

(12) United States Patent Dowling et al.

(10) Patent No.: US 6,5

US 6,574,239 B1

(45) **Date of Patent: Jun. 3, 2003**

(54) VIRTUAL CONNECTION OF A REMOTE UNIT TO A SERVER

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(*) Notice: Subject to any disclaimer, the term of this

patent is extended or adjusted under 35

U.S.C. 154(b) by 0 days.

(21) Appl. No.: 09/167,698

(22) Filed: Oct. 7, 1998

 (52)
 U.S. Cl.
 370/469; 370/329

 (58)
 Field of Search
 370/329, 389,

370/468, 469; 709/203, 206, 227

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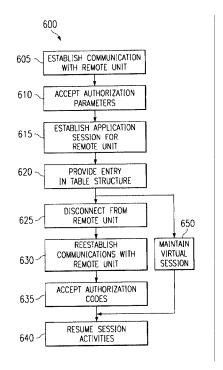
WO WO 99/27702 6/1999

Primary Examiner—Salvatore Cangialosi (74) Attorney, Agent, or Firm—Eric M. Dowling

(57) ABSTRACT

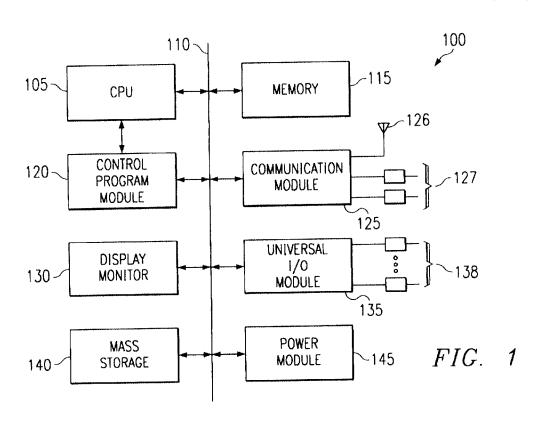
A method is provided for reconnecting a telephone modem with a reduced delay by reducing a time associated with retraining. A wireline communication connection is initialized by a telephone modem to train a set of parameters. The parameters are stored in a memory structure. The connection is used for communication, and is then terminated. At a later time, the connection is reestablished by accessing the parameters from memory and using them to reconnect the modem with a reduced set-up delay. Another method involves coupling to a first physical layer and establishing a session with a server, and then decoupling from the first physical layer while maintaining the session. Later, the session is resumed using a second physical layer. At least one of the physical layers involves a local interface unit that includes a landline connection to a WAN.

