

Title (en)
OPTIMIZED SIGNAL QUANTIFICATION

Title (de)
OPTIMIERTE SIGNAL-QUANTIFIKATION

Title (fr)
QUANTIFICATION DU SIGNAL OPTIMISEE

Publication
EP 1157350 A4 20050914 (EN)

Application
EP 00905993 A 20000204

Priority
• US 0003051 W 20000204
• US 11855599 P 19990204

Abstract (en)
[origin: WO0046738A1] A method for optimizing signal quantification (140) including applying reversible filters (110) to the signal in order to pre-quantify the signal as a continuous function of the frequency domain; pre-processing the signal (120) in order to place it in proper color space and frequency domain; applying subband transforms to the signal (130) in order to split the signal into frequency regions (140), and entropy coding the signal (150).

IPC 1-7
G06K 9/00; **G06T 9/00**

IPC 8 full level
H04N 7/30 (2006.01); **G06T 9/00** (2006.01); **H03M 7/30** (2006.01); **H03M 7/36** (2006.01); **H04N 7/26** (2006.01)

CPC (source: EP KR)
H04N 19/122 (2014.11 - EP); **H04N 19/126** (2014.11 - EP); **H04N 19/13** (2014.11 - KR); **H04N 19/61** (2014.11 - EP); **H04N 19/619** (2014.11 - EP); **H04N 19/63** (2014.11 - EP); **H04N 19/635** (2014.11 - EP); **H04N 19/80** (2014.11 - EP); **H04N 19/85** (2014.11 - EP); **H04N 19/134** (2014.11 - EP)

Citation (search report)
• [A] US 5014134 A 19910507 - LAWTON WAYNE M [US], et al
• [A] US 5537493 A 19960716 - WILKINSON JAMES H [GB]
• [Y] AMIR SAID ET AL: "REVERSIBLE IMAGE COMPRESSION VIA MULTIREOLUTION REPRESENTATION AND PREDICTIVE CODING", PROCEEDINGS OF THE SPIE, SPIE, BELLINGHAM, VA, US, vol. 2094, no. PART 2, 8 November 1993 (1993-11-08), pages 664 - 674, XP000609929, ISSN: 0277-786X
• [Y] VILLASENOR J D ET AL: "FILTER EVALUATION AND SELECTION IN WAVELET IMAGE COMPRESSION", DATA COMPRESSION CONFERENCE, PROCEEDINGS. DCC, IEEE COMPUTER SOCIETY PRESS, LOS ALAMITOS, CA, US, 29 March 1994 (1994-03-29), pages 351 - 360, XP000609928
• [A] MUTSUMI OHTA ET AL: "WAVELET PICTURE CODING WITH TRANSFORM CODING APPROACH", IEICE TRANSACTIONS ON FUNDAMENTALS OF ELECTRONICS, COMMUNICATIONS AND COMPUTER SCIENCES, INSTITUTE OF ELECTRONICS INFORMATION AND COMM. ENG. TOKYO, JP, vol. E75 - A, no. 7, 1 July 1992 (1992-07-01), pages 776 - 784, XP000311771, ISSN: 0916-8508
• See references of WO 0046738A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0046738 A1 20000810; AU 2757100 A 20000825; AU 771802 B2 20040401; CA 2361410 A1 20000810; EP 1157350 A1 20011128; EP 1157350 A4 20050914; JP 2002536896 A 20021029; KR 20010101973 A 20011115

DOCDB simple family (application)
US 0003051 W 20000204; AU 2757100 A 20000204; CA 2361410 A 20000204; EP 00905993 A 20000204; JP 2000597747 A 20000204; KR 20017009816 A 20010803