

Title (en)  
METHOD, APPARATUS AND COMPUTER READABLE MEDIUM FOR CALCULATING RUN AND LEVEL REPRESENTATIONS OF QUANTIZED TRANSFORM COEFFICIENTS REPRESENTING PIXEL VALUES INCLUDED IN A BLOCK OF A VIDEO PICTURE

Title (de)  
VERFAHREN, VORRICHTUNG UND COMPUTERLESBARES MEDIUM ZUR BERECHNUNG VON LAUFLÄNGEN- UND LEVEL-DARSTELLUNGEN QUANTISIERTER TRANSFORMATIONSKOEFFIZIENTEN ZUR DARSTELLUNG VON PIXELWERTEN IN EINEM BLOCK EINES VIDEOBILDES

Title (fr)  
PROCÉDÉ, APPAREIL ET SUPPORT LISIBLE PAR ORDINATEUR POUR CALCULER DES REPRÉSENTATIONS DE COURSE ET DE NIVEAU DE COEFFICIENTS DE TRANSFORMÉE QUANTIFIÉS REPRÉSENTANT DES VALEURS DE PIXELS COMPRISES DANS UN BLOC D'IMAGE VIDÉO

Publication  
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Application  
**EP 09836441 A 20091228**

Priority  

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Abstract (en)  
[origin: WO2010077148A1] A process for calculating run-and-level representations of quantized transform coefficients includes packing each quantized transform coefficients in a value interval (Max, Min) by setting all quantized transform coefficients greater than Max equal to Max, and all quantized transform coefficients less than Min equal to Min; reordering the quantized transform coefficients resulting in an array C of reordered quantized transform coefficients; masking C by generating an array M containing ones in positions corresponding to positions of C having non-zero values, and zeros in positions corresponding to positions of C having zero values; and for each position containing a one in M, generating a run and a level representation by setting the level value equal to an occurring value in a corresponding position C, and setting the run value equal to the number of proceeding positions relative to a current position in M since a previous occurrence of one in M.

IPC 8 full level  
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Citation (search report)  

- [X] US 2008046698 A1 20080221 - AHUJA KAPIL [IN], et al
- [A] US 6628717 B1 20030930 - JEONG JE CHANG [KR], et al
- See references of WO 2010077148A1

Designated contracting state (EPC)  
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