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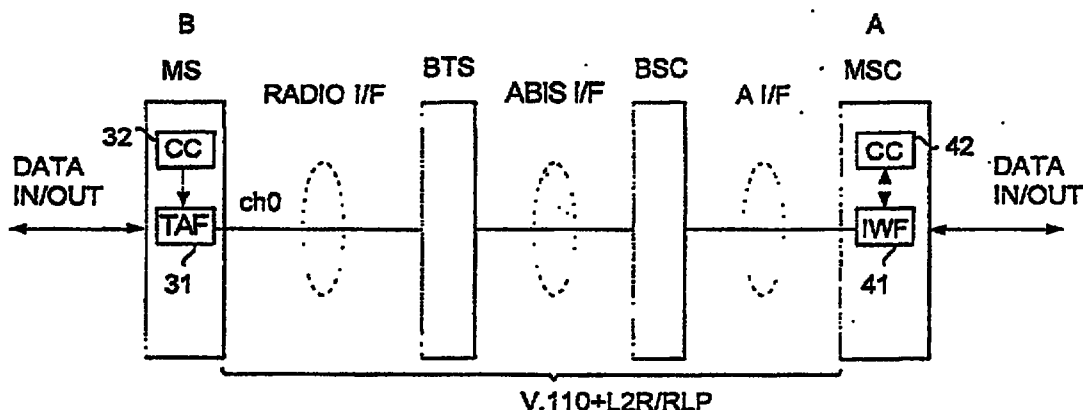
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(54) Title: **NON-TRANSPARENT DATA TRANSMISSION IN A DIGITAL TELECOMMUNICATIONS SYSTEM**



(57) Abstract

The invention relates to a digital telecommunications system, and particularly a method for non-transparent data transmission. There is a non-transparent data connection (V.110+L2R/RLP) between a transmitting party (A) and a receiving party (B), on which channel coding is employed. The transmission buffer buffers the data frames to be transmitted and stores the transmitted data frames until it receives an acknowledgement of successful reception. In accordance with the invention, this is avoided by monitoring the quality of the non-transparent connection, and if the quality of the connection drops to a specific threshold value, by changing the channel coding scheme of the connection for a more efficient one. Simultaneously, however, more channel capacity is allocated for the connection in accordance with the chosen channel coding scheme so that the original nominal user data rate can be maintained unchanged or nearly unchanged.