CLAIMS

1. A video decoding apparatus comprising:

a syntax element extractor which obtains, from a bitstream, a split transformation flag indicating whether a transformation unit included in a coding unit is split;

an entropy decoder which determines a size of the transformation unit based on the split transformation flag, determines a context model based on the size of the transformation unit and color component of a picture including the transformation unit, obtains a transformation coefficient flag indicating whether a non-zero coefficient is included in a block of the transformation unit by entropy-decoding the bitsteam based on the context model; and

a hierarchical decoder which obtains a transformation coefficient included in the transformation unit based on the transformation coefficient flag,

wherein the context modeler obtains an information indicating a most probable symbol (MPS) between 0 and 1 based on the context model.