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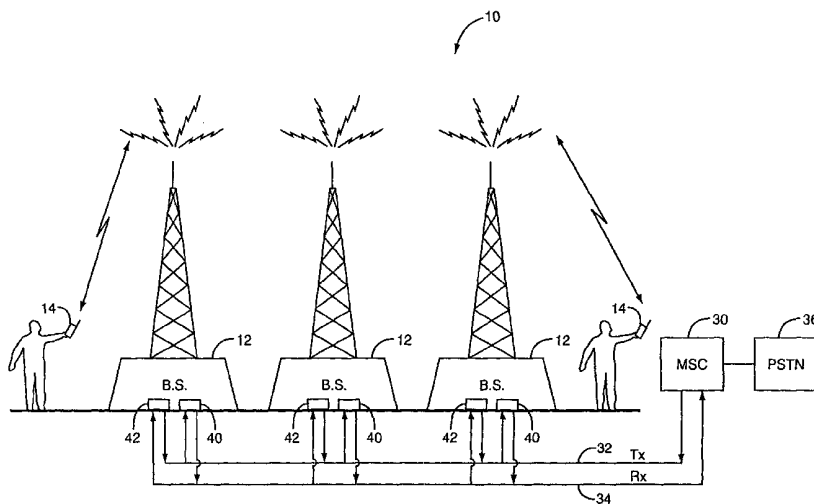
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(54) Title: METHOD TO ENABLE PEER TO PEER DEVICE COMMUNICATION OVER BI-DIRECTIONAL SERIAL BUS



(57) Abstract: The interconnection topology of a serial data communications bus allows for efficient communication within a wireless communications network. A wide-area wireless mobile communications system (10) comprises a MSC (30) connected to a plurality of base stations (12) via a serial communications bus and a first serial port (40) having a first connection order. Each base station also connects to the serial communications bus via a second serial port (42) having an opposite connection order. In one mode, the MSC communicate with each base station over the serial bus through the first serial port. In a second mode, each base station can communicate directly with any other base station over the serial bus, with one base station utilizing the first serial port, and the other base station utilizing the second serial port. The invention is also applicable to a limited-area wireless communications system.



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# INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/31390

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 H04Q7/30

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)  
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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, COMPENDEX, INSPEC, PAJ, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 799 252 A (KOJIMA TAKAFUMI ET AL) 25 August 1998 (1998-08-25) column 1, line 51 -column 2, line 9 column 2, line 18 - line 62 column 4, line 54 -column 5, line 8 column 7, line 24 - line 35 column 9, line 33 -column 10, line 5; figures 3-6 ---	1-9
Y	DE 44 23 582 A (MOTOROLA INC) 12 January 1995 (1995-01-12) column 1, line 3 - line 7 column 2, line 12 -column 4, line 55 column 5, line 57 -column 6, line 2 column 7, line 34 - line 59; figures 1,2 --- -/--	1-9

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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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.
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