

Title (en)

METHODS AND APPARATUSES FOR COMPRESSING DIGITAL IMAGE DATA WITH MOTION PREDICTION

Title (de)

VERFAHREN UND VORRICHTUNGEN ZUM KOMPRIMIEREN DIGITALER BILDDATEN MIT BEWEGUNGSPRÄDIKTION

Title (fr)

PROCEDES ET DISPOSITIFS POUR COMPRESSER DES DONNEES D'IMAGE NUMERIQUES AVEC PREDICTION DE MOUVEMENT

Publication

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Application

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Abstract (en)

[origin: WO2005086981A2] Methods and apparatuses for compressing digital image data with motion prediction are described herein. In one embodiment, for each two consecutive frames of an image sequence, a motion prediction is performed between the consecutive frames by tracking motion on a luminance map of the frames to generate motion prediction information for the luminance component. The motion prediction information of the luminance component is then applied to the chrominance maps. In response to the motion prediction, the wavelet coefficients of each frame and the motion prediction information are encoded into a bit stream based on a target transmission rate, where the encoded wavelet coefficients satisfy a predetermined threshold according to a predetermined algorithm. Other methods and apparatuses are also described.

IPC 8 full level

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- See references of WO 2005086981A2

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