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(54) Title: **TECHNIQUE FOR VIDEO QUALITY ESTIMATION**

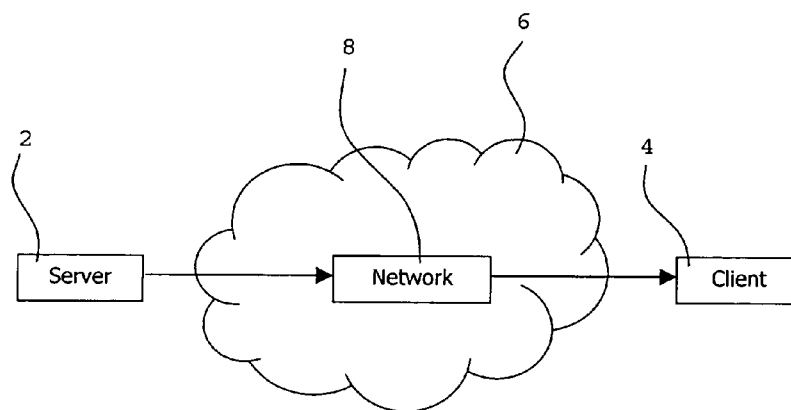


Fig. 1

(57) **Abstract:** An objective video quality estimation technique is disclosed. The technique may be based on a video bitstream model, using parameters taken from the video coding layer of the bitstream for estimating the quality of the video. The technique can be implemented as a method, a computer program, a computer program product, a device, or any one of a server node, a client terminal and a network node comprising the device. As a method embodiment, the technique comprises receiving a video bitstream comprising a series of picture frames; determining an error occurrence in a picture frame of the video bitstream; determining at least one of a temporal propagation and a spatial propagation of the error; and estimating the quality of the video bitstream based on result of the determination.