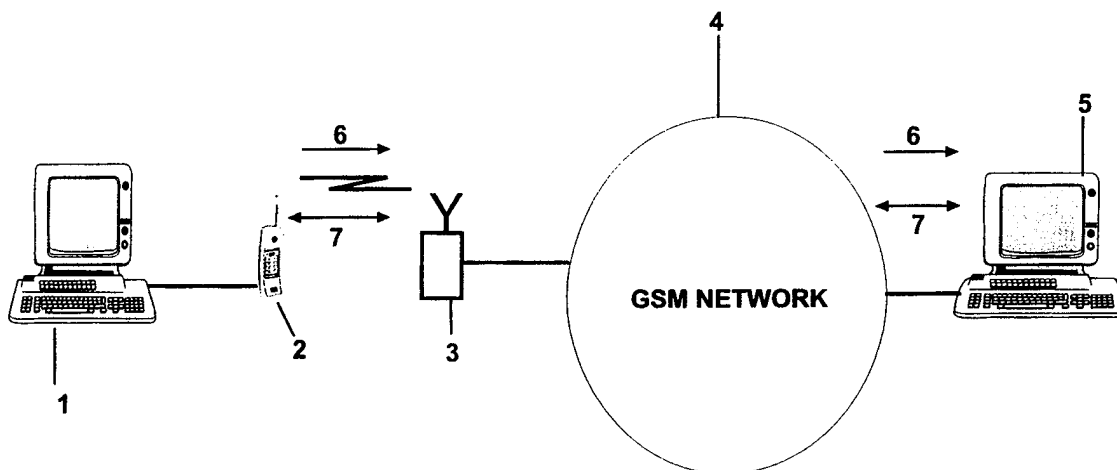




INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<p>(51) International Patent Classification ⁶ : H04Q 7/22</p>	<p>A3</p>	<p>(11) International Publication Number: WO 98/57507 (43) International Publication Date: 17 December 1998 (17.12.98)</p>
<p>(21) International Application Number: PCT/SE98/00984 (22) International Filing Date: 5 June 1998 (05.06.98) (30) Priority Data: 9702192-7 9 June 1997 (09.06.97) SE (71) Applicant: TELIA AB [SE/SE]; Mårbackagatan 11, S-123 86 Farsta (SE). (72) Inventors: URBY, Göran; S. Domarevägen 10, S-633 33 Skoghall (SE). EMILSSON, Stellan; Gränv 31, S-655 94 Karlstad (SE). (74) Agent: PRAGSTEN, Rolf; Telia Research AB, Vitsandsgatan 9, S-123 86 Farsta (SE).</p>	<p>(81) Designated States: EE, LT, LV, NO, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i> (88) Date of publication of the international search report: 11 March 1999 (11.03.99)</p>	

(54) Title: GSM NETWORK ADAPTED TO PROVIDE A SHORT MESSAGE SERVICE AND WITH DATABASES BEING SYNCHRONISED USING SMS MESSAGES



(57) Abstract

The invention provides a data communication system including a communication network having a computer terminal for each subscriber to the network and adapted to communicate with other subscribers to said network, at least one communication unit adapted to communicate with each of the subscriber computer terminals, and synchronisation means for enabling a database associated with a subscriber's computer terminal to be synchronised with a database associated with said at least one communication unit. The communication network is preferably a cellular radio communication network, such as a GSM network, that is adapted to provide a short message service (SMS), the databases being synchronised using SMS messages. The synchronisation means enable identical information to be retrieved from each of the databases and respectively displayed on a display screen of the subscriber's computer terminal and on a display screen of the said at least one communication unit. The displayed information is preferably used to provide a response to a subscriber requiring expert advice.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 98/00984

A. CLASSIFICATION OF SUBJECT MATTER

IPC6: H04Q 7/22

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC6: H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4425625 A (L. SELIGMAN ET AL), 10 January 1984 (10.01.84), column 2, line 3 - line 33	1,19,37, 43-45
Y	--	2,38
Y	EP 0724223 A1 (TANDEM COMPUTERS INCORPORATED), 31 July 1996 (31.07.96), page 5, line 53 - page 6, line 35	2,38
P,A	WO 9732439 A2 (NOKIA MOBILE PHONES LTD), 4 Sept 1997 (04.09.97), claims 1,2	1-19,25-45
	--	

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

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"P" document published prior to the international filing date but later than the priority date claimed

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"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

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"&" document member of the same patent family

Date of the actual completion of the international search

3 December 1998

Date of mailing of the international search report

10 -12- 1998

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 98/00984

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5367667 A (D.G. WAHLQUIST ET AL), 22 November 1994 (22.11.94), abstract --	1-19,25-45
A	US 5388252 A (R.A. DRESTE ET AL), 7 February 1995 (07.02.95), abstract --	1-19,25-45
A	FR 2672707 A1 (LA COMMANDO ELECTRONIQUE), 14 August 1992 (14.08.92), abstract -- -----	1-19,25-45

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE98/00984

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

I: Claims 1 - 19 and 25 - 45 directed to management of databases.

II: Claims 20 - 24 directed to cursor control on computer screens.

The two claimed inventions do not have the same or corresponding special technical features. Thus the two inventions do not fulfill the requirement of unity of invention (see PCT Rule 13.2).

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
1-19, 25-45

Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

03/11/98

International application No.

PCT/SE 98/00984

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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US 5367667 A	22/11/94	NONE	
US 5388252 A	07/02/95	NONE	
FR 2672707 A1	14/08/92	NONE	