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 TWITCH INTERACTIVE, INC.

**UNITED STATES DISTRICT COURT  
 NORTHERN DISTRICT OF CALIFORNIA  
 SAN FRANCISCO DIVISION**

RAZDOG HOLDINGS LLC,

Plaintiff,

vs.

TWITCH INTERACTIVE, INC.

Defendant.

Case No. 5:24-CV-03638-NW

**THE PARTIES' AMENDED JOINT  
 CLAIM CONSTRUCTION AND  
 PREHEARING STATEMENT**

Hearing: To be Scheduled

Pursuant to Patent Local Rule ("P.L.R.") 4-3 of the United States District Court for the Northern District of California and the Scheduling Order in this case (ECF No. 39), Plaintiff RazDog Holdings LLC ("Plaintiff" or "RazDog") and Defendant Twitch Interactive, Inc. ("Defendant" or "Twitch") provide the following Amended Joint Claim Construction and Prehearing Statement concerning U.S. Patent No. 9,729,658 (the "'658 Patent") and U.S. Patent No. 10,334,068 (the "'068 Patent").

**A. The Construction of Terms on Which the Parties Agree (P.L.R. 4-3(a))**

The parties agree that terms not identified below should be given their plain and ordinary

meanings.

**B. Proposed Construction of Disputed Terms (P.L.R. 4-3(b))**

The parties' proposed constructions of disputed terms are provided in the chart below. The parties' proposed constructions for the below disputed terms are also set forth in the accompanying Exhibit 1 along with the supporting evidence upon which the parties intend to rely. Both parties reserve the right to rely on the intrinsic record and any evidence cited by the other party to support its proposed construction.

| No. | Claim Language                                                             | Plaintiff's Proposed Constructions                                                                                                                                                                                  | Defendant's Proposed Constructions                                                                                                                                                                       |
|-----|----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | "master server"<br>[ '658 Claims 1, 5, 7, 8, 9, 12, 18]<br>[ '068 Claim 1] | "One or more dedicated servers for supporting a master program and user interface to access and view content data and applications from multiple content data sources or providers through a single user interface" | "a dedicated server for supporting a master program and user interface to access and view content data and applications from multiple content data sources or providers through a single user interface" |
| 2   | "content data"<br>[ '658 Claims 1, 5, 7, 9, 12]<br>[ '068 Claim 1]         | "any data or information that is stored remotely on servers that are generally accessible over the internet/intranet"                                                                                               | "any data or information that is stored remotely on servers that are generally accessible over the internet/intranet via a service provider servers"                                                     |
| 3   | "real time"<br>[ '658 Claims 1, 7, 12]<br>[ '068 Claim 1]                  | "matching the human perception of time or proceeding at approximately the same rate as a physical or external process"                                                                                              | Plain and ordinary meaning                                                                                                                                                                               |

**C. Identification of Most Significant and Dispositive Terms (P.L.R. 4-3(c))**

Of the terms for which the parties were not able to reach agreement, the parties agree that "master server" and "content data" are the most significant and potentially dispositive.

**D. Length of Time for Claim Construction Hearing (P.L.R. 4-3(d))**

The Claim Construction Hearing is not presently scheduled. The parties anticipate needing

no more than two (2) hours for the Claim Construction Hearing. The parties agree that, unless the Court prescribes a format for the presentation at the Claim Construction Hearing, the parties shall meet and confer no later than thirty (30) days prior to the Claim Construction Hearing to discuss and finalize how they will make their presentations.

**E. Witnesses to be Called at the Claim Construction Hearing (P.L.R. 4-3(e))**

The parties agree that there will be no witnesses called at the Claim Construction Hearing. The parties intend to have persons present a summary and explanation of the technology at issue during the to be scheduled tutorial.

**F. Identification of Factual Findings Requested from the Court (P.L. R. 4-3(f))**

The parties do not request any factual findings related to claim construction from the Court.

Dated: April 25, 2025

VILLEGAS & CEFO LLP

By: /s/ Mark W. Halderman

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Dated: April 25, 2025

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**Exhibit 1**

| <b>Exhibit List<sup>1</sup></b> |                                                                                                                                                                                                                  |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Exhibit A                       | U.S. Patent No. 9,729,658                                                                                                                                                                                        |
| Exhibit B                       | U.S. Patent No. 10,334,068                                                                                                                                                                                       |
| Exhibit C                       | '658 Patent File History (produced at RD_00000017-RD_00000462)                                                                                                                                                   |
| Exhibit D                       | '068 Patent File History (produced at RD_00000463-RD_00000670)                                                                                                                                                   |
| Exhibit E                       | MICROSOFT COMPUTER DICTIONARY (5th ed., 2002) (select pages)                                                                                                                                                     |
| Exhibit F                       | IBM DICTIONARY OF COMPUTING (10th ed. 1994) (select pages).                                                                                                                                                      |
| Exhibit G                       | THE AUTHORITATIVE DICTIONARY OF IEEE STANDARDS TERMS (7th ed. 2000) (select pages)                                                                                                                               |
| Exhibit H                       | <i>Amazon CloudFront</i> , <a href="https://web.archive.org/web/20100809075552/http://aws.amazon.com:80/cloudfront/">https://web.archive.org/web/20100809075552/http://aws.amazon.com:80/cloudfront/</a> (2010). |
| Exhibit I                       | <i>Amazon Web Services Introduces Media Streaming to Its Content Deliver Service Amazon Cloudfront</i> (Dec. 15, 2009).                                                                                          |
| Exhibit J                       | Schulzrinne, H., <i>Real Time Streaming Protocol</i> , RFC 2326 (Apr. 1998).                                                                                                                                     |
| Exhibit K                       | <i>HTTP Streaming Architecture</i> (2010).                                                                                                                                                                       |
| Exhibit L                       | <i>How Do I Stream FAQ</i> , at 1, <a href="https://help.twitch.tv/s/article/how-do-i-stream-faq?language=en_US">https://help.twitch.tv/s/article/how-do-i-stream-faq?language=en_US</a>                         |
| Exhibit M                       | <i>Twitch Engineering: An Introduction and Overview</i> (Dec. 18, 2015).                                                                                                                                         |

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<sup>1</sup> Exhibits A-M were previously produced pursuant to Local Patent Rule 4-2.

| No. | Term                                                                                      | Plaintiff's Proposed Construction and Identification of Evidence <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Defendant's Proposed Construction and Identification of Evidence                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | <p>"master server"</p> <p>[ '658 Claims 1, 5, 7, 8, 9, 12, 18]</p> <p>[ '068 Claim 1]</p> | <p><b>PROPOSED CONSTRUCTION:</b></p> <p>"One or more dedicated servers for supporting a master program and user interface to access and view content data and applications from multiple content data sources or providers through a single user interface."</p> <p><b>INTRINSIC EVIDENCE:</b></p> <p>"A cloud-based computer system and architecture for managing and migrating through web-based content data and content applications from multiple content data sources or service providers in real time is disclosed. The cloud-based computing system and architecture of the present invention includes a log-in or master server that acts as a single point access and supports a single user interface. The single user interface is preferably an icon-based master web-page with a slide tool that allows a user to scroll or page through the content data and/or content applications from the multiple content data sources or service providers in real time from a logged in remote computer device." APs, at Abstract.</p> <p>"Cloud-based computing provides computation, software, data access, and storage services that do not require a user to have knowledge of the physical location and configuration of the system and architecture that delivers the content data</p> | <p><b>PROPOSED CONSTRUCTION:</b></p> <p>"a dedicated server for supporting a master program and user interface to access and view content data and applications from multiple content data sources or providers through a single user interface"</p> <p><b>INTRINSIC EVIDENCE:</b></p> <p>"A cloud-based computer system and architecture for managing and migrating through web-based content data and content applications from multiple content data sources or service providers in real time is disclosed. The cloud-based computing system and architecture of the present invention includes a log-in or master server that acts as a single point access and supports a single user interface. The single user interface is preferably an icon-based master web-page with a slide tool that allows a user to scroll or page through the content data and/or content applications from the multiple content data sources or service providers in real time from a logged in remote computer device." '658 Patent at Abstract.<sup>3</sup></p> <p>"This invention relates to computer systems for managing web-based content data in a cloud-based computing environment. More particularly, the present invention relates to computer systems for</p> |

<sup>2</sup> '658 Patent (Ex. A) and '068 Patent (Ex. B) are collectively referred to herein as "APs."

