

ABSTRACT**INTER-LAYER PIXEL SAMPLE PREDICTION**

Systems, devices and methods are described including performing scalable video coding using inter-layer pixel sample prediction. Inter-layer pixel sample prediction in an enhancement layer coding unit, prediction unit, or transform unit may use reconstructed pixel samples obtained from a base layer or from a lower enhancement layer. The pixel samples may be subjected to upsample filtering and/or refinement filtering. The upsample or refinement filter coefficients may be predetermined or may be adaptively determined.

Fig. 2