

SYSTEM AND METHOD FOR TRANSMISSION AND RECEIVING OF IMAGE FRAMES

ABSTRACT

A system for the transmission and receiving of data comprising: a sending unit configured to receive frames of an object of interest, the sending unit comprising: a frame selector creating selected frames by selecting frames from the frames of the object of interest at set intervals, the frames not selected by the frame selector remaining on the sending unit; an encoder generating from the selected frames, selected frame latent vectors being a compressed representation of the frames of the object of interest; the sending unit sending the selected frame latent vectors to a receiving unit. The receiving unit, configured to receive the selected frame latent vectors, comprises: an interpolator reconstructing by interpolation a number of in-between latent vectors between two successive selected frame latent vectors; the interpolator sending both the received selected frame latent vectors and reconstructed in-between latent vectors to a decoder; and the decoder decoding both the received selected frame latent vectors and reconstructed in-between latent vectors and generating frames.

Fig. 1