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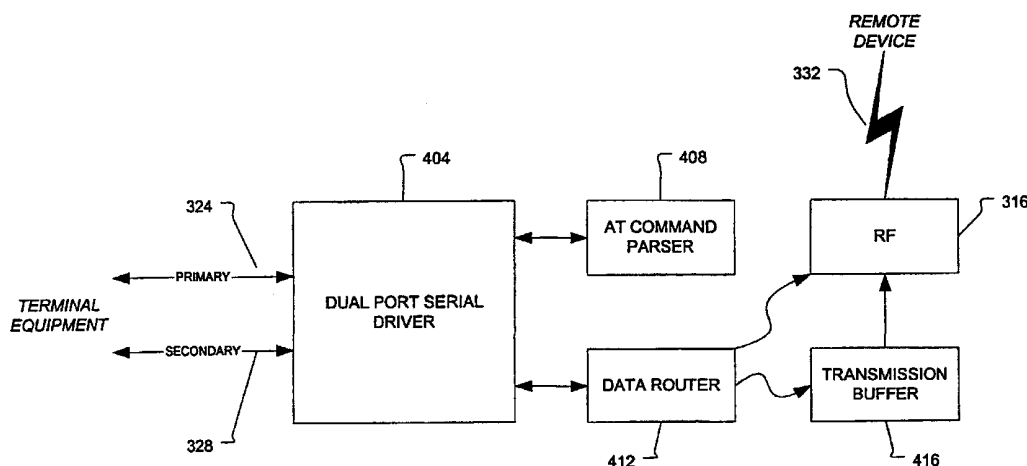
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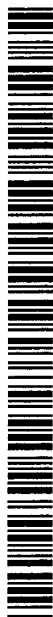
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(54) Title: DUAL PORT WIRELESS MODEM FOR CIRCUIT SWITCHED AND PACKET SWITCHED DATA TRANSFER



(57) Abstract: A dual port external wireless modem is disclosed. According to one embodiment, the external wireless modem receives command and control information over a primary serial port (324), and real-time data over a secondary serial port (328). The primary serial port is further configured to receive packet switched data, such as short message service messages, while the secondary serial port is configured to receive circuit switched data. An RF transceiver (316) in the wireless modem modulates data and control received over the respective serial ports, preferably using a GSM protocol stack. According to an embodiment, the circuit switched and packet switched data received at the wireless modem can be simultaneously transmitted by the RF transceiver without interrupting the circuit switched data transfer, thereby avoiding a context switch and a loss of throughput.



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INTERNATIONAL SEARCH REPORT

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<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC(7) :G06F 9/44, 13/10, 13/12 US CL :703/21 According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) U.S. : 703/21 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched NONE Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EAST, IEEE		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,619,508 (DAVIS et al.), 08 April 1997, fig. 1, col. 3-4.	1-14
Y	US 5,778,024 (MCDONOUGH), 07 July 1998, fig. 1, col. 2-3.	1-14
Y	US 5,809,415 (ROSSMANN) 15 September 1998, fig. 5, col. 2-3	1-14
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
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*E*	earlier document published on or after the international filing date	*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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*O*	document referring to an oral disclosure, use, exhibition or other means	*G* 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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