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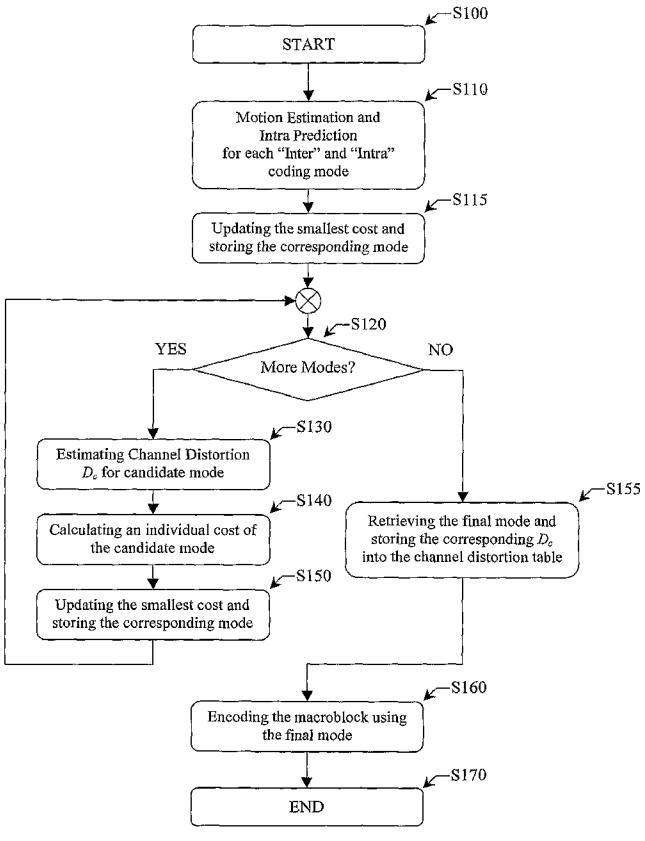
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(54) Title: METHOD, DEVICE, AND MODULE FOR IMPROVED ENCODING MODE CONTROL IN VIDEO ENCODING



(57) Abstract: In general the present invention provides a video encoder, which is arranged for adaptive encoding mode selection. The video encoder is operable with a plurality of encoding modes for encoding a current macroblock of a video sequence. The video sequence is preferably intended for being transmitted by a communication network, e.g. any circuit-switched or packet-switched communication network. A distortion estimator is arranged for estimating expected distortion values due to potential erroneous transmission of the current macroblock in dependence of the encoding modes. A decision module is arranged for selecting a final encoding mode from the plurality of encoding modes on the basis of the distortion values and encoding parameters. Further, a table is provided, which is referenced by the spatial position of the macroblock and which is updated with an accumulated distortion value. The video encoder is arranged for applying the final encoding mode for encoding the current macroblock.

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