

Title (en)

COMPARING VIDEO ENCODERS/DECODERS USING SHOT-BASED ENCODING AND A PERCEPTUAL VISUAL QUALITY METRIC

Title (de)

VERGLEICH VON VIDEOCODIERERN UND DECODIERDECODERN UNTER VERWENDUNG VON SCHUSSBASIERTER CODIERUNG UND EINER VISUELLEN WAHRNEHMUNGSQUALITÄTSMETRIK

Title (fr)

COMPARAISON DE CODEURS/DÉCODEURS VIDÉO À L'AIDE D'UN CODAGE BASÉ SUR UNE PRISE DE VUE ET D'UNE MÉTRIQUE DE QUALITÉ VISUELLE PERCEPTIVE

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Application

EP 20767636 A 20200812

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Abstract (en)

[origin: WO2021034578A1] In various embodiments, an encoder comparison application compares the performance of different configured encoders. In operation, the encoder comparison application generates a first global convex hull of video encode points based on a first configured encoder and a set of subsequences included in a source video sequence. Each video encode point is associated with a different encoded version of the source video sequence. The encoder comparison application also generates a second global convex hull of video encode points based on a second configured encoder and the subsequences. Subsequently, the encoder configuration application computes a performance value for an encoding comparison metric based on the first global convex hull and the second global convex hull. Notably, the first performance value estimates a difference in performance between the first configured encoder and the second configured encoder.

IPC 8 full level

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