

ABSTRACT

SYSTEM AND METHOD FOR UTILIZING FORWARD ERROR CORRECTION WITH VIDEO COMPRESSION

A computer-implemented system and method are described for performing video compression. A method according to one embodiment comprises encoding a plurality of video frames or portions according to a first encoding format, transmitting the plurality of encoded video frames or portions to a client device, receiving feedback information from the client device, the feedback information usable to determine whether data contained in the video frames or portions has not been successfully received and/or decoded, in response to detecting that one or more video frames or portions thereof have not been successfully received and/or decoded, and applying FEC coding to selected frames or applying adaptive FEC coding to the frames and transmitting the new video frame or portion thereof to the client device.

Fig. 2a