<sup>3</sup> Quotes and citations shown are to the '658 Patent specification. Defendant also incorporates by reference the corollary disclosures in the '068 patent specification.

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|  | <p>and/or services. Cloud-based computing can include the delivery of any kind of content data and/or services in real-time, which extend the capabilities to a remote computing device, typically over the internet.” APs, 1:39-46.</p> <p>“Most cloud-based computing systems and architectures include a master server that networks to other service provider servers and streams content data to the master server that is then accessed through the remote computing device. Cloud-based computing provides for the ability to expand a user's ability to access the multiple sources of content data and/or services through the master server. However, currently available computing systems requires multiple log-in procedures for accessing the multiple sources of content data and/or services and/or do not provide for the ability to manage the content data and/or services from multiple sources through a single user interface. Accordingly, the present invention is directed to a cloud-based computing system and architecture for managing the content data and/or services from multiple sources through a single user interface in real time.” APs, 1: 47-62.</p> <p>“The cloud-based computing system and architecture of the present invention includes a log-in or master server that acts as a single point access and supports a user interface.” APs, at 2:34-36.</p> <p>“Preferably, the log-in or master server that is in communication with the multiple content data sources or service providers via servers.” APs, at 2:38-40.</p> <p>“In operation, a user logs into the log-in or master</p> | <p>managing and migrating through web-based content data in a cloud-based computing environment from multiple content data sources through a single point of access and/or user interface from a remote computing device.” ’658 Patent at 1:28–35.</p> <p>“Cloud-based computing provides computation, software, data access, and storage services that do not require a user to have knowledge of the physical location and configuration of the system and architecture that delivers the content data and/or services. Cloud-based computing can include the delivery of any kind of content data and/or services in real-time, which extend the capabilities to a remote computing device, typically over the internet.</p> <p>Most cloud-based computing systems and architectures include a master sever that networks to other service provider servers and streams content data to the master server that is then accessed through the remote computing device. Cloud-based computing provides for the ability to expand a user's ability to access the multiple sources of content data and/or services through the master server. However, currently available computing systems requires multiple log-in procedures for accessing the multiple sources of content data and/or services and/or do not provide for the ability to manage the content data and/or services from multiple sources through a single user interface. Accordingly, the present invention is directed to a cloud-based computing system and architecture for managing the content data and/or services from multiple sources through a single user interface in real time.” ’658 Patent at 1:39–62.</p> |
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|  | <p>server over the internet/intranet from a remote computing device. The server accesses the multiple content data sources or provider through their respective servers in the cloud-based computing environment based on enabled user or account preferences. The log-in or master server is programmed to run and execute a master content application software that is coded for organizing content data and content applications from the multiple content sources or service providers on a single master web-page.” APs, at 2:47-56.</p> <p>“A log-in server or master server is a dedicated server for supporting a master program and user interface to access and view content data and applications from multiple content data sources or providers through a single user interface.” APs, at 4:7-11.</p> <p>“Cloud-based computer system or architecture includes multiple content data sources or service provider servers that are linked to a log-in server or master server via the 30 internet/intranet.” APs, at 4:27-30.</p> <p>“Referring now to FIG 2B, in accordance with a preferred embodiment of the invention a master web-page 201' includes a slide tool or scrolling tool indicated by the arrow 226 operable from the computing device 111 (FIG. 1). In operation, when the remote computing device 111 logs into the log-in server or master server 105 over the internet/intranet, for at least the first time, the log-in server or master server 105 and the master application 107 initiates a download of software on to the remote computing device 111 that enables the slide tool or scrolling tool 226 to operable from an user input interface, such as a</p> | <p>“A second type of scrolling application includes a “plug-in and play” software that is operated from a computing device, such as a lap-top or desk-top computer. In a plug-in and play environment, a user downloads the plug-in and play software from their computing device and the plug-in and play software then allows the user to execute functions for scrolling or migrating through various web-pages of content data displayed on a web-site interface in a “slide-like” presentation. In this case, the computing device must be compatible with the plug-in and play software and the plug-in and play software is not capable of being integrating directly into web-based application, such as to allow the user to migrates through content data from multiple content data sources through a single user interface in real time.</p> <p>The present invention is directed to a cloud-based computer system and architecture for managing and migrating through web-based content data and content applications from multiple content data sources or service providers in real time. The cloud-based computing system and architecture of the present invention includes a log-in or master server that acts as a single point access and supports a user interface.” ’658 Patent at 2:16-37.</p> <p>“Preferably, the log-in or master server that is in communication with the multiple content data sources or service providers via servers. The user interface is preferably an icon-based master web-page viewable over the master server from a remote computing device. In further embodiments of the invention, the master web-page includes features for displaying and</p> |
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|  | <p>keyboard 123, a mouse 121, a touch screen (not shown) or any other suitable user interface on the remote computing device 111.” APs, at 5:8-20; <i>see also</i> Figs. 1-3.</p> <p>“As described above, the cloud-based computer system and architecture 100, the master application 107 and corresponding tool box provides for the capability to include lock-out controls, collect history analytics and have subsets of accessible content data or content applications.” APs, at 5:48-52.</p> <p>“In the step 301, a personal account is set up from on a cloud-based log-in or master server 105 (FIG. 1) from the remote computing device 111 (FIG. 1). The account set up procedure includes establishing a user name and password. In the step 303, an administrator or authorized user selects which security features are enabled, which content sources or service providers are accessible, which personal setting or features are accessible and constructs the general layout of a master web-page via the tool box on the master application 107 (FIG. 1).” APs, at 5:54-64.</p> <p>“FIG. 3B shows a block-flow diagram 350 outlining steps, in accordance with a further method of the present invention. After a user personal account has been established, the content sources or service providers have been selected and the scrolling tool software has been downloaded, such as described above with reference to FIG. 3A, in the step 351 the user is capable of logging into the log-in or master server 105 (FIG. 1) using the remote computing device 111 (FIG. 1). After the user logs into the log-in or master server in the step 351, in the step 353 the</p> | <p>migrating through personal content data, such as those provided by networking web-sites and e-mail web-sites.</p> <p>In operation, a user logs into the log-in or master server over the internet/intranet from a remote computing device. The server accesses the multiple content data sources or provider through their respective servers in the cloud-based computing environment based on enabled user or account preferences. The log-in or master server is programmed to run and execute a master content application software that is coded for organizing content data and content applications from the multiple content sources or service providers on a single master web-page. The master web-page is a “dynamic” in the sense that the master web-page displays streaming content data and content applications from the multiple content data sources in real time.” ’658 Patent at 2:38–59.</p> <p>“FIGS. 3A-B shows block-flow diagrams outlining steps for managing the content data or applications from the multiple content sources or service providers through a single point of access and user interface, in accordance with the method of the present invention.” ’658 Patent at 3:56–60.</p> <p>“A log-in server or master server is a dedicated server for supporting a master program and user interface to access and view content data and applications from multiple content data sources or providers through a single user interface.” ’658 Patent at 4:7–10.</p> <p>“6) A dynamic user web-page or master web-page is a web-page viewable remotely from a remote</p> |
