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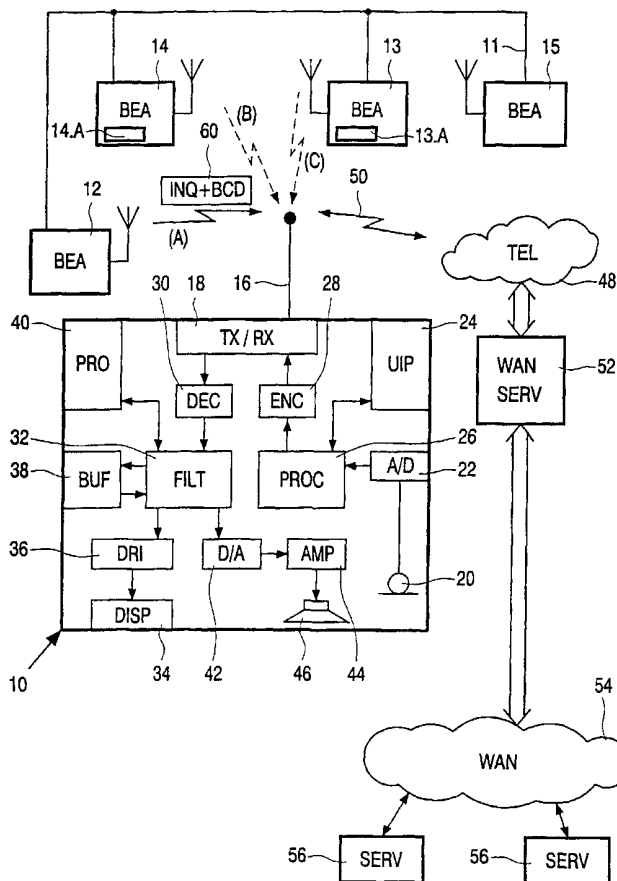
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[Continued on next page]

(54) Title: MESSAGE HANDOVER FOR NETWORKED BEACONS



(57) Abstract: A data transmission system comprises a first (12) and two or more second (13, 14, 15) beacon devices interconnected (11) as a cluster capable of wireless message transmission, and at least one mobile device (10) capable of receiving such message transmissions. The first beacon (12) is arranged to broadcast a series of inquiry messages (INQ) according to a first communications protocol, such as Bluetooth. The mobile device (10) detects such inquiry messages and replies with an identifier for itself. The link (A) from the first beacon device is then re-established between a selected one (14) of the second beacon devices. When a handover trigger event occurs, paging and page response messages are used to select a further second beacon device (13) and transfer the communications link (C) thereto.

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*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**INTERNATIONAL SEARCH REPORT**

International Application No  
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**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H04Q7/38 H04L12/28 H04L12/56

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)  
IPC 7 H04L H04Q

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, PAJ, INSPEC

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	ALBRECHT M ET AL: "IP SERVICES OVER BLUETOOTH: LEADING THE WAY TO A NEW MOBILITY" PROCEEDINGS ANNUAL CONFERENCE ON LOCAL COMPUTER NETWORKS. LCN, XX, XX, 1999, pages 2-11, XP001001314 paragraph '04.2! paragraph '05.4!	1,9
A	US 5 835 861 A (WHITESIDE B) 10 November 1998 (1998-11-10) the whole document	1,9

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*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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- \*&\* document member of the same patent family

Date of the actual completion of the international search

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## 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>HAARTSEN J: "BLUETOOTH - THE UNIVERSAL RADIO INTERFACE FOR AD HOC, WIRELESS CONNECTIVITY"            ON - ERICSSON REVIEW, ERICSSON. STOCKHOLM, SE,            no. 3, 1998, pages 110-117, XP000783249            ISSN: 0014-0171            the whole document</p> <p style="text-align: center;">---</p>	1,9
E	<p>WO 02 01815 A (KONINKL PHILIPS ELECTRONICS NV) 3 January 2002 (2002-01-03)            the whole document</p> <p style="text-align: center;">---</p>	1,9,12
E	<p>EP 1 158 820 A (HEWLETT PACKARD CO) 28 November 2001 (2001-11-28)            the whole document</p> <p style="text-align: center;">-----</p>	1,9

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report	A	Publication date	Patent family member(s)	Publication date
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			US 2001055988 A1	27-12-2001
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