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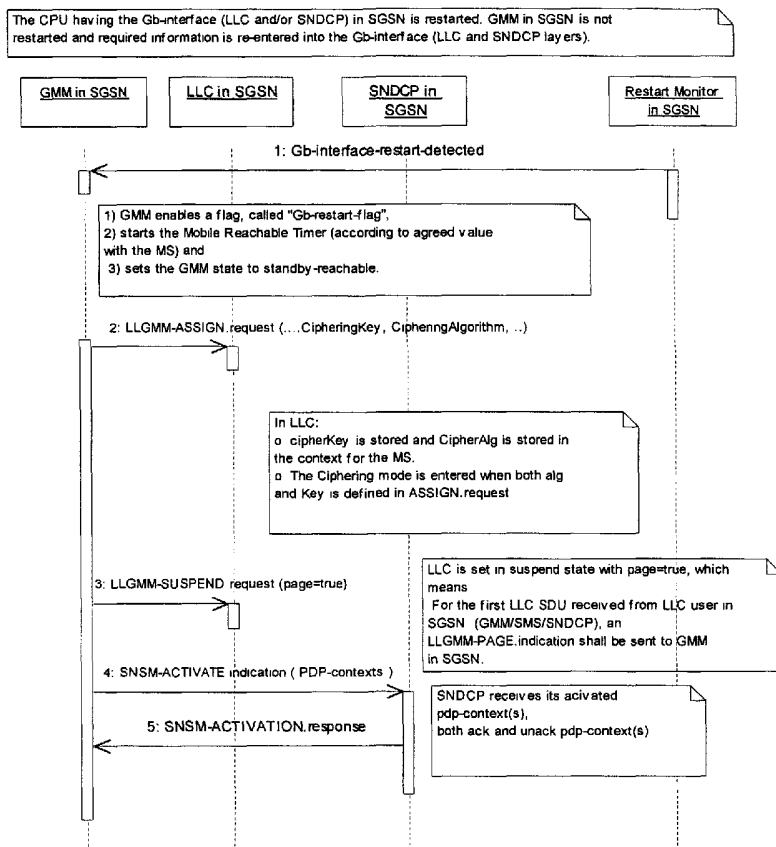
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- (71) Applicant (for all designated States except US): TELEFONAKTIEBOLAGET LM ERICSSON (publ) [SE/SE]; S-126 25 Stockholm (SE).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): HOFF, Per, Magne [NO/NO]; Skibberhei 42A, N-4817 His (NO). MO, Heine [NO/NO]; Rosenludgt. 19, N-0474 Oslo (NO). PER-LERYD, Jonas, Martin [SE/AU]; 47/100 Elgin Street, Carlton VIC 3053 (AU).
- (74) Agent: OSLO PATENTKONTOR AS; Postboks 7007M, N-0306 Oslo (NL).
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[Continued on next page]

(54) Title: METHOD FOR RE-ESTABLISHING A MS-SGSN CONNECTION AFTER A PARTIAL RESTART OF THE GB-INTERFACE IN GPRS



(57) Abstract: This new invention is a method of re-establishing MS-SGSN connections after a partial restart of SGSN, i.e., only the Gb-interface is restarted. The re-establishment is achieved without detaching the MS. With this method Ciphering is re-synchronised, PDP-contexts in unacknowledged mode are re-established, and SMS traffic over GPRS is re-established, while PDP-contexts in acknowledged mode are deactivated with order to re-activate. When the MS is moving within the coverage of a SGSN, the invention can be used to move the context closer to the used Gb-link. When the MS request better Quality of Service, the MS context can moved to more suitable SGSN resource with this invention.



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Declarations under Rule 4.17:

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PCT/NO 01/00514

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H04Q 7/22, H04Q 7/32, H04Q 7/38

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)

IPC7: H04Q, H04L

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 practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,A	WO 0145347 A2 (TELEFONAKTIEBLOAGET L M ERICSSON), 21 June 2001 (21.06.01), page 3 - page 4, abstract --	1-19
A	US 6104929 A (JOSSE ET AL), 15 August 2000 (15.08.00), column 1 - column 2, abstract --	1-19
A	US 5745695 A (GILCHRIST ET AL), 28 April 1998 (28.04.98), column 1 - column 2, abstract --	1-19

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

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 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

 Thomas Tholin/EK
 Telephone No.

INTERNATIONAL SEARCH REPORT

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>EP 0859531 A2 (TELEFONAKTIEBOLAGET L M ERICSSON), 19 August 1998 (19.08.98), column 2 - column 3, abstract</p> <p style="text-align: center;">-- -----</p>	1-19

INTERNATIONAL SEARCH REPORT
Information on patent family members

06/07/02

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