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|  | <p>user accesses his or her personal or shared master-web-page and views or manages content data and/or content applications 101', 103' and 105' (FIGS. 2A-C) from the corresponding content sources or service providers 101, 103 and 105 (FIG. 1). While logged into the log-in server or master server 105, in the step 355 the user is capable of using the slide tool or scrolling tool 226 and 227 (FIGS. 2B-C) to page through and manage content data and/or content applications 101', 103' and 105' from the multiple content sources or service providers 101, 103 and 105 and search for selected content data and content applications 101', 103 and 105' from each content data sources or service provider servers 101, 103, and 105 using the search tool 231." APs, 6:5-27.</p> | <p>computing device via log-in server or master server and which displays a slide tool that scrolls or pages through content data and/or content application from multiple content data sources and/or service providers in real time.</p> <p>7) Cloud-based computer system or architecture includes multiple content data sources or service provider servers that are linked to a log-in server or master server via the internet/intranet.</p> <p>8) A remote computing device is an electronic device that is capable of accessing the log-in server or master server over the internet/intranet and displaying or viewing a master web-page and content data therefrom.</p> <p>FIG. 1 shows a schematic representation of a cloud-based computer system and architecture 100 for managing web-based content data, in accordance with the embodiments of the invention. The cloud-based computer system and architecture 100 includes a log-in server or master server 105 that acts a single point of access for a plurality of content data sources or service provider servers 101, 103, and 105. The plurality of content data sources or service provider servers 101, 103, and 105 are in communication or linked to the log-in server or master server 105 via a communication network, such as the internet or intranet represented by the arrows 133, 135 and 137.</p> <p>The log-in server or master server 105 supports a program to run and execute a master content application software, hereafter master application, represented by the box 107. The master application 107 is coded for organizing content data and content</p> |
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|  |  |  | <p>applications from the multiple content sources or service provider servers 101, 103 and 105 on a master web- page 201, 201' and 201" (FIGS. 2A-C), such as described below." '658 Patent at 4:21–67, including all figures referenced in the cited passages.</p> <p>“FIG. 2A shows a representation of a dynamic user web-page or master web-page 201 for simultaneously displaying content data and/or content application 101', 103 and 105' from the corresponding set of content sources or service provider servers 101, 103 and 105 through a log-in server or master server 105, in accordance with the embodiments of the invention.</p> <p>Referring now to FIG. 2B, in accordance with a preferred embodiment of the invention a master web- page 201' includes a slide tool or scrolling tool indicated by the arrow 226 operable from the computing device 111 (FIG. 1). In operation, when the remote computing device 111 logs into the log-in server or master server 105 over the internet/intranet, for at least the first time, the log-in server or master server 105 and the master application 107 initiates a down load of software on to the remote computing device 111 that enables the slide tool or scrolling tool 226 to operable from an user input interface, such as a keyboard 123, a mouse 121, a touch screen (not shown) or any other suitable user interface on the remote computing device 111." '658 Patent at 5:1–20, including all figures referenced in the cited passages</p> <p>“FIG. 3A shows a block-flow diagram 300 outlining steps, in accordance with the method of the present invention. In the step 301, a personal account is set up from on a cloud-based log-in or master server 105</p> |
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|  |  |  | <p>(FIG. 1) from the remote computing device 111 (FIG. 1). The account set up procedure includes establishing a user name and password. In the step 303, an administrator or authorized user selects which security features are enabled, which content sources or service providers are accessible, which personal setting or features are accessible and constructs the general layout of a master web-page via the tool box on the master application 107 (FIG. 1).</p> <p>After the personal account is set up and the master web-page is constructed in the steps 301 and 303, in the step 305 the master application 107 initiates a down load of software on to the remote computing device 111 that enables a the slide tool or scrolling tool 226 and 227 (FIGS. 2B-C) to operable from a user input interface on the remote computing device 111.</p> <p>FIG. 3B shows a block-flow diagram 350 outlining steps, in accordance with a further method of the present invention. After a user personal account has been established, the content sources or service providers have been selected and the scrolling tool software has been down loaded, such as described above with reference to FIG. 3A, in the step 351 the user is capable of logging into the log-in or master server 105 (FIG. 1) using the remote computing device 111 (FIG. 1). After the user logs into the log-in or master server in the step 351, in the step 353 the user accesses his or her personal or shared master-web-page and views or manages content data and/or content applications 101', 103' and 105' (FIGS. 2A-C) from the corresponding content sources or service</p> |
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|  |  |  | <p>providers 101, 103 and 105 (FIG. 1). While logged into the log-in server or master server 105, in the step 355 the user is capable of using the slide tool or scrolling tool 226 and 227 (FIGS. 2B-C) to page through and manage content data and/or content applications 101', 103' and 105' from the multiple content sources or service providers 101, 103 and 105 and search for selected content data and content applications 101', 103 and 105' from each content data sources or service provider servers 101, 103, and 105 using the search tool 231." '658 Patent at 5:53–6:27, including all figures referenced in the cited passages</p> <ul style="list-style-type: none"> <li>- '068 Patent at Abstract, 1:36–43, 1:47–2:3, 2:24–45, 2:46–67, 4:1–5, 4:19–22, 4:32–5:32, 5:64–6:38, including all figures referenced in the cited passages</li> <li>- '658 Patent File History at Notice of Allowance (Apr. 6, 2017), Applicant Amendment and Arguments/Remarks Made in Amendment (Jan. 18, 2017), Applicant Amendment and Arguments/Remarks Made in Amendment (Dec. 12, 2016), Applicant Amendment and Arguments/Remarks Made in Amendment (Aug. 9, 2016), Applicant Interview (Aug. 2, 2016), Applicant Amendment and Arguments/Remarks Made in Amendment (Oct. 23, 2015), Applicant Amendment and Arguments/Remarks Made in Amendment (July 16, 2015), Applicant Amendment and Arguments/Remarks Made in Amendment (Feb. 2, 2015), Applicant Amendment and Arguments/Remarks Made in</li> </ul> |
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|   |                                                                                 |                                                                                                                                                                                                      | <p>Amendment (Aug. 22, 2014), Applicant Amendment and Arguments/Remarks Made in Amendment (Sept. 18, 2013), Applicant Amendment and Arguments/Remarks Made in Amendment (Apr. 8, 2013)</p> <ul style="list-style-type: none"> <li>- '068 Patent File History at Notice of Allowance (Mar. 13, 2019), Applicant Interview (Mar. 13, 2019), Applicant Amendment and Arguments/Remarks Made in Amendment (Feb. 15, 2019), Applicant Amendment and Arguments/Remarks Made in Amendment (Oct. 9, 2018), Applicant Amendment and Arguments/Remarks Made in Amendment (Sept. 28, 2017)</li> <li>- U.S. Patent. App. No. 13/317,133</li> <li>- U.S. Pub. No. 2012/0089704</li> <li>- U.S. Patent App. No. 15/731,543</li> <li>- U.S. Pub. No. 2017/0310782</li> <li>- U.S. Provisional App. No. 61/404,860 [RD_00000790 at -795–808]</li> <li>- U.S. Provisional App. No. 61/463,539 [RD_00000809 at -814-817]</li> </ul> |
| 2 | <p>“content data”</p> <p>[’658 Claims 1, 5, 7, 9, 12]</p> <p>[’068 Claim 1]</p> | <p><b>PROPOSED CONSTRUCTION:</b></p> <p>“any data or information that is stored remotely on servers that are generally accessible over the internet/intranet.”</p> <p><b>INTRINSIC EVIDENCE:</b></p> | <p><b>PROPOSED CONSTRUCTION:</b></p> <p>“data or information that is stored remotely on servers that are generally accessible over the internet/intranet via a service provider servers”</p> <p><b>INTRINSIC EVIDENCE:</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

