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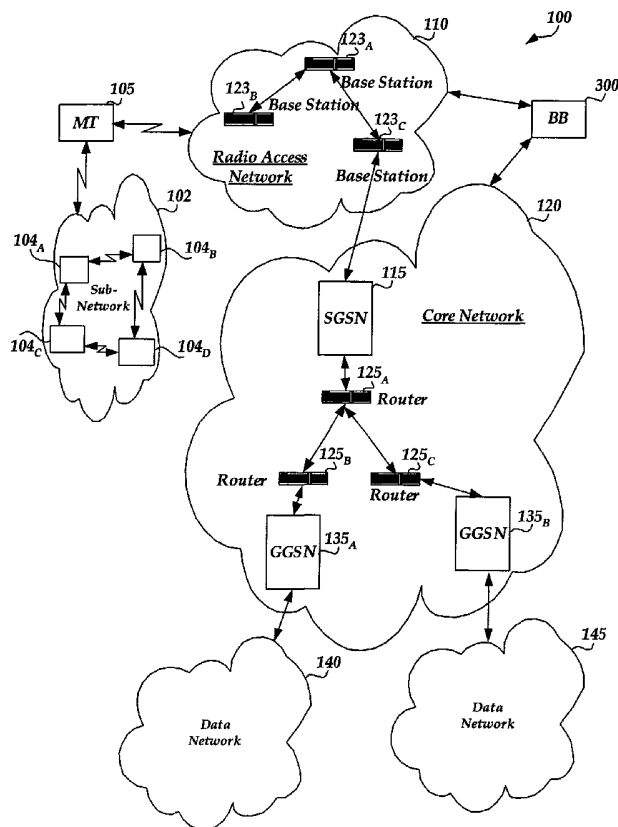
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[Continued on next page]

(54) Title: METHOD AND SYSTEM FOR ADDING IP ROUTES TO A ROUTING MOBILE TERMINAL WITH 3G MESSAGES



(57) Abstract: The invention is directed to enabling an serving node (115) and a gateway node (135) to be informed of a new route for a new node or sub-network (102) that has become active behind a Mobile Terminal (105) that can also act as a router. When IP level route injection occurs at the Mobile Terminal (105), a Modify session profile message causes insertion of a new IP address or prefix at a gateway node related to the new route. Also, the gateway node (135) will update the serving node (115) and the Mobile Terminal (105) with information related to the new route or a proposed new route. The Mobile Terminal (105) and the gateway node (135) can share routing information over a dynamic routing protocol.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER		
IPC(7) : H04L 12/28; H04J 3/16.		
US CL : 370/389, 465, 466, 467, 469; 709/227.		
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) U.S. : 370/389, 465, 466, 467, 469; 709/227.		
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) EAST: mobile IP, session, GPRS, gateway.		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X, P	US 6,487,605 B1 (LEUNG) 26 NOVEMBER 2002 (26.11.2002), COLUMN 11 LINES 25-55, COLUMN 15 LINES 30-50, FIGURE 2B.	1-34
A, E	US 6,563,919 B1 (ARAVAMUDHAN ET AL) 13 MAY 2003 (13.05.2003), COLUMN 8 LINES 10-50, COLUMN 9 LINES 5-25.	1-34
A, E	US 6,584,098 B1 (DUTNALL) 24 JUNE 2003 (24.06.2003), FIGURE 3, COLUMN 8; LINES 45-65, COLUMN 9 LINES 20-60.	1-34
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
* Special categories of cited documents:		
"A"	document defining the general state of the art which is not considered to be of particular relevance	"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
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"O"	document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P"	document published prior to the international filing date but later than the priority date claimed	
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