Title (en)
METHOD FOR LOCALLY DECODING A BIT STREAM OF WAVELET COEFFICIENTS

Title (de)
VERFAHREN ZUR LOKALEN DECODIERUNG EINES BITSTROMS VON WAVELET-KOEFFIZIENTEN

Title (fr)
PROCEDE DE DECODAGE LOCAL D'UN TRAIN BINAIRE DE COEFFICIENTS D'ONDELETTES

Publication
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Application
EP 05792261 A 20050930

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Abstract (en)
[origin: WO2006040270A2] The invention concerns a method for decoding a data stream representing an object with at least three dimensions, associated with a basic mesh consisting of an assembly of facets defined by an assembly of vertices and ridges, and with wavelet coefficients corresponding to the local modifications of the basic mesh, indexed each by a vertex of the basic mesh. The invention is characterized in that, for at least some wavelet coefficients of the data stream, the method includes the following steps: determining an orientation of a ridge bearing the vertex indexing the wavelet coefficients, called orientation of the wavelet coefficient; determining, based on the orientation, an information for locating in the basic mesh at least one child of the wavelet coefficient, distinct locating rules being associated with each orientation, so as to extract a data stream of at least some of the wavelet coefficients, associated each with a locating information.

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