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|  | <p>“A cloud-based computer system and architecture for managing and migrating through web-based content data and content applications from multiple content data sources or service providers in real time is disclosed. The cloud-based computing system and architecture of the present invention includes a log-in or master server that acts as a single point access and supports a single user interface. The single user interface is preferably an icon-based master web-page with a slide tool that allows a user to scroll or page through the content data and/or content applications from the multiple content data sources or service providers in real time from a logged in remote computer device.” APs, at Abstract.</p> <p>“Cloud-based computing provides computation, software, data access, and storage services that do not require a user to have knowledge of the physical location and configuration of the system and architecture that delivers the content data and/or services. Cloud-based computing can include the delivery of any kind of content data and/or services in real-time, which extend the capabilities to a remote computing device, typically over the internet.” APs, 1:39-46.</p> <p>“The present invention is directed to a cloud-based computer system and architecture for managing and migrating through web-based content data and content applications from multiple content data sources or service providers in real time.” APs, at 2:30-37.</p> <p>“Preferably, the log-in or master server that is in communication with the multiple content data sources or service providers via servers.” APs, at 2:38-40.</p> | <p>“A cloud-based computer system and architecture for managing and migrating through web-based content data and content applications from multiple content data sources or service providers in real time is disclosed. The cloud-based computing system and architecture of the present invention includes a log-in or master server that acts as a single point access and supports a single user interface. The single user interface is preferably an icon-based master web-page with a slide tool that allows a user to scroll or page through the content data and/or content applications from the multiple content data sources or service providers in real time from a logged in remote computer device.” ’658 Patent at Abstract.</p> <p>“Cloud-based computing provides computation, software, data access, and storage services that do not require a user to have knowledge of the physical location and configuration of the system and architecture that delivers the content data and/or services. Cloud-based computing can include the delivery of any kind of content data and/or services in real-time, which extend the capabilities to a remote computing device, typically over the internet.</p> <p>Most cloud-based computing systems and architectures include a master sever that networks to other service provider servers and streams content data to the master server that is then accessed through the remote computing device. Cloud-based computing provides for the ability to expand a user's ability to access the multiple sources of content data and/or services through the master server. However, currently available computing systems requires multiple log-in</p> |
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|  | <p>“In further embodiments of the invention, the master web-page includes features for displaying and migrating through personal content data, such as those provided by networking web-sites and e-mail web-sites.” APs, at 2:42-46.</p> <p>“In operation, a user logs into the log-in or master server over the internet/intranet from a remote computing device. The server accesses the multiple content data sources or provider through their respective servers in the cloud-based computing environment based on enabled user or account preferences. The log-in or master server is programmed to run and execute a master content application software that is coded for organizing content data and content applications from the multiple content sources or service providers on a single master web-page.” APs, at 2:47-56.</p> <p>“The master web-page is a "dynamic in the sense that the master web-page displays streaming content data and content applications from the multiple content data sources in real time.” APs, at 2:56-59.</p> <p>“Unlike prior art cloud-based computing system and architectures, the present invention is capable of being integrated directly into the content applications from the multiple content data sources or service providers and, thus, is capable of providing for the ability to migrate through the content data on the dynamic master web-page in real time. Further, the present invention allows for the capability to add or subtract any number of content data sources or service providers. For example a user's log-in account can be customized to allow for only selected content data sources and application to run at any giving time. Also, the</p> | <p>procedures for accessing the multiple sources of content data and/or services and/or do not provide for the ability to manage the content data and/or services from multiple sources through a single user interface. Accordingly, the present invention is directed to a cloud-based computing system and architecture for managing the content data and/or services from multiple sources through a single user interface in real time.” ’658 Patent at 1:39–62.</p> <p>“Preferably, the log-in or master server that is in communication with the multiple content data sources or service providers via servers. The user interface is preferably an icon-based master web-page viewable over the master server from a remote computing device. In further embodiments of the invention, the master web-page includes features for displaying and migrating through personal content data, such as those provided by networking web-sites and e-mail web-sites.</p> <p>In operation, a user logs into the log-in or master server over the internet/intranet from a remote computing device. The server accesses the multiple content data sources or provider through their respective servers in the cloud-based computing environment based on enabled user or account preferences. The log-in or master server is programmed to run and execute a master content application software that is coded for organizing content data and content applications from the multiple content sources or service providers on a single master web-page. The master web-page is a “dynamic” in the sense that the master web-page</p> |
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|  | <p>present invention allows for content data to be selected and copied from one or more of the content data sources or service providers and saved to the user's master web-page, the user's personal setting and, in some cases, to another content data source or service provider.” APs, at 2:66-3:14.</p> <p>“6) A dynamic user web-page or master web-page is a web-page viewable remotely from a remote computing device via log-in server or master server and which displays a slide tool that scrolls or pages through content data and/or content application from multiple content data Sources and/or service providers in real time.” APs, at 3:21-26.</p> <p>“FIGS. 3A-B shows block-flow diagrams outlining steps for managing the content data or applications from the multiple content sources or service providers through a single point of access and user interface, in accordance with the method of the present invention.” APs, at 3:56-60.</p> <p>“Content data is any data or information that is stored remotely on servers that are generally accessible over the internet/intranet via a service provider servers.” APs, at 4:1-3.</p> <p>“Content applications are software applications that accesses display and organized content data, generally from a web-sites.” APs, at 4:4-6.</p> <p>“A tool is a feature that is usually represent by an icon, that are viewable and/or selectable from a from a computing device; selecting the tool will generally initiate one or more software sequences to access, display and/or organize content data on</p> | <p>displays streaming content data and content applications from the multiple content data sources in real time.” ’658 Patent at 2:38–59.</p> <p>“Content data is any data or information that is stored remotely on servers that are generally accessible over the internet/intranet via a service provider servers.” ’658 Patent at 4:1–3.</p> <p>“6) A dynamic user web-page or master web-page is a web-page viewable remotely from a remote computing device via log-in server or master server and which displays a slide tool that scrolls or pages through content data and/or content application from multiple content data sources and/or service providers in real time.</p> <p>7) Cloud-based computer system or architecture includes multiple content data sources or service provider servers that are linked to a log-in server or master server via the internet/intranet.</p> <p>8) A remote computing device is an electronic device that is capable of accessing the log-in server or master server over the internet/intranet and displaying or viewing a master web-page and content data therefrom.</p> <p>FIG. 1 shows a schematic representation of a cloud-based computer system and architecture 100 for managing web-based content data, in accordance with the embodiments of the invention. The cloud-based computer system and architecture 100 includes a log-in server or master server 105 that acts a single point of access for a plurality of content data sources or service provider servers 101, 103, and 105. The</p> |
