ABSTRACT

A method of decoding is provided. The method includes receiving, by the video decoder, a video bitstream including a video parameter set (VPS) and a plurality of layers, where no layer is neither an output layer of at least one OLS nor a direct reference layer of any other layer; and decoding, by the video decoder, a picture from one of the plurality of layers. A method of encoding is also provided. The method includes generating, by the video encoder, a plurality of layers and a VPS specifying one or more output layer sets (OLSs), where no layer is neither an output layer of at least one OLS nor a direct reference layer of any other layer; encoding, by the video encoder, the plurality of layers and the VPS into a video bitstream; and storing, by the video encoder, the video bitstream for communication toward a video decoder.