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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
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(54) Title: SYSTEM AND METHOD FOR MOBILE DATA UPDATE

(57) Abstract: Data is shared between multiple enterprise data sources and mobile clients in a distributed system such that requests from a mobile client for enterprise data are received, the appropriate enterprise data sources that contain the requested data are determined, and the enterprise data is retrieved from the determined enterprise data sources. Data maintained at a mobile client is shared with multiple enterprise data sources. The mobile clients send requests to an application server for synchronization of data records maintained at the mobile client with corresponding data records at the enterprise data sources. The client request includes metadata that identifies enterprise data sources for the requested data records and that specifies a relational correspondence between the requested data. The mobile client data records and the corresponding data records of the enterprise data sources are compared to identify any data conflicts between the two sets of data records. Any identified data conflicts are resolved.



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# INTERNATIONAL SEARCH REPORT

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PCT/US2004/001909

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC 7    G06F17/30    G06F9/46				
According to International Patent Classification (IPC) or to both national classification and IPC				
<b>B. FIELDS SEARCHED</b>				
Minimum documentation searched (classification system followed by classification symbols) IPC 7    G06F				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, IBM-TDB, INSPEC				
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>				
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
X	US 6 505 200 B1 (IMS STEVEN D ET AL) 7 January 2003 (2003-01-07) column 4, line 51 - column 6, line 44 column 19, line 56 - column 21, line 17	1-21		
X	SYNCML CONSORTIUM: "SyncML Sync Protocol, version 1.0" SYNCML, 7 December 2000 (2000-12-07), XP002217356 Section 2.3-2.4	1-6, 8-13, 15-20		
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<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"> <input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.                 </td> <td style="width: 50%; border: none;"> <input checked="" type="checkbox"/> Patent family members are listed in annex.                 </td> </tr> </table>			<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.	<input checked="" type="checkbox"/> Patent family members are listed in annex.
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° Special categories of cited documents :				
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none; vertical-align: top;"> <ul style="list-style-type: none"> <li>*A* document defining the general state of the art which is not considered to be of particular relevance</li> <li>*E* earlier document but published on or after the international filing date</li> <li>*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)</li> <li>*O* document referring to an oral disclosure, use, exhibition or other means</li> <li>*P* document published prior to the international filing date but later than the priority date claimed</li> </ul> </td> <td style="width: 50%; border: none; vertical-align: top;"> <ul style="list-style-type: none"> <li>*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</li> <li>*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</li> <li>*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.</li> <li>*&amp;* document member of the same patent family</li> </ul> </td> </tr> </table>			<ul style="list-style-type: none"> <li>*A* document defining the general state of the art which is not considered to be of particular relevance</li> <li>*E* earlier document but published on or after the international filing date</li> <li>*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)</li> <li>*O* document referring to an oral disclosure, use, exhibition or other means</li> <li>*P* document published prior to the international filing date but later than the priority date claimed</li> </ul>	<ul style="list-style-type: none"> <li>*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</li> <li>*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</li> <li>*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.</li> <li>*&amp;* document member of the same patent family</li> </ul>
<ul style="list-style-type: none"> <li>*A* document defining the general state of the art which is not considered to be of particular relevance</li> <li>*E* earlier document but published on or after the international filing date</li> <li>*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)</li> <li>*O* document referring to an oral disclosure, use, exhibition or other means</li> <li>*P* document published prior to the international filing date but later than the priority date claimed</li> </ul>	<ul style="list-style-type: none"> <li>*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</li> <li>*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</li> <li>*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.</li> <li>*&amp;* document member of the same patent family</li> </ul>			
Date of the actual completion of the international search  <p style="text-align: center; font-size: 1.2em;">29 September 2004</p>	Date of mailing of the international search report  <p style="text-align: center; font-size: 1.2em;">07/10/2004</p>			
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer  <p style="text-align: center; font-size: 1.2em;">Denoual, M</p>			

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International Application No  
PCT/US2004/001909

**C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>BUTRICO M ET AL: "Enterprise data access from mobile computers: an end-to-end story" RESEARCH ISSUES IN DATA ENGINEERING, 2000. RIDE 2000. PROCEEDINGS. TENTH INTERNATIONAL WORKSHOP ON SAN DIEGO, CA, USA 28-29 FEB. 2000, LOS ALAMITOS, CA, USA, IEEE COMPUT. SOC, US, 28 February 2000 (2000-02-28), pages 9-16, XP010377083 ISBN: 0-7695-0531-7 page 11 - page 13 figures 1,2</p>	<p>1-6, 8-13, 15-21</p>
A	<p style="text-align: center;">-----</p> <p>US 5 806 074 A (DOO LIP BOON ET AL) 8 September 1998 (1998-09-08)</p> <p>column 3, line 66 - column 4, line 60 column 8, line 23 - column 10, line 20 column 13, line 15 - column 17, line 3</p> <p style="text-align: center;">-----</p>	<p>1,2,4-6, 8,9, 11-13, 15-20</p>

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No  
PCT/US2004/001909

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US 5806074	A	08-09-1998	AU 2335397 A 10-10-1997
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