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(54) Title: QUALITY-ADAPTIVE NEURAL NETWORK-BASED LOOP FILTER WITH SMOOTH QUALITY CONTROL BY META-LEARNING

600A

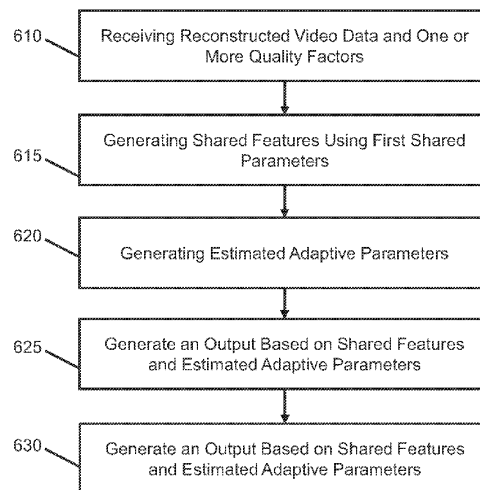


FIG. 6A

(57) Abstract: A method and apparatus of for video enhancement based on neural network based loop filtering using meta learning may include receiving reconstructed video data; receiving one or more quality factors associated with the reconstructed video data; and generating enhanced video data with artefact reduction, based on the one or more quality factors and the reconstructed video data, using a neural network based loop filter, wherein the neural network based loop filter comprises neural network based loop filter parameters that include shared parameters and adaptive parameters.

[Continued on next page]

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