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(54) Title: INTER-LAYER REFERENCE PICTURE PROCESSING FOR CODING STANDARD SCALABILITY

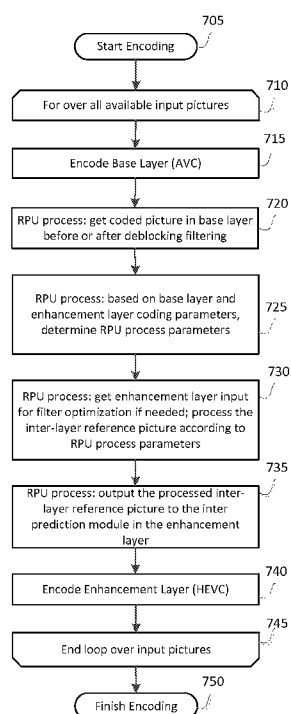


FIG. 7

(57) Abstract: Video data are coded in a coding-standard layered bit stream. Given a base layer (BL) and one or more enhancement layer (EL) signals, the BL signal is coded into a coded BL stream using a BL encoder which is compliant to a first coding standard. In response to the BL signal and the EL signal, a reference processing unit (RPU) determines RPU processing parameters. In response to the RPU processing parameters and the BL signal, the RPU generates an inter-layer reference signal. Using an EL encoder which is compliant to a second coding standard, the EL signal is coded into a coded EL stream, where the encoding of the EL signal is based at least in part on the inter-layer reference signal. Receivers with an RPU and video decoders compliant to both the first and the second coding standards may decode both the BL and the EL coded streams.



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