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|  | <p>a web-page.” APs, at 4:12-16.</p> <p>“A dynamic user web-page or master web-page is a web-page viewable remotely from a remote computing device via log-in server or master server and which displays a slide tool that scrolls or pages through content data and/or content application from multiple content data sources and/or service providers in real time.” APs, at 4:21-26.</p> <p>“A remote computing device is an electronic device that is capable of accessing the log-in server or master server over the internet/intranet and displaying or viewing a master web-page and content data therefrom.” APs, at 4:31-34.</p> <p>“FIG. 1 shows a schematic representation of a cloud-based computer system and architecture 100 for managing web-based content data, in accordance with the embodiments of the invention. The cloud-based computer system and architecture 100 includes a log-in server or master server 105 that acts a single point of access for a plurality of content data sources or service provider servers 101, 103, and 105. The plurality of content data sources or service provider servers 101, 103, and 105 are in communication or linked to the log-in server or master server 105 via a communication network, such as the internet or intranet represented by the arrows 133, 135 and 137.” APs, at 4:35-46; <i>see also</i> Fig. 1.</p> <p>“In operation, a user (not shown) logs into the log-in server or master server 105 over the internet/intranet, represented by the arrow 131 from a suitable remote computing devices 111. A suitable remote computing device 111 is for</p> | <p>plurality of content data sources or service provider servers 101, 103, and 105 are in communication or linked to the log-in server or master server 105 via a communication network, such as the internet or intranet represented by the arrows 133, 135 and 137.</p> <p>The log-in server or master server 105 supports a program to run and execute a master content application software, hereafter master application, represented by the box 107. The master application 107 is coded for organizing content data and content applications from the multiple content sources or service provider servers 101, 103 and 105 on a master web- page 201, 201’ and 201” (FIGS. 2A-C), such as described below.” ’658 Patent at 4:21–67, including all figures referenced in the cited passages</p> <p>“FIG. 2A shows a representation of a dynamic user web-page or master web-page 201 for simultaneously displaying content data and/or content application 101’, 103 and 105’ from the corresponding set of content sources or service provider servers 101, 103 and 105 through a log-in server or master server 105, in accordance with the embodiments of the invention.” ’658 Patent at 5:1–7, including all figures referenced in the cited passages.</p> <p>“With the remote computing device 111 enabled with the slide tool or scrolling tool 126, a user can view his or her master web-page 201’ and scroll through or page through content data and content applications 101’, 103 and 105’ from corresponding set of content data sources or service provider servers 101, 103, and 105 in real time.</p> <p>In accordance with further embodiments of the</p> |
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|  |  | <p>example, a desk top computer 125 with a monitor or display 127 and 60 a keyboard 123 and mouse 121 for entering information and executing functions. Alternatively, a suitable computing device is a laptop computer, a tablet computer, a smart phone or any other electronic device that is capable of accessing the log-in server or master server 105 over the internet/intranet and displaying or viewing content data therefrom on a master web-page a 201, 201' and 201" (FIGS. 2A-C), such as described below." APs, at 4:55-67; <i>see also</i> Fig. 2.</p> <p>"FIG. 2A shows a representation of a dynamic user webpage or master web-page 201 for simultaneously displaying content data and/or content application 101', 103 and 105' from the corresponding set of content sources or service provider servers 101, 103 and 105 through a log-in server or master server 105, in accordance with the embodiments of the invention." APs, at 5:1-7; <i>see also</i> Fig. 2.</p> <p>"With the remote computing device 111 enabled with the slide tool or scrolling tool 126, a user can view his or her master web-page 201" and scroll through or page through content data and content applications 101", 103 and 105 from corresponding set of content data sources or service provider servers 101, 103, and 105 in real time." APs, at 5:21-26.</p> <p>"In accordance with further embodiments of the invention, a master web-page 201" includes a slide tool or scrolling tool indicated by the arrow 227 operable from any suitable user interface on the remote computing device 111, such as describe above. In addition, the master application 107 is</p> | <p>invention, a master web-page 201" includes a slide tool or scrolling tool indicated by the arrow 227 operable from any suitable user interface on the remote computing device 111, such as describe above. In addition, the master application 107 is equipped with a tool box that allows an authorized user or administrator to build the master web-page 201" and include features for displaying and migrating through personal content data, such as those provided by a networking web-site or an e-mail web-site 233. In operation, portions of content data and/or portions of content applications 101', 103 and 105' from the corresponding set of content sources or service provider servers 101, 103 and 105 are capable of being selected and copied using the computing device 111 and saved to the user's master web-page 201" or one or more of the user's personal accounts. Also, the master web-page 201" preferably includes a search tool or function 231 that allows a user to search for selected content data and content applications 101', 103 and 105' from each content data sources or service provider servers 101, 103, and 105 individually or simultaneously.</p> <p>As described above, the The cloud-based computer system and architecture 100, the master application 107 and corresponding tool box provides for the capability to include lock-out controls, collect history analytics and have subsets of accessible content data or content applications.</p> <p>FIG. 3A shows a block-flow diagram 300 outlining steps, in accordance with the method of the present invention. In the step 301, a personal account is set up</p> |
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|  | <p>equipped with a tool box that allows an authorized user or administrator to build the master web-page 201" and include features for displaying and migrating through personal content data, such as those provided by a networking web-site or an e-mail web-site 233. In operation, portions of content data and/or portions of content applications 101', 103 and 105' from the corresponding set of content sources or service provider servers 101, 103 and 105 are capable of being selected and copied using the computing device 111 and saved to the user's master web-page 201" or one or more of the user's personal accounts." APs, at 5:27-42; <i>see also</i> Figs. 1 and 2.</p> <p>"Also, the master web-page 201" preferably includes a search tool or function 231 that allows a user to search for selected content data and content applications 101", 103 and 105" from each content data sources or service provider servers 101, 103, and 105 individually or simultaneously." APs, at 5:42-46.</p> <p>"After the user logs into the log-in or master server in the step 351, in the step 353 the user accesses his or her personal or shared master-web-page and views or manages content data and/or content applications 101', 103' and 105' (FIGS. 2A-C) from the corresponding content sources or service providers 101, 103 and 105 (FIG. 1). While logged into the log-in server or master server 105, in the step 355 the user is capable of using the slide tool or scrolling tool 226 and 227 (FIGS. 2B-C) to page through and manage content data and/or content applications 101', 103' and 105' from the multiple content sources or service providers 101, 103 and 105 and search for selected content data and content applications 101', 103 and 105' from</p> | <p>from on a cloud-based log-in or master server 105 (FIG. 1) from the remote computing device 111 (FIG. 1). The account set up procedure includes establishing a user name and password. In the step 303, an administrator or authorized user selects which security features are enabled, which content sources or service providers are accessible, which personal setting or features are accessible and constructs the general layout of a master web-page via the tool box on the master application 107 (FIG. 1)." '658 Patent at 5:21-64, including all figures referenced in the cited passages.</p> <p>"FIG. 3B shows a block-flow diagram 350 outlining steps, in accordance with a further method of the present invention. After a user personal account has been established, the content sources or service providers have been selected and the scrolling tool software has been down loaded, such as described above with reference to FIG. 3A, in the step 351 the user is capable of logging into the log-in or master server 105 (FIG. 1) using the remote computing device 111 (FIG. 1). After the user logs into the log-in or master server in the step 351, in the step 353 the user accesses his or her personal or shared master-web-page and views or manages content data and/or content applications 101', 103' and 105' (FIGS. 2A-C) from the corresponding content sources or service providers 101, 103 and 105 (FIG. 1). While logged into the log-in server or master server 105, in the step 355 the user is capable of using the slide tool or scrolling tool 226 and 227 (FIGS. 2B-C) to page through and manage content data and/or content applications 101', 103' and 105' from the multiple</p> |
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each content data sources or service provider servers 101, 103, and 105 using the search tool 231.” APs, at 6:13-27; *see also* Figs. 1 and 2.

