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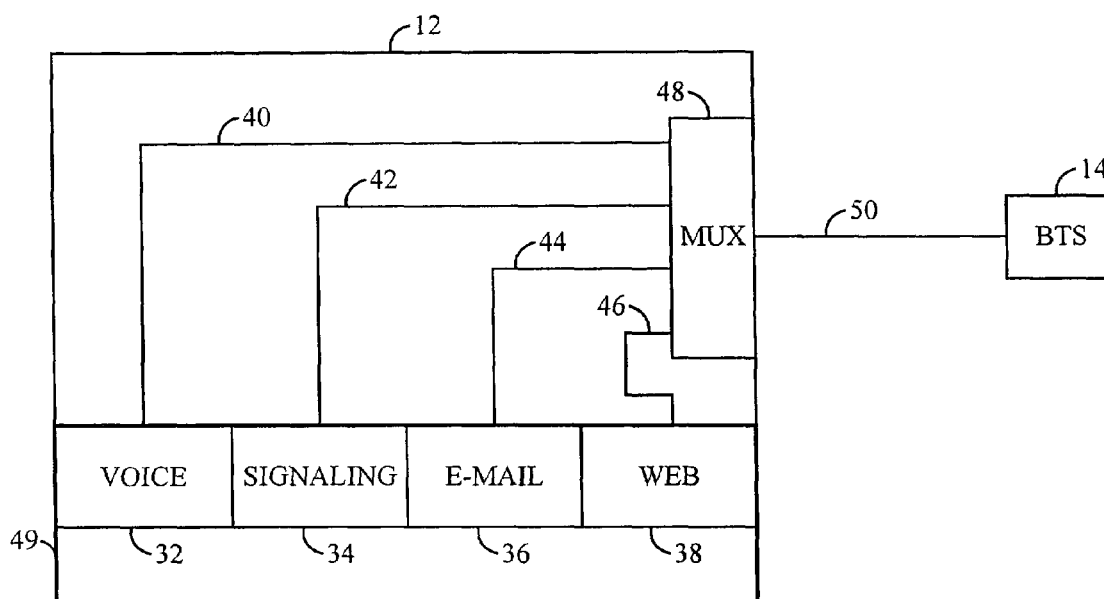
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(54) Title: METHOD AND APPARATUS FOR ALLOCATING DATA STREAMS ONTO A SINGLE CHANNEL



(57) Abstract: A method and system that enables multiplexing a plurality of data streams onto one data stream based on data stream priorities and available transport frame combinations (TFCs) is disclosed. A mobile station 12 has applications that produce separate data streams. Example applications include voice 32, signaling 34, E-mail 36 and web applications 38. The data streams are combined by a multiplexer module 48 into one data stream called the transport stream 50. The transport stream 50 is sent over the reverse link to base station transceivers (BTS) 14. The multiplexer module 48 multiplexes the data streams onto the transport stream according to their priorities and the available TFCs.