

(19)



Europäisches Patentamt

European Patent Office

Office européen des brevets



(11)

EP 0 644 517 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
26.06.1996 Bulletin 1996/26

(51) Int Cl.⁶: **G08G 1/127, G08G 1/0967**

(43) Date of publication A2:
22.03.1995 Bulletin 1995/12

(21) Application number: **94850144.0**

(22) Date of filing: **29.08.1994**

(84) Designated Contracting States:
DE FR GB IT NL

• **Andersson, Torbjörn**
S-223 61 Lund (SE)

(30) Priority: **14.09.1993 SE 9302982**

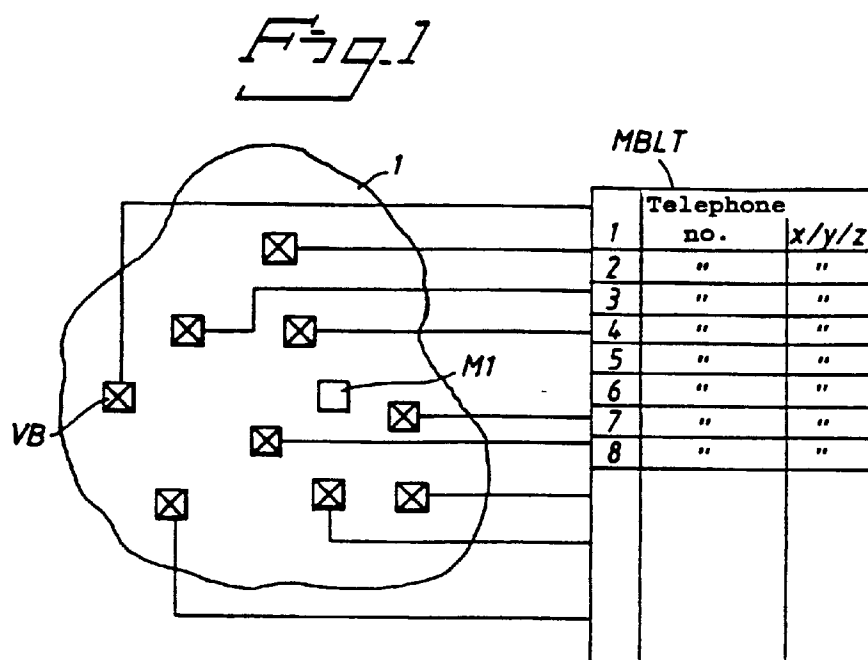
(74) Representative: **Karlsson, Berne**
Telia Research AB
Kgp (Patent Department)
Rudsjöterrassen 2
S-136 80 Haninge (SE)

(72) Inventors:
 • **Wichtel, Erik**
S-217 47 Malmö (SE)

(54) **Arrangement, method and application in a mobile system**

(57) In a mobile system for short-range communication, mobile units or vehicles are moving within the coverage area (1) of the system. Beacons (VB, RB) are arranged to communicate with the mobile units for obtaining and delivering information respectively to the mobile units for determining traffic situations, road situations

and so forth in the coverage area. As beacons, virtual beacons (VB) are included which are in connection with at least one higher-level unit (NBLT). In the last-mentioned unit, the virtual beacons are represented in tables, preferably through information on access telephone numbers and positions of the virtual beacons in the system.


EP 0 644 517 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 94 85 0144

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
A	US-A-5 173 710 (KELLEY DAVID C ET AL) 22 December 1992 * column 17, line 5 - line 39 *	1-10	G08G1/127 G08G1/0967
A	PROCEEDINGS OF THE VEHICLE NAVIGATION AND INFORMATION SYSTEMS CONFERENCE, DEARBORN, OCT. 20 - 23, 1991, vol. PART 2, 1 October 1991, INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, pages 923-928, XP000357197 WALL N: "INTEGRATED COMMUNICATIONS ARCHITECTURE FOR ROAD TRANSPORT INFORMATICS" * page 927, left-hand column, line 1 - line 26; figure 3 *	1-10	
A	EP-A-0 242 099 (ADVANCED STRATEGICS INC) 21 October 1987 * abstract; figure 1 *	1-10	
A	EP-A-0 501 058 (BY WORD TECHNOLOGIES INC) 2 September 1992 * column 10, line 50 - column 12, line 25 *	1-10	TECHNICAL FIELDS SEARCHED (Int.Cl.6) G08G G01S
P,X	VTC 1994. 'CREATING TOMORROW'S MOBILE SYSTEMS'. 1994 IEEE 44TH VEHICULAR TECHNOLOGY CONFERENCE (CAT. NO.94CH3438-9), PROCEEDINGS OF IEEE VEHICULAR TECHNOLOGY CONFERENCE (VTC), vol. 1, 8 - 10 June 1994, STOCKHOLM, SWEDEN, pages 396-400, XP002001654 WICHTEL E ; AKKE M ; ANDERSSON T : "Virtual beacons for RTI/IVHS data distribution " * the whole document *	1-10	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 26 April 1996	Examiner Crechet, P
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

EPO FORM 1503 01/92 (P/C/D/I)