

Title (en)

METHOD AND APPARATUS FOR CONVERTING FROM A LUMINANCE AND COLOR DIFFERENCE COLOR SPACE TO A COMPONENT SPACE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR UMWANDLUNG VON LUMINANZ- UND FARBDIFFERENZRAUM IN KOMPONENTFARBRAUM

Title (fr)

PROCEDE ET APPAREIL POUR CONVERTIR EN UN ESPACE A COMPOSANTES CHROMATIQUES DES SIGNAUX D'IMAGE NUMERIQUES ISSUS D'UN ESPACE CHROMATIQUE A DIFFERENCE DE LUMINANCE ET DE COULEUR

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Abstract (en)

[origin: WO9613807A1] Methods of converting color image signals from a representation including luminance signal and a pair of subsampled color difference signals to a representation including three color component signals are disclosed. The methods employ look up tables to obtain improved speed and RAM utilization as compared with prior art methods. Generally, the subsampled color difference signals are applied to one or more look up tables to obtain a color index. The color index and the luminance signal are then applied to a look up table to obtain component signals corresponding to the combination of the luminance and color difference signals.

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