Title (en)

METHODS AND DEVICES FOR ENCODING AND DECODING IMAGES USING NESTED MESHES, PROGRAMME, SIGNAL AND CORRESPONDING USES

Title (de)

VERFAHREN UND ANORDNUNGEN ZUR KODIERUNG UND DEKODIERUNG VON BILDERN MITTELS VERSCHACHTELTER MASCHEN, ENTSPRECHENDES PROGRAMM, ENTSPRECHENDES SIGNAL UND ENTSPRECHENDE VERWENDUNG

Title (fr)

PROCEDES ET DISPOSITIFS DE CODAGE ET DE DECODAGE D'IMAGES METTANT EN OEUVRE DES MAILLAGES EMBOITES, PROGRAMME, SIGNAL ET APPLICATION CORRESPONDANTS

Publication

EP 1393573 A1 20040303 (FR)

Application

EP 02747512 A 20020606

Priority

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Abstract (en)

[origin: FR2825855A1] The method includes use of a hierarchical mesh which defines nested spaces, each corresponding to a decomposition level of the meshing. The process consists, at least at a decomposition level n (except at the first level), of delivering only image coefficients expressed in a base of functions defined in a space orthogonal to the spaced corresponding to the preceding decomposition level (n-1). The method for encoding a source image includes use of a hierarchical mesh which defines at least two nested spaces, each corresponding to a decomposition level of the meshing. The process consists, at least at a decomposition level n (except at the first level), of delivering only image coefficients expressed in a base of functions defined in a space orthogonal to the spaced corresponding to the preceding decomposition level (n-1). The functions are selected so that the image coefficients enable optimization for the decomposition level, n, of the data already transmitted for the preceding decomposition level, n-1. This produces a reconstructed image, representing the source image, with optimized restoration quality for the specific decomposition level, n.

IPC 1-7

H04N 7/26; G06T 9/00; G06T 17/20

IPC 8 full level

H04N 7/30 (2006.01); **G06T 9/00** (2006.01); **G06T 17/20** (2006.01); **H03M 7/30** (2006.01); **H04N 1/41** (2006.01); **H04N 7/26** (2006.01)

CPC (source: EP KR US)

G06T 9/00 (2013.01 - KR); **G06T 9/001** (2013.01 - EP US); **G06T 17/20** (2013.01 - EP US); **H03M 7/30** (2013.01 - KR); **H04N 19/54** (2014.11 - EP US)

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