Title (en)

METHOD AND SYSTEM FOR ENCODING/DECODING MULTI-VIEW VIDEO BASED ON LAYERED-DEPTH IMAGE

Title (de)

VERFAHREN UND SYSTEM ZUR MEHRFACHANSICHTS-VIDEOKODIERUNG/-DEKODIERUNG AUF BASIS VON LAYERED-DEPTH-IMAGE

Title (fr)

PROCEDE ET SYSTEME DE CODAGE/DECODAGE DE VIDEO MULTIVUE BASES SUR UNE IMAGE A PROFONDEUR STRATIFIEE

Publication

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Application

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Abstract (en)

[origin: WO2006041261A1] Provided are a method and an apparatus for enoding/decoding a multi-view video using LDI. Specifically, provided are a method and an apparatus for enoding/decoding a multi-view video using LDI, which uses a linear decorrelation process to improve compression efficiency. The LDI encoding method according to present invention includes: (i) generating the LDI including multiple layers by using color and depth information of each viewpoint image of the multi-view video; (ii) performing linear decorrelation in each layer of the LDI; (iii) performing data aggregation in each linearly-decorrelated layer of the LDI; and (iv) encoding the aggregated data in each layer of the LDI to generate an encoded LDI bit stream.

IPC 8 full level

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