Title (en)
METHOD OF ENCODING AND DECODING VIDEO IMAGES WITH SPATIAL SCALABILITY

Title (de)
VERFAHREN ZUM CODIEREN UND DECODIEREN VON VIDEOBILDERN MIT RÄUMLICHER SKALIERBARKEIT

Title (fr)
PROCEDE DE CODAGE ET DE DECODAGE D'IMAGES VIDEO AVEC ECHELONNABILITE SPATIALE

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Application
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Abstract (en)
[origin: WO2007020230A2] The invention relates to a method of encoding and decoding video images with spatial scalability. The inventive method comprises the following steps consisting in: encoding (5) a low-resolution image, by performing a calculation of a local or reconstructed decoded image, in order to supply an encoded low-resolution image; oversampling (6) the reconstructed image in order to supply a prediction image; and encoding (7) a higher resolution image, comprising a difference calculation with the prediction image in order to supply residues. The invention is characterised in that the method also comprises a step consisting in selecting or calculating filter coefficients to be used for oversampling and a subsequent step consisting in encoding said coefficients such that they can be transmitted to the decoder with the other encoded data. The invention is suitable for hierarchical encoding with spatial scalability.

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