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(54) Title: SYSTEM AND METHOD FOR STORING CLIENT-SIDE CERTIFICATE CREDENTIALS

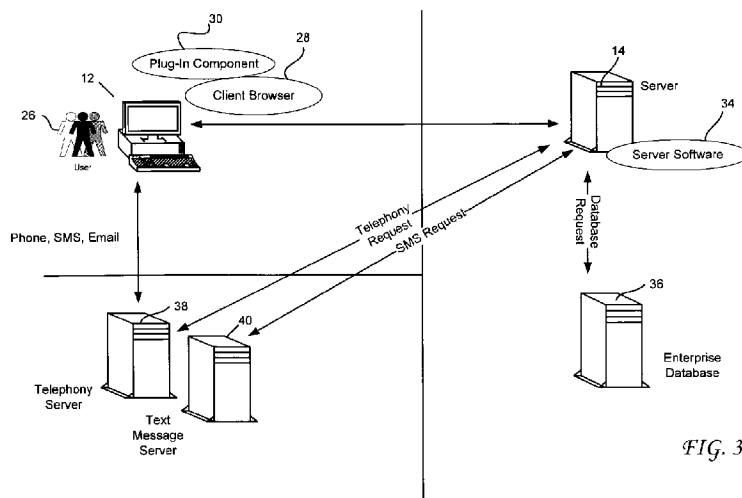


FIG. 3

(57) Abstract: A method and system is provided for storing a plurality of client certificate credentials via a client web browser into one or more keystore file(s). The client web browser is used to establish the secure data transfer link between the client and the server. The client web browser includes a plug-in software component. The plug-in software component is configured to generate the keystore file and a key pair. The method may continue with generating a certificate request on the client. The certificate request generated is then transmitted to a certificate server. The certificate server is configured to digitally sign the certificate request generated. The method continues with the client receiving a signed certificate request. The signed certificate request is received by the client via the client web browser. The method may conclude by storing the plurality of client certificate credentials associated with the signed certificate request in one or more keystore file(s).

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<p>A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - G06F 19/00 (2009.01) USPC - 713/157 According to International Patent Classification (IPC) or to both national classification and IPC</p>																	
<p>B. FIELDS SEARCHED</p> <p>Minimum documentation searched (classification system followed by classification symbols) USPC: 713/157</p> <p>Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched 700/1, 90; 705/50, 56, 65, 76; 709/208, 213, 223, 225; 713/150, 155-156</p> <p>Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) USPTO WEST (PGPB, USPT, EPAB, JPAB); GOOGLE Search Terms Used: certificate, signature, credential, key, database, keystore, plug, applet, serve, multi, factor, multifactor, VPN, SSL, virtual, private, network, secure, sockets, layer, pair</p>																	
<p>C. DOCUMENTS CONSIDERED TO BE RELEVANT</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:10%;">Category*</th> <th style="width:70%;">Citation of document, with indication, where appropriate, of the relevant passages</th> <th style="width:20%;">Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td align="center">X</td> <td>US 2004/0268148 A1 (KARJALA et al.) 30 December 2004 (30.12.2004), entire document, especially para [0019]-[0027], [0037]-[0050], [0074]-[0075] and Figs 3-4</td> <td align="center">1-19</td> </tr> <tr> <td align="center">A</td> <td>US 2006/0294366 A1 (NADALIN et al.) 28 December 2006 (28.12.2006)</td> <td align="center">1-19</td> </tr> <tr> <td align="center">A</td> <td>US 2006/0015716 A1 (THORNTON et al.) 19 January 2006 (19.01.2006)</td> <td align="center">1-19</td> </tr> <tr> <td align="center">A</td> <td>US 2003/0041136 A1 (CHELINE et al.) 27 February 2003 (27.02.2003)</td> <td align="center">1-19</td> </tr> </tbody> </table>			Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X	US 2004/0268148 A1 (KARJALA et al.) 30 December 2004 (30.12.2004), entire document, especially para [0019]-[0027], [0037]-[0050], [0074]-[0075] and Figs 3-4	1-19	A	US 2006/0294366 A1 (NADALIN et al.) 28 December 2006 (28.12.2006)	1-19	A	US 2006/0015716 A1 (THORNTON et al.) 19 January 2006 (19.01.2006)	1-19	A	US 2003/0041136 A1 (CHELINE et al.) 27 February 2003 (27.02.2003)	1-19
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<p>Date of the actual completion of the international search</p> <p>14 April 2009 (14.04.2009)</p>		<p>Date of mailing of the international search report</p> <p align="center">20 APR 2009</p>															
<p>Name and mailing address of the ISA/US</p> <p>Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201</p>		<p>Authorized officer:</p> <p align="center">Lee W. Young</p> <p>PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774</p>															