

METHOD AND APPARATUS FOR PROVIDING IMPROVED DATA COMPRESSION EFFICIENCY FOR AN ADAPTIVE DATA COMPRESSOR

ABSTRACT

A method for providing improved data compression efficiency to a data compressor unit (10) is disclosed. Before sending the uncompressed data stream to the data compressor unit (10), an incoming data byte from the uncompressed data stream is first compared with a preceding data byte from the uncompressed data stream. A first counter (25) value is incremented in response to a match between the incoming data byte and the preceding data byte. A second counter (26) value is then incremented in response to subsequent matches between an incoming data byte and its preceding data byte after the first counter (25) value has reached a preset value. The second counter (26) value is finally sent to the data compressor unit (10) at the completion of a run of the incoming data byte in substitution of a portion of the run.

Fig. 2