“The present invention provides an expandable solution for managing content data in a cloud-based computing environment which is capable of being integrated into applications from multiple sources. The invention provides users with a highly interactive experience and the ability migrate through the content data and applications on the dynamic master web-page in real time. The dynamic master web-page preferably includes an icon-based interface and is capable delivering a broad spectrum of content data such as marketing data, sales data, operations data, manufacturing data, financial data, documents, spreadsheets, presentations, audio data, video data, database listings, custom or off the shelf business applications, games, or any other content data or application data.” APs, at 6:35-48.

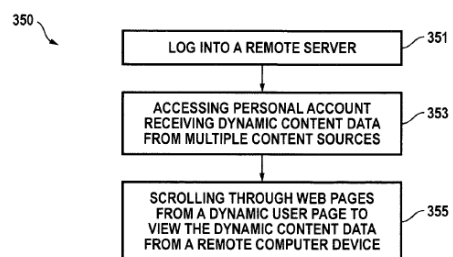


FIG. 3B

“An internet software technology which enables users to do remote login and have a single sign in capability to enable multiple database driven business or consumer based applications (to the

content sources or service providers 101, 103 and 105 and search for selected content data and content applications 101', 103 and 105' from each content data sources or service provider servers 101, 103, and 105 using the search tool 231.

As described previously, the user is also capable of accessing personal content providers enabled during the set-up procedure described above. Also, the user is capable of selecting content data and/or content applications and coping the selected content data and/or content applications to the user's master web-page or the user's personal content data account.

The present invention provides an expandable solution for managing content data in a cloud-based computing environment which is capable of being integrated into applications from multiple sources. The invention provides users with a highly interactive experience and the ability migrate through the content data and applications on the dynamic master web-page in real time. The dynamic master web-page preferably includes an icon-based interface and is capable delivering a broad spectrum of content data such as marketing data, sales data, operations data, manufacturing data, financial data, documents, spreadsheets, presentations, audio data, video data, database listings, custom or off the shelf business applications, games, or any other content data or application data.” '658 Patent at 6:5–48, including all figures referenced in the cited passages.

- '068 Patent at Abstract, 1:47–2:3, 2:46–67, 4:13–15, 4:32–5:32, 5:12–18, 5:32–6:8, 6:16–59, including all figures referenced in the cited

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|  | <p>RD site), which enables access to applications, documents, data, content or other. Here is a short list of some key functions a user can have access to using this software: they can purchase, download, stream, search, manage calendar, email, document management, file management, save all key items desired into personal favorites, have a personal page to manage all applications content in easy to use icon based interface, which allows user to swipe side to side to display the next application in line or previous application in line. User can swipe up and down to forward to next content in application or down to go to previous content, Company can choose whether to reverse the content delivered to users depending on what content is delivered and how many applications they wish to deploy. The interface and database can manage marketing, sales, operation, finance, manufacturing, distribution, contracts, any type of document, photos, audio, video, and any other custom or off the shelf business or personal application, and support any other application or content type, and create a personalized environment and non-personalized content (advertising, merchandise, etc.) for their media needs and advertising, including the setup of personalized spending accounts.” Ex. C, ’658 File History, RD_00000017-RD_00000462, at 0112-0113; Ex. D, ’068 Patent File History, RD_00000463-RD_00000670, at 0548-0549.</p> <p>“The RazDog site supports applications, data and other content from other databases to support multiple simultaneous veins of data and information and applications.” Ex. C, ’658 File History, RD_00000017-RD_00000462, at 0130; Ex. D, ’068 Patent File History, RD_00000463-RD_00000670, at 0549.</p> | <p>passages</p> <ul style="list-style-type: none"> <li>- ’658 Patent File History at Notice of Allowance (Apr. 6, 2017), Applicant Amendment and Arguments/Remarks Made in Amendment (Jan. 18, 2017), Applicant Amendment and Arguments/Remarks Made in Amendment (Dec. 12, 2016), Applicant Amendment and Arguments/Remarks Made in Amendment (Aug. 9, 2016), Applicant Interview (Aug. 2, 2016), Applicant Amendment and Arguments/Remarks Made in Amendment (Oct. 23, 2015), Applicant Amendment and Arguments/Remarks Made in Amendment (July 16, 2015), Applicant Amendment and Arguments/Remarks Made in Amendment (Feb. 2, 2015), Applicant Amendment and Arguments/Remarks Made in Amendment (Aug. 22, 2014), Applicant Amendment and Arguments/Remarks Made in Amendment (Sept. 18, 2013), Applicant Amendment and Arguments/Remarks Made in Amendment (Apr. 8, 2013)</li> <li>- ’068 Patent File History at Notice of Allowance (Mar. 13, 2019), Applicant Interview (Mar. 13, 2019), Applicant Amendment and Arguments/Remarks Made in Amendment (Feb. 15, 2019), Applicant Amendment and Arguments/Remarks Made in Amendment (Oct. 9, 2018), Applicant Amendment and Arguments/Remarks Made in Amendment (Sept. 28, 2017)</li> <li>- U.S. Patent. App. No. 13/317,133</li> </ul> |
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|  |  | <p>“Streaming custom content (Audio/ Video/ Ringtones, email, chat, blogs, advertisement, business or consumer applications” Ex. C, '658 File History, RD_00000017-RD_00000462, at 0146; Ex. D, '068 Patent File History, RD_00000463-RD_00000670, at 0551.</p> <p>“An internet software technology (Cloud based), which provides an icon based web user interface delivering business applications and a broad spectrum of content such as marketing, sales, operations, manufacturing, financial, documents, spreadsheets, presentations~ audio, video, and database listings, custom or off the shelf business applications, any or all custom business application, games, or any other application or content type. Personal web accounts allow users to manage important applications and data or information how they want.” Ex. C, '658 File History, RD_00000017-RD_00000462, at 0117; Ex. D, '068 Patent File History, RD_00000463-RD_00000670, at 0553.</p> <p>“1) Content data is any data or information that is stored remotely on servers that are generally accessible over the internet.” Ex. C, '658 File History, RD_00000017-RD_00000462, at 0131, 0447; Ex. D, '068 Patent File History, RD_00000463-RD_00000670, at 0566.</p> <p>“A system for managing web-based content data and content applications, the system comprising: a) server accessible over the internet/Intranet from remote computer devices; and b) a master content application that runs on the server and includes software coded for organizing content data and content applications from multiple web pages on a</p> | <ul style="list-style-type: none"> <li>- U.S. Pub. No. 2012/0089704</li> <li>- U.S. Patent App. No. 15/731,543</li> <li>- U.S. Pub. No. 2017/0310782</li> <li>- U.S. Provisional App. No. 61/404,860 [RD_00000790 at -795-808]</li> <li>- U.S. Provisional App. No. 61/463,539 [RD_00000809 at -814-817]</li> </ul> |
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|          |                                                                        | <p>dynamic user page, wherein software programs the remote computer devices to operate a slide tool capable of scrolling or paging through the content data or the content applications in real time.” Ex. C, ’658 File History, RD_00000017-RD_00000462, at 0136; Ex. D, ’068 Patent File History, RD_00000463-RD_00000670, at 0571.</p> <p>“The system of the present invention manages and deploys web-based content data and/or content applications through a remote server.” Ex. C, ’658 File History, RD_00000017-RD_00000462, at 0138; Ex. D, ’068 Patent File History, RD_00000463-RD_00000670, at 0573.</p> <p><b>EXTRINSIC EVIDENCE:</b></p> <p>Ex. E, MICROSOFT COMPUTER DICTIONARY, at 125-126 (5th ed., 2002) (defining “content provider”).</p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>3</b> | <p>“real time”</p> <p>[’658 Claims 1, 7, 12]</p> <p>[’068 Claim 1]</p> | <p><b>PROPOSED CONSTRUCTION:</b></p> <p>“matching the human perception of time or proceeding at approximately the same rate as a physical or external process”</p> <p><b>INTRINSIC EVIDENCE:</b></p> <p>“A cloud-based computer system and architecture for managing and migrating through web-based content data and content applications from multiple content data sources or service providers in real time is disclosed. The cloud-based computing system and architecture of the present invention includes a log-in or master server that acts as a single point access and supports a single user interface. The single user interface is</p>                                                                                                          | <p><b>PROPOSED CONSTRUCTION:</b></p> <p>Plain and ordinary meaning</p> <p><b>INTRINSIC EVIDENCE:</b></p> <p>“A cloud-based computer system and architecture for managing and migrating through web-based content data and content applications from multiple content data sources or service providers in real time is disclosed. The cloud-based computing system and architecture of the present invention includes a log-in or master server that acts as a single point access and supports a single user interface. The single user interface is preferably an icon-based master web-page with a slide tool that allows a user to scroll or page</p> |

