

Title (en)

APPARATUS AND METHOD FOR UNCOMPRESSED, WIRELESS TRANSMISSION OF VIDEO

Title (de)

VORRICHTUNG UND VERFAHREN ZUR UNKOMPRIMIERTEN DRAHTLOSEN ÜBERTRAGUNG VON VIDEO

Title (fr)

APPAREIL ET PROCÉDÉ POUR UNE TRANSMISSION SANS FIL D'UNE VIDÉO NON COMPRESSÉE

Publication

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Application

EP 06836492 A 20061023

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- US 75806006 P 20060110
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- US 55165406 A 20061020

Abstract (en)

[origin: WO2007048061A2] An apparatus and method for wireless transmission of uncompressed HDTV video overcomes the challenges of sending vast amounts of information over a wireless link. This is achieved by direct mapping of transformation coefficients of the video components to communication symbols, such as OFDM symbols. A main portion of the important transform coefficients, for example the MSBs of the coefficients representing lower frequencies of each of the video components, and in particular the quantized values of the lower frequencies components, are sent in a coarse representation using, for example, QPSK or QAM. The coefficients representing higher frequencies of the video components, and the quantization error values of the lower frequencies components, or some, non-linear transformation thereof, are sent as pairs of real and imaginary portions of a complex number that comprises a point in a fine constellation. The invention further provides a delay-less and buffer-less implementation of transmitter and receiver pairs.

IPC 8 full level

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