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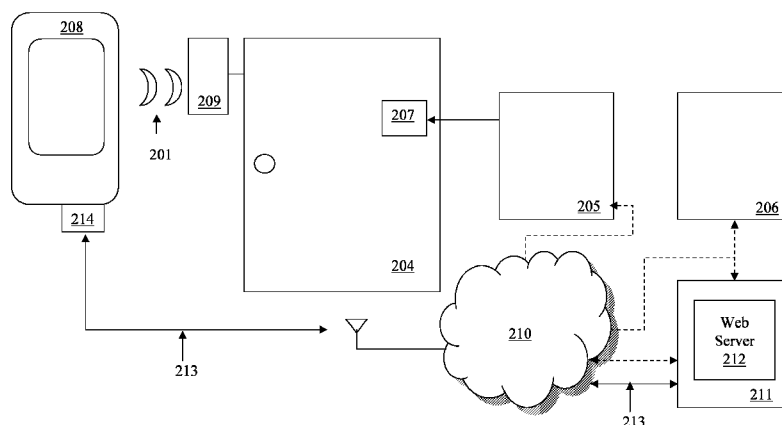
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(54) Title: METHOD AND SYSTEM FOR PROVIDING IDENTITY, AUTHENTICATION, AND ACCESS SERVICES



(57) Abstract: Described herein are methods and systems for providing identity, authentication, and access control services in a mobile environment utilizing data encoded tags. A server computing device receives tag data and user data from a mobile device, the tag data read from a data-encoded tag in proximity to the mobile device using a short-range communication protocol, and the user data stored on the mobile device. The server computing device authenticates a user of the mobile device based on the user data, determines whether the user is authorized to access an access point associated with the data-encoded tag, transmits a message to the access point that instructs the access point to grant user access if the user is authorized, receives a response from the access point indicating that user access is granted and transmits a message to the mobile device indicating to the user that access is granted to the access point.



INTERNATIONAL SEARCH REPORT

International application No.

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<p>A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - H04L 9/32 (2013.01) USPC - 340/5.2 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) IPC(8) - H04L 9/00, 14, 32 (2013.01) USPC - 340/5.2, 5.3, 5.6, 5.7, 5.8, 7.2; 705/1.1</p> <p>Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched CPC - G07C 9/00007, 00015, 00103, 00111, 00119; 2009/00412 (2013.01)</p> <p>Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) PatBase, Google Patents, Google Scholar</p>																										
<p>C. DOCUMENTS CONSIDERED TO BE RELEVANT</p> <table border="1"> <thead> <tr> <th>Category*</th> <th>Citation of document, with indication, where appropriate, of the relevant passages</th> <th>Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>Y</td> <td>US 2006/0101280 A1 (SAKAI) 11 May 2006 (11.05.2006) entire document</td> <td>1-29</td> </tr> <tr> <td>Y</td> <td>US 2010/0088516 A1 (FRANK et al) 08 April 2010 (08.04.2010) entire document</td> <td>1-29</td> </tr> <tr> <td>Y</td> <td>US 4,958,064 A (KIRKPATRICK) 18 September 1990 (18.09.1990) entire document</td> <td>4-6, 18-20</td> </tr> <tr> <td>Y</td> <td>US 2008/0238610 A1 (ROSENBERG) 02 October 2008 (02.10.2008) entire document</td> <td>8-9, 22-23</td> </tr> <tr> <td>Y</td> <td>US 2001/0000045 A1 (YU et al) 15 March 2001 (15.03.2001) entire document</td> <td>11, 25</td> </tr> <tr> <td>Y</td> <td>US 2008/0103980 A1 (FINLEY et al) 01 May 2008 (01.05.2008) entire document</td> <td>12-13, 26-27</td> </tr> <tr> <td>A</td> <td>US 20110183717 A1 (BREDE) 28 July 2011 (28.07.2011) entire document</td> <td>1-29</td> </tr> </tbody> </table>			Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	Y	US 2006/0101280 A1 (SAKAI) 11 May 2006 (11.05.2006) entire document	1-29	Y	US 2010/0088516 A1 (FRANK et al) 08 April 2010 (08.04.2010) entire document	1-29	Y	US 4,958,064 A (KIRKPATRICK) 18 September 1990 (18.09.1990) entire document	4-6, 18-20	Y	US 2008/0238610 A1 (ROSENBERG) 02 October 2008 (02.10.2008) entire document	8-9, 22-23	Y	US 2001/0000045 A1 (YU et al) 15 March 2001 (15.03.2001) entire document	11, 25	Y	US 2008/0103980 A1 (FINLEY et al) 01 May 2008 (01.05.2008) entire document	12-13, 26-27	A	US 20110183717 A1 (BREDE) 28 July 2011 (28.07.2011) entire document	1-29
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<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>Blaine R. Copenheaver</p> <p>PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774</p>																									