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|  | <p>preferably an icon-based master web-page with a slide tool that allows a user to scroll or page through the content data and/or content applications from the multiple content data sources or service providers in real time from a logged in remote computer device” APs, at Abstract.</p> <p>“Most cloud-based computing systems and architectures include a master server that networks to other service provider servers and streams content data to the master server that is then accessed through the remote computing device. Cloud-based computing provides for the ability to expand a user's ability to access the multiple sources of content data and/or services through the master server. However, currently available computing systems requires multiple log-in procedures for accessing the multiple sources of content data and/or services and/or do not provide for the ability to manage the content data and/or services from multiple sources through a single user interface. Accordingly, the present invention is directed to a cloud-based computing system and architecture for managing the content data and/or services from multiple sources through a single user interface in real time.” APs, at 1:47-62.</p> <p>“The present invention is directed to a cloud-based computer system and architecture for managing and migrating through web-based content data and content applications from multiple content data sources or service providers in real time. The cloud-based computing system and architecture of the present invention includes a log-in or master server that acts as a single point access and supports a user interface.” APs, at 2:30-37.</p> <p>“In operation, a user logs into the log-in or master</p> | <p>through the content data and/or content applications from the multiple content data sources or service providers in real time from a logged in remote computer device.” ’658 Patent at Abstract.</p> <p>“Cloud-based computing provides computation, software, data access, and storage services that do not require a user to have knowledge of the physical location and configuration of the system and architecture that delivers the content data and/or services. Cloud-based computing can include the delivery of any kind of content data and/or services in real-time, which extend the capabilities to a remote computing device, typically over the internet.</p> <p>Most cloud-based computing systems and architectures include a master sever that networks to other service provider servers and streams content data to the master server that is then accessed through the remote computing device. Cloud-based computing provides for the ability to expand a user's ability to access the multiple sources of content data and/or services through the master server. However, currently available computing systems requires multiple log-in procedures for accessing the multiple sources of content data and/or services and/or do not provide for the ability to manage the content data and/or services from multiple sources through a single user interface. Accordingly, the present invention is directed to a cloud-based computing system and architecture for managing the content data and/or services from multiple sources through a single user interface in real time.” ’658 Patent at 1:39–62.</p> <p>“A second type of scrolling application includes a</p> |
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|  | <p>server over the internet/intranet from a remote computing device. The server accesses the multiple content data sources or provider through their respective servers in the cloud-based computing environment based on enabled user or account preferences. The log-in or master server is programmed to run and execute a master content application software that is coded for organizing content data and content applications from the multiple content sources or service providers on a single master web-page. The master web-page is a 'dynamic' in the sense that the master web-page displays streaming content data and content applications from the multiple content data sources in real time." APs, at 2:47-59.</p> <p>"The master content application software, hereafter master program, is further configured to program the remote computing device with code to operate a slide tool. The slide tool allows a user to scroll or page through the content data and/or content applications in real time from master server." APs, at 2:60-65.</p> <p>"Unlike prior art cloud-based computing system and architectures, the present invention is capable of being integrated directly into the content applications from the multiple content data sources or service providers and, thus, is capable of providing for the ability to migrate through the content data on the dynamic master web-page in real time." APs, at 2:66-3:4.</p> <p>"FIG. 2B shows a representation dynamic user web-page for displaying and scrolling or paging through content data and/or content application from multiple content sources in real-time with a</p> | <p>"plug-in and play" software that is operated from a computing device, such as a lap-top or desk-top computer. In a plug-in and play environment, a user downloads the plug-in and play software from their computing device and the plug-in and play software then allows the user to execute functions for scrolling or migrating through various web-pages of content data displayed on a web-site interface in a "slide-like" presentation. In this case, the computing device must be compatible with the plug-in and play software and the plug-in and play software is not capable of being integrating directly into web-based application, such as to allow the user to migrates through content data from multiple content data sources through a single user interface in real time.</p> <p>The present invention is directed to a cloud-based computer system and architecture for managing and migrating through web-based content data and content applications from multiple content data sources or service providers in real time. The cloud-based computing system and architecture of the present invention includes a log-in or master server that acts as a single point access and supports a user interface." '658 Patent at 2:16-37, including all figures referenced in the cited passages.</p> <p>"In operation, a user logs into the log-in or master server over the internet/intranet from a remote computing device. The server accesses the multiple content data sources or provider through their respective servers in the cloud-based computing environment based on enabled user or account preferences. The log-in or master server is</p> |
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|  | <p>slide tool, in accordance with the embodiments of the invention.” APs, at 3:48-53; <i>see also</i> Fig. 2.</p> <p>“A dynamic user web-page or master web-page is a web-page viewable remotely from a remote computing device via log-in server or master server and which displays a slide tool that scrolls or pages through content data and/or content application from multiple content data Sources and/ or service providers in real time.” APs, at 4:21-26.</p> <p>“With the remote computing device 111 enabled with the slide tool or scrolling tool 126, a user can view his or her master web-page 201” and scroll through or page through content data and content applications 101”, 103 and 105 from corresponding set of content data sources or service provider servers 101, 103, and 105 in real time.” APs, at 5:21-26.</p> <p>“The present invention provides an expandable solution for managing content data in a cloud-based computing environment which is capable of being integrated into applications from multiple sources. The invention provides users with a highly interactive experience and the ability migrate through the content data and applications on the dynamic master web-page in real time. The dynamic master web-page preferably includes an icon-based interface and is capable delivering a broad spectrum of content data such as marketing data, sales data, operations data, manufacturing data, financial data, documents, spreadsheets, presentations, audio data, video data, database listings, custom or off the shelf business applications, games, or any other content data or application data.” APs, at 6:35-48.