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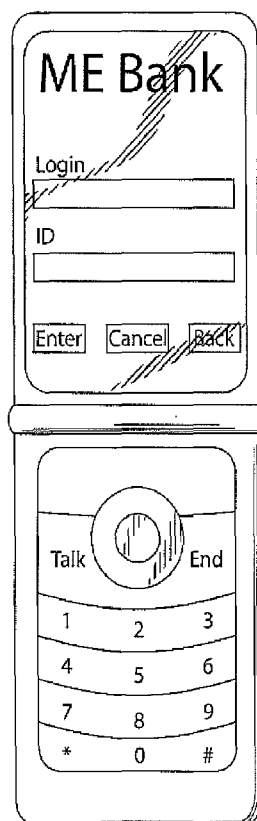
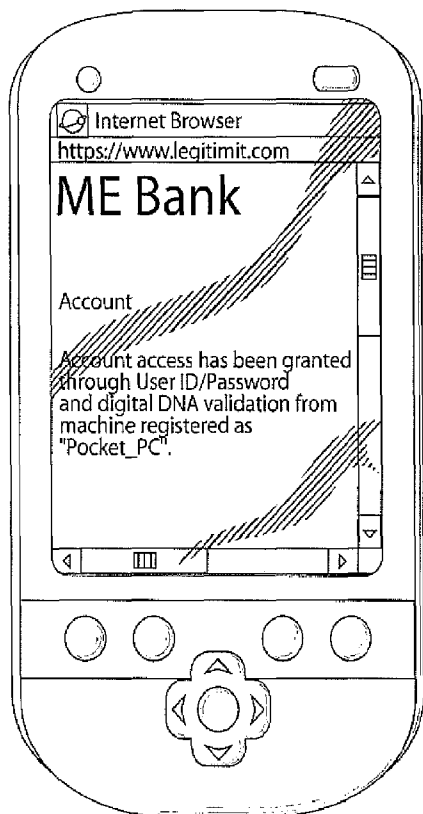
PCT

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11/591,885 2 November 2006 (02.11.2006) US
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[Continued on next page]

(54) Title: ACCESS CONTROL SYSTEM BASED ON A HARDWARE AND SOFTWARE SIGNATURE OF A REQUESTING DEVICE



(57) Abstract: A system and method for the authorization of access to a service by a computational device or devices, which may include a wireless device such as a cell phone or a smart phone. A software agent generates a digital signature for the device each time it attempts to access the service and send it to an authentication server, which compares the digital signature sent with one or more digital signatures on file to determine whether access to the service is permitted. The digital signature is generated by using hashes based on software and hardware configuration data collected from the device. The system may be used in conjunction with other authorization methods and devices.

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PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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<p>A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - H04L 9/00 (2008.04) USPC - 713/176 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 (2008.04) USPC - 713/176</p> <p>Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched USPC - 713/180; 713/169; 726/2; 380/255</p> <p>Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) PubWEST (USPT, PGPB, EPAB, JPAB); DialogPRO (Engineering); Google Scholar Search Terms: hardware, software, configuration, parameters, characteristics, authenticate, server, signature, identify, phone or mobile, hash</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>X ---- Y</td> <td>US 2006/0059265 A1 (KERONEN) 16 March 2006 (16.03.2006); entire document, especially Abstract; para [0221]-[0222], [0227], [0232], [0235], [0252], [0282]-[0283], [0319], [0332], [0416], [0418], [0420]</td> <td>17 ----- 1-16, 18-21</td> </tr> <tr> <td>Y</td> <td>US 2005/0132206 A1 (PALLIYL et al.) 16 June 2005 (16.06.2005); entire document, especially Abstract; para [0011], [0031], [0041], [0044]</td> <td>1-16, 18-21</td> </tr> </tbody> </table>			Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X ---- Y	US 2006/0059265 A1 (KERONEN) 16 March 2006 (16.03.2006); entire document, especially Abstract; para [0221]-[0222], [0227], [0232], [0235], [0252], [0282]-[0283], [0319], [0332], [0416], [0418], [0420]	17 ----- 1-16, 18-21	Y	US 2005/0132206 A1 (PALLIYL et al.) 16 June 2005 (16.06.2005); entire document, especially Abstract; para [0011], [0031], [0041], [0044]	1-16, 18-21
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<p><input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/></p>											
<p>* Special categories of cited documents:</p> <table style="width:100%;"> <tr> <td style="width:50%;"> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> </td> <td style="width:50%;"> <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&" document member of the same patent family</p> </td> </tr> </table>			<p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p>	<p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&" document member of the same patent family</p>							
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<p>Date of the actual completion of the international search</p> <p>06 June 2008 (06.06.2008)</p>		<p>Date of mailing of the international search report</p> <p align="center">13 JUN 2008</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>									