process same browser window	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2019/08/30 02:27
S55	0	background process same launch$3 near browser window	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2019/08/30 02:29
S56	1	background process same new near browser window	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2019/08/30 02:29
S57	63	(private or secure) browser and daemon	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2019/08/30 02:30
S58	30	(private or secure) browser and background process	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2019/08/30 02:37
S59	28	(private or secure) browser and background application	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2019/08/30 02:39
S60	2	track$3 near active browser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2019/08/30 02:41
S61	9	daemon same launch browser	US-PGPUB; USPAT; USOCR;	ADJ	ON	2019/08/30 02:44

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			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S62	13	daemon same launch$3 near browser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2019/08/30 02:44
S63	14	daemon same browser instances	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2019/08/30 13:07
S66	3	((("BAZZI") near3 ("RIDA")) OR (("ZOHREVANDI") near3 ("MOHSEN"))).INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2019/08/30 13:20
S67	18	((("THE") near3 ("ARIZONA") near3 ("BOARD") near3 ("OF") near3 ("REGENTS") near3 ("FOR") near3 ("AND") near3 ("ON") near3 ("BEHALF") near3 ("OF") near3 ("ARIZONA") near3 ("STATE") near3 ("UNIVERSITY"))).AS,AANM.	USPAT	ADJ	ON	2019/08/30 13:20

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S68	0	(class and browser instance and daemon).clm.	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:13
S69	4	(class and browser instance).clm.	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:13
S70	0	(class and browser instance and new browser).clm.	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:14
S71	0	(class and browser instance and url).clm.	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:15
S72	0	(class and browser instance and security).clm.	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:15
S73	0	(class and browser instance and secure).clm.	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:15
S74	12	(browser instance and secure).clm.	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:15
S75	31	(browser instance and url).clm.	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:15

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S76	7	(browser instance and new browser).clm.	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:15
S77	18	(browser instance and security).clm.	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:16
S78	201	"S29" AND ((G06F21/53 OR G06F21/6263 OR H04L67/02).CPC.)	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:16
S79	17	S75 AND ((G06F21/53 OR G06F21/6263 OR H04L67/02).CPC.)	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:16
S80	8	S74 AND ((G06F21/53 OR G06F21/6263 OR H04L67/02).CPC.)	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:16
S81	6	S76 AND ((G06F21/53 OR G06F21/6263 OR H04L67/02).CPC.)	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:17
S82	7	S77 AND ((G06F21/53 OR G06F21/6263 OR H04L67/02).CPC.)	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:17
S83	6	S74 AND ((H04L29/08 OR G06F21/52 OR G06F21/62).IPC.)	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:18
S84	7	S75 AND ((H04L29/08 OR G06F21/52 OR G06F21/62).IPC.)	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:18
S85	1	S76 AND ((H04L29/08 OR G06F21/52 OR G06F21/62).IPC.)	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:18
S86	3	S77 AND ((H04L29/08 OR G06F21/52 OR G06F21/62).IPC.)	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:18
S87	3	((("BAZZI") near3 ("RIDA")) OR (("ZOHREVANDI") near3 ("MOHSEN"))).INV.	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:20
S88	51	((("THE") near3 ("ARIZONA") near3 ("BOARD") near3 ("OF") near3 ("REGENTS") near3 ("FOR") near3 ("AND") near3 ("ON") near3 ("BEHALF") near3 ("OF") near3 ("ARIZONA") near3 ("STATE") near3 ("UNIVERSITY"))).AS,AANM.	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:20
S89	2	S87 and S88	US-PGPUB; USPAT	ADJ	ON	2019/08/30 13:21

10/9/2019 4:57:54 PM
C:\Users\nnaoreen\Documents\EAST\Workspaces\14563712.wsp

Bibliographic Data

Application No: 14/563,712

Foreign Priority claimed: ○ Yes ◉ No

35 USC 119 (a-d) conditions met: ☐ Yes ☑ No ☐ Met After Allowance

Verified and Acknowledged: Nazia Naoreen (Examiner's Signature) | (Initials)

Title: SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
12/08/2014	709	2458	055743-483778
RULE			

APPLICANTS

The Arizona Board of Regents for and on Behalf of Arizona State University, Tempe, AZ, UNITED STATES

INVENTORS

RIDA A. BAZZI Scottsdale, AZ, UNITED STATES

MOHSEN ZOHREVANDI Tempe, AZ, UNITED STATES

CONTINUING DATA

This application has PRO of 61912716 12/06/2013

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

02/12/2015

**** MICRO ENTITY ****

STATE OR COUNTRY

UNITED STATES

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SUITE 900
KANSAS CITY, MO 64112-1895
UNITED STATES

