

Title (en)

METHOD AND SYSTEM FOR LAYERED VIDEO ENCODING

Title (de)

VERFAHREN UND VORRICHTUNG ZUR SCHICHTVIDEOKODIERUNG

Title (fr)

PROCEDE ET SYSTEME POUR LE CODAGE DE PLANS DE MEMOIRE D'IMAGE FRACTIONNELS

Publication

EP 1483918 A2 20041208 (EN)

Application

EP 03706790 A 20030304

Priority

- IB 0300789 W 20030304
- US 36259202 P 20020305
- US 43405502 P 20021217

Abstract (en)

[origin: WO03075579A2] In a layered encoding system having at least one layer comprising a plurality of sub-layers (272, 274, 276), a method is disclosed herein for encoding a video image (200) composed of a plurality of pixel blocks containing at least one area determined to be significant (200, 215, 220) within a corresponding sub-layer (272, 274, 276). The method comprises the steps of; associating a level of significance with each block (250, 252) of a known size within the at least one significant area (200), associating a level of significance with successively larger blocks (222, 244) dependent upon the level of significance of at least one of the blocks (250, 252) of a known size contained within said larger block (222, 244), and mapping each of the associated levels of significance. In another embodiment of the invention, the significance map is transmitted and corresponding image layers may be reconstructed using the significance map.

IPC 1-7

H04N 7/26; **H04N 7/50**

IPC 8 full level

G06T 9/00 (2006.01); **H03M 7/30** (2006.01); **H04N 1/41** (2006.01); **H04N 19/30** (2014.01); **H04N 19/60** (2014.01); **H04N 19/625** (2014.01); **H04N 19/63** (2014.01)

CPC (source: EP KR)

H04N 19/119 (2014.11 - EP); **H04N 19/17** (2014.11 - EP); **H04N 19/30** (2014.11 - KR); **H04N 19/34** (2014.11 - EP); **H04N 19/46** (2014.11 - EP)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 03075579 A2 20030912; **WO 03075579 A3 20031231**; AU 2003208500 A1 20030916; AU 2003208500 A8 20030916; CN 1640146 A 20050713; EP 1483918 A2 20041208; JP 2005519543 A 20050630; KR 20040091682 A 20041028

DOCDB simple family (application)

IB 0300789 W 20030304; AU 2003208500 A 20030304; CN 03805241 A 20030304; EP 03706790 A 20030304; JP 2003573878 A 20030304; KR 20047013637 A 20030304