Claims

1. An apparatus for decoding a video, the apparatus comprising a processor that obtains from a bitstream a skip flag of a coding unit indicting whether an prediction mode of the coding unit is a skip mode, and when the prediction mode of the coding unit is the skip mode according to the skip flag, obtains from the bitstream a merge index indicating one block in a candidate block group of the skip mode and when the prediction mode of the coding unit is not the skip mode according to the skip flag, obtains from the bitstream information about a partition type and merge information of a partition,

wherein when the merge information of the partition indicates a merge mode of a current partition, the processor obtains from the bitstream a merge index of the current partition indicating one block in a candidate block group of the merge mode and determines motion information of the current partition by using motion information of a block indicated by the merge index of the current partition,

wherein the candidate block group of the merge mode comprises one or more blocks among neighboring blocks of the current partition, and when the information about the partition type is extracted from the bitstream, one or more partitions comprising the current partition are determined from the coding unit based on the information about the partition type.

Claims

1. An apparatus for decoding a video, the apparatus comprising:

a processor