

Title (en)  
METHOD AND APPARATUS FOR ENHANCING PERFORMANCE OF ENTROPY CODING, AND VIDEO CODING METHOD AND APPARATUS USING THE ENTROPY CODING PERFORMANCE ENHANCING METHOD

Title (de)  
VERFAHREN UND VORRICHTUNG ZUR ERHÖHUNG DER LEISTUNG BEI DER ENTROPIEKODIERUNG SOWIE VIDEOKODIERUNGSVERFAHREN UND VORRICHTUNG ZUR ANWENDUNG DES VERFAHRENS ZUR ERHÖHUNG DER LEISTUNG BEI DER ENTROPIEKODIERUNG

Title (fr)  
PROCEDE ET APPAREIL D'AMELIORATION DE L'EFFICACITE DU CODAGE ENTROPIQUE ET PROCEDE DE CODAGE VIDEO, ET APPAREIL UTILISANT CE PROCEDE

Publication  
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Application  
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Abstract (en)  
[origin: WO2007035070A1] A method and apparatus for enhancing the performance of entropy coding in a multilayer-based codec system are provided. In a variable length coding method for lossless-coding first coefficients among coefficients of a discrete layer and one or more fine granular scalability (FGS) layers, the variable length coding method includes determining a proportion of zeros included in a predetermined unit region to which the first coefficients belong, selecting one of a plurality of grouping units depending on whether or not the proportion exceeds a predetermined threshold, grouping absolute values of the first coefficients using the selected grouping unit, and transforming the grouped absolute values into a code word mapped thereto by referring to a VLC table corresponding to the selected group unit.

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Citation (search report)  
• [A] ANONYMOUS: "H.264 and MPEG-4 Video Compression, chapter 6, H.264/MPEG4 Part 10, Iain E. Richardson", NOT KNOWN,, 17 October 2003 (2003-10-17), XP030001626  
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• SHIMA M: "CE1: Complexity reduction for adaptive VLC", 18. JVT MEETING; 75. MPEG MEETING; 14-01-2006 - 20-01-2006; BANGKOK,TH; (JOINT VIDEO TEAM OF ISO/IEC JTC1/SC29/WG11 AND ITU-T SG.16 ),, no. JVT-R021, 10 January 2006 (2006-01-10), XP030006289, ISSN: 0000-0410

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