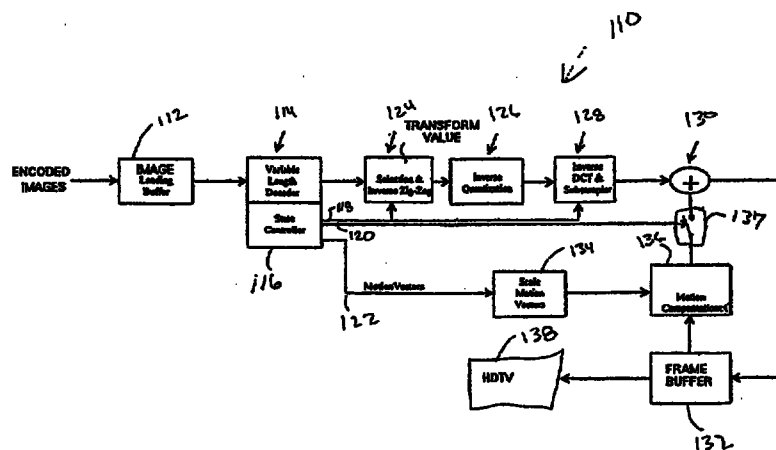




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(54) Title: DECODING AN ENCODED IMAGE HAVING A FIRST RESOLUTION DIRECTLY INTO A DECODED IMAGE HAVING A SECOND RESOLUTION

**(57) Abstract**

An image processing circuit (110) includes a processor that receives an encoded portion (112) of a first version of an image. The processor decodes (114) this encoded portion directly into a decoded portion of a second version of the image, the second version (138) having a resolution that is different than the resolution of the first version. Therefore, such an image processing circuit can decode an encoded hi-res version of an image directly into a decoded lo-res version of the image. Alternatively, the image processing circuit includes a processor that modifies a motion vector (134) associated with a portion of a first version of an image. The processor then identifies a portion of a second image to which the modified motion vector points, the second image having a different resolution than the first version of the first image. Next, the processor generates a portion of a second version of the first image from the identified portion of the second image, the second version of the first image having the same resolution as the second image.