</p> | <p>programmed to run and execute a master content application software that is coded for organizing content data and content applications from the multiple content sources or service providers on a single master web-page. The master web-page is a “dynamic” in the sense that the master web-page displays streaming content data and content applications from the multiple content data sources in real time.</p> <p>The master content application software, hereafter master program, is further configured to program the remote computing device with code to operate a slide tool. The slide tool allows a user to scroll or page through the content data and/or content applications in real time from master server on a master web-page from the remote computer device.” ’658 Patent at 2:47–65, including all figures referenced in the cited passages.</p> <p>“A dynamic user web-page or master web-page is a web-page viewable remotely from a remote computing device via log-in server or master server and which displays a slide tool that scrolls or pages through content data and/or content application from multiple content data sources and/or service providers in real time.” ’658 Patent at 4:21–26.</p> <p>“With the remote computing device 111 enabled with the slide tool or scrolling tool 126, a user can view his or her master web-page 201’ and scroll through or page through content data and content applications 101’, 103 and 105’ from corresponding set of content data sources or service provider servers 101, 103, and 105 in real time.” ’658 Patent at 5:21–26.</p> |
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|  |  | <p>“And while there are a number of prior art teachings from receiving and organizing data from multiple web sources or content providers onto a personal device, none of the prior art appears to teach a tool that operates from a personal device that allows a user to scroll or page through multiple live-streamed web sources or content providers on a single user interface or web-page hosted on a master server such as currently claimed.” Ex. C, ’658 File History, RD_00000017-RD_00000462, at 0244; Ex. D, ’068 Patent File History, RD_00000463-RD_00000670, at 0537.</p> <p>“Further, there appears to be no mention in the teachings of Davis of a tool that operates from a personal device that allows a user to scroll or page through multiple live-streamed web sources or content providers from a single user interface or page, as currently claimed.” Ex. C, ’658 File History, RD_00000017-RD_00000462, at 0290; Ex. D, ’068 Patent File History, RD_00000463-RD_00000670, at 0537.</p> <p>“In contrast to the prior art, the present invention is directed to two-part solution. The first part is a navigation tool with a corresponding navigation application that executes from a user's personal device and allows a user to scroll or flip through various live-steamed content data or content applications from multiple fixed or stationary and selected content sources or service providers, as opposed to mobile phones, using his or her personal computing device. The content data or content applications are being streamed in real-time simultaneously from the multiple fixed or stationary and selected content sources or service providers via their respective servers to the master</p> | <p>“The present invention provides an expandable solution for managing content data in a cloud-based computing environment which is capable of being integrated into applications from multiple sources. The invention provides users with a highly interactive experience and the ability migrate through the content data and applications on the dynamic master web-page in real time. The dynamic master web-page preferably includes an icon-based interface and is capable delivering a broad spectrum of content data such as marketing data, sales data, operations data, manufacturing data, financial data, documents, spreadsheets, presentations, audio data, video data, database listings, custom or off the shelf business applications, games, or any other content data or application data.” ’658 Patent at 6:35–48, including all figures referenced in the cited passages.</p> <ul style="list-style-type: none"> <li>- ’068 Patent at Abstract, 1:47–54, 2:24–45, 2:55–3:6, 4:31–37, 5:32–37, 6:46–59, including all figures referenced in the cited passages</li> <li>- ’658 Patent File History at Notice of Allowance (Apr. 6, 2017), Applicant Amendment and Arguments/Remarks Made in Amendment (Jan. 18, 2017), Applicant Amendment and Arguments/Remarks Made in Amendment (Dec. 12, 2016), Applicant Amendment and Arguments/Remarks Made in Amendment (Aug. 9, 2016), Applicant Interview (Aug. 2, 2016), Applicant Amendment and Arguments/Remarks Made in Amendment (Oct. 23, 2015), Applicant</li> </ul> |
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|  | <p>server. In accordance with the present invention, a user does not need to open up multiple web-sites to view web-sites from the multiple fixed or stationary and selected content sources or service providers simultaneously over a single user interface or page. The second part of the invention is an application that is executed from the master server, that directs live-steamed content data or content applications to the single user interface or page simultaneously, such that the user can view the content data or content applications streamed from the multiple fixed or stationary and selected content sources or service providers simultaneously and/or scroll, swipe or page through the corresponding web pages from his or her personal device without opening or re-opening corresponding web-pages each time.” Ex. C, ’658 File History, RD_00000017-RD_00000462, at 0290; Ex. D, ’068 Patent File History, RD_00000463-RD_00000670, at 0538.</p> <p><b>EXTRINSIC EVIDENCE:</b></p> <p>Ex. E, MICROSOFT COMPUTER DICTIONARY, at 441 (5th ed., 2002) (defining “real-time”).</p> <p>Ex. G, THE AUTHORITATIVE DICTIONARY OF IEEE STANDARDS TERMS, at 933 (7th ed. 2000) (defining “Real Time”).</p> <p>Ex. H, <i>Amazon CloudFront</i>, <a href="https://web.archive.org/web/20100809075552/http://aws.amazon.com:80/cloudfront/">https://web.archive.org/web/20100809075552/http://aws.amazon.com:80/cloudfront/</a> at 4 (2010).</p> <p>Ex. I, <i>Amazon Web Services Introduces Media Streaming to Its Content Deliver Service Amazon Cloudfront</i>, at 1-2 (Dec. 15, 2009).</p> | <p>Amendment and Arguments/Remarks Made in Amendment (July 16, 2015), Applicant Amendment and Arguments/Remarks Made in Amendment (Feb. 2, 2015), Applicant Amendment and Arguments/Remarks Made in Amendment (Aug. 22, 2014), Applicant Amendment and Arguments/Remarks Made in Amendment (Sept. 18, 2013), Applicant Amendment and Arguments/Remarks Made in Amendment (Apr. 8, 2013)</p> <ul style="list-style-type: none"> <li>- ’068 Patent File History at Notice of Allowance (Mar. 13, 2019), Applicant Interview (Mar. 13, 2019), Applicant Amendment and Arguments/Remarks Made in Amendment (Feb. 15, 2019), Applicant Amendment and Arguments/Remarks Made in Amendment (Oct. 9, 2018), Applicant Amendment and Arguments/Remarks Made in Amendment (Sept. 28, 2017)</li> <li>- U.S. Patent. App. No. 13/317,133</li> <li>- U.S. Pub. No. 2012/0089704</li> <li>- U.S. Patent App. No. 15/731,543</li> <li>- U.S. Pub. No. 2017/0310782</li> <li>- U.S. Provisional App. No. 61/404,860 [RD_00000790 at -795–808]</li> <li>- U.S. Provisional App. No. 61/463,539 [RD_00000809 at -814-817]</li> </ul> |
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|  | <p>Ex. J, Schulzrinne, H., <i>Real Time Streaming Protocol</i>, RFC 2326, at 4, 7 (Apr. 1998).</p> <p>Ex. K, <i>HTTP Streaming Architecture</i>, at 1-2 (2010).</p> <p>Ex. L, <i>How Do I Stream FAQ</i>, at 1, <a href="https://help.twitch.tv/s/article/how-do-i-stream-faq?language=en_US">https://help.twitch.tv/s/article/how-do-i-stream-faq?language=en_US</a></p> <p>Ex. M, <i>Twitch Engineering: An Introduction and Overview</i>, at 3 (Dec. 18, 2015).</p> |  |
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