

ABSTRACT OF THE DISCLOSURE

This disclosure relates to video processing that includes a video processing device that: determines that a Chroma from Luma (CfL) prediction mode is to be applied to a luma block in a received coded bitstream; generates a neighbor luma average for the luma block by averaging a set of reconstructed luma samples, wherein the set of reconstructed luma samples comprises a plurality of reconstructed neighbor luma samples in at least one neighbor luma block that neighbors the luma block; generates an alternating current (AC) contribution of a plurality of prediction samples of a chroma block co-located with the luma block based on a plurality of luma samples in the luma block and the neighbor luma average; and reconstructs the chroma block at least by applying the CfL prediction mode based on the AC contribution.

Fig. 28