

Title (en)  
METHOD AND DEVICE FOR GENERATING IMAGES HAVING A REDUCED ERROR RATE, HIGH RESOLUTION AND IMPROVED CONTRAST

Title (de)  
VERFAHREN UND EINRICHTUNG ZUR ERZEUGUNG VON FEHLERREDUZIERTEN HOCHAUFLÖSENDEN UND KONTRASTVERBESSERTEN BILDERN

Title (fr)  
PROCÉDÉ ET DISPOSITIF DE PRODUCTION D IMAGES À DÉFAUTS RÉDUITS, HAUTE RÉOLUTION ET CONTRASTE AMÉLIORÉ

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Application  
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Abstract (en)  
[origin: WO2010009703A1] The invention relates to a method for generating images having a reduced error rate, high resolution and improved contrast from image sequences containing images having lower resolutions, which can be obtained from an image sensor having adjustable recording parameters. According to the invention, the image sequences of the images (K, R) having low resolutions are subjected to a combination of super-resolution processing (SR) and high dynamic range reconstruction processing (HDR) in order to obtain images having a reduced error rate, high resolution and improved contrast on the basis of redundant and complementary image information contained in the images having low resolution.

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