FILING FEE RECEIVED

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Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (03-15)
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	14563712
Filing Date	2014-12-08
First Named Inventor	Rida A. Bazzi
Art Unit	2458
Examiner Name	Nazia Naoreen
Attorney Docket Number	055743-483778 M14-061P

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.N/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	14563712
	Filing Date	2014-12-08
	First Named Inventor	Rida A. Bazzi
	Art Unit	2458
	Examiner Name	Nazia Naoreen
	Attorney Docket Number	055743-483778 M14-061P

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.N/

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	Filing Date	2014-12-08
	First Named Inventor	Rida A. Bazzi
	Art Unit	2458
	Examiner Name	Nazia Naoreen
	Attorney Docket Number	055743-483778 M14-061P

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.N/

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	Examiner Name	Nazia Naoreen
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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.N/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	14563712
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	First Named Inventor	Rida A. Bazzi
	Art Unit	2458
	Examiner Name	Nazia Naoreen
	Attorney Docket Number	055743-483778 M14-061P

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

EXAMINER SIGNATURE

Examiner Signature	/NAZIA NAOREEN/	Date Considered	10/09/2019

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

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

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.N/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	14563712
	Filing Date	2014-12-08
	First Named Inventor	Rida A. Bazzi
	Art Unit	2458
	Examiner Name	Nazia Naoreen
	Attorney Docket Number	055743-483778 M14-061P

CERTIFICATION STATEMENT

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

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

OR

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

See attached certification statement.

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

A certification statement is not submitted herewith.

SIGNATURE

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

Signature	/Ari M. Bai/	Date (YYYY-MM-DD)	2019-10-01
Name/Print	Ari M. Bai	Registration Number	38726

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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IPR2025-01400
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Rebecca L. Endsley	(Typed or printed name)
/Rebecca L. Endsley, Paralegal/	(Signature)
01/15/2020	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/563,712	12/08/2014	RIDA A. BAZZI	055743-483778	7752

TITLE OF INVENTION: SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	MICRO	$250	$0.00	$0.00	$250	01/17/2020

EXAMINER	ART UNIT	CLASS-SUBCLASS
NAOREEN, NAZIA	2458	709-219000

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

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

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-09 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list
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(A) NAME OF ASSIGNEE: Arizona Board of Regents on Behalf of Arizona State University

(B) RESIDENCE: (CITY and STATE OR COUNTRY): Tempe, Arizona

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

4a. Fees submitted: ☑ Issue Fee ☐ Publication Fee (if required) ☐ Advance Order - # of Copies _____

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

☐ Applicant certifying micro entity status. See 37 CFR 1.29

☐ Applicant asserting small entity status. See 37 CFR 1.27

☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.
NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.
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NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature /Ari M. Bai/ Date 01/15/2020

Typed or printed name Ari M. Bai Registration No. 38726

PTOL-85 Part B (08-18) Approved for use through 01/31/2020 OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

IPR2025-01400
CrowdStrike EX1002 Page 451

Electronic Patent Application Fee Transmittal

Application Number:	14563712
Filing Date:	08-Dec-2014
Title of Invention:	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT
First Named Inventor/Applicant Name:	RIDA A. BAZZI
Filer:	Ari M. Bai/Rebecca Endsley
Attorney Docket Number:	055743-483778

Filed as Micro Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
UTILITY ISSUE FEE	3501	1	250	250

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
		Total in USD ($)		**250**

Electronic Acknowledgement Receipt	
EFS ID:	38299577
Application Number:	14563712
International Application Number:	
Confirmation Number:	7752
Title of Invention:	SYSTEMS AND METHODS FOR AN AUTOMATIC FRESH BROWSER INSTANCE FOR ACCESSING INTERNET CONTENT
First Named Inventor/Applicant Name:	RIDA A. BAZZI
Customer Number:	27148
Filer:	Ari M. Bai/Rebecca Endsley
Filer Authorized By:	Ari M. Bai
Attorney Docket Number:	055743-483778
Receipt Date:	15-JAN-2020
Filing Date:	08-DEC-2014
Time Stamp:	11:53:18
Application Type:	Utility under 35 USC 111(a)

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POLSINELLI PC
900 WEST 48TH PLACE
SUITE 900
KANSAS CITY, MO 64112-1895

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):

RIDA A. BAZZI, Scottsdale, AZ;
The Arizona Board of Regents for and on Behalf of Arizona State University, Tempe, AZ;
MOHSEN ZOHREVANDI, Tempe, AZ;

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