75 Claims, 4 Drawing Sheets

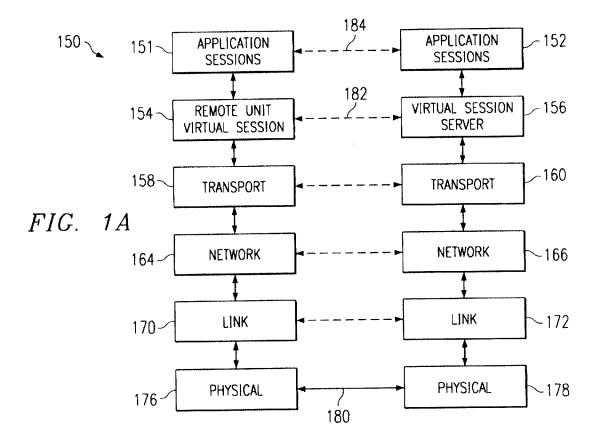




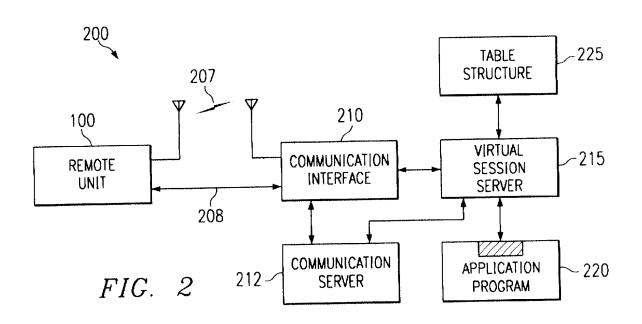
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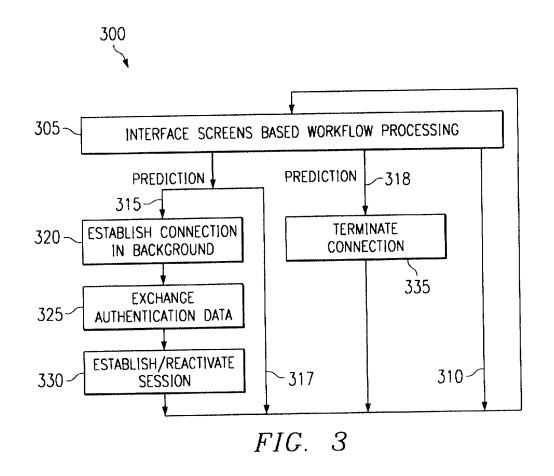


Jun. 3, 2003

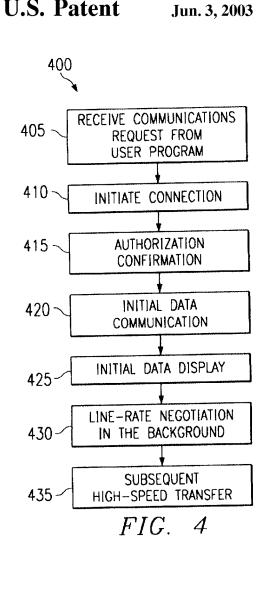


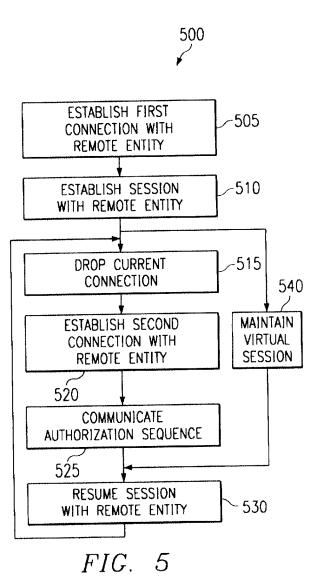
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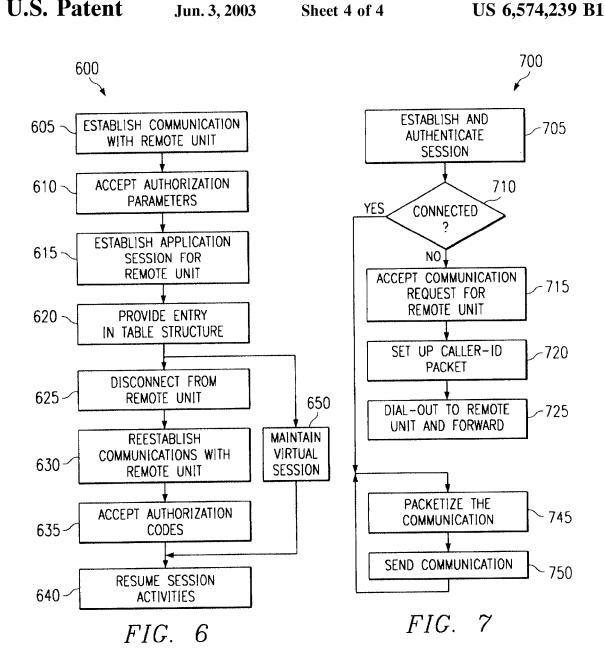


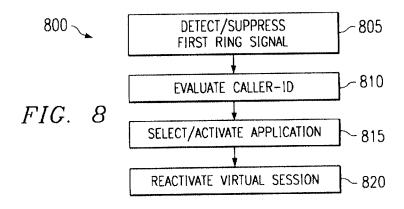














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