

Title (en)

A METHOD AND APPARATUS FOR MOTION ESTIMATION

Title (de)

VERFAHREN UND VORRICHTUNG ZUR BEWEGUNGSSCHÄTZUNG

Title (fr)

PROCEDE ET APPAREIL DESTINES A L'ESTIMATION DE MOUVEMENT

Publication

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Application

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Abstract (en)

[origin: WO2006024988A2] A method and apparatus for spatial layered compression of video stream are disclosed. Reference motion vector is introduced into the compression scheme of the present invention, and according to this reference motion vector, the base layer and enhancement layer may acquire the motion vector of the corresponding frame of image of the video stream, respectively, and thereby to respectively generate a base layer and enhancement layer. The introduced reference motion vector makes the motion estimation about the base layer associated with the motion estimation about the enhancement layer, thereby to reduce the total amount of calculation of the motion estimation about the base layer and enhancement layer. Further, because the reference frame for obtaining the reference motion vector can be obtained from original video sequence and no additional harmful operating is made on the original video sequence, the reference motion vector may better reflect actual motion within the video sequence.

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