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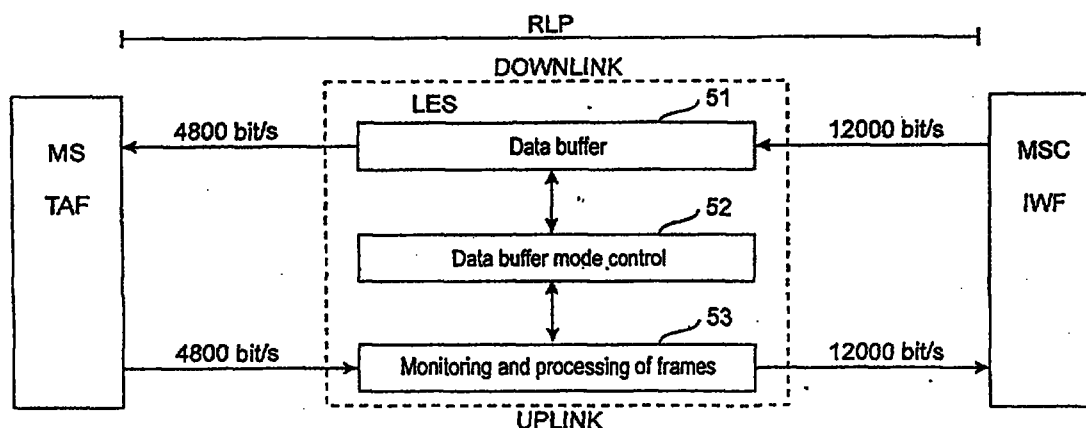
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(54) Title: RATE ADAPTATION IN A NON-UNIFORM NON-TRANSPARENT DATA CHANNEL



(57) Abstract

The invention relates to a rate adaptation method and equipment in a telecommunication system for data transmission employing a frame-structured data transmission protocol (RLP) between the telecommunication equipment (IWF, TAF) of the transmitting party and the telecommunication equipment (TAF, IWF) of the receiving party via a non-uniform non-transparent traffic channel or set of traffic channels consisting of a traffic channel section of a higher capacity and a traffic channel section of a lower capacity. The interface between the high capacity and the low capacity traffic channel section is provided with rate adaptation equipment that consists of a data buffer (51) and data buffer control (52, 53). The data buffer (51) buffers the frames received from the high capacity traffic channel section before they are transmitted to the low capacity traffic channel section. The data buffer control (52, 53) adjusts the filling level of the data buffer (51) by activating, if necessary, data flow control according to the data transmission protocol in the telecommunication equipment (IWF, TAF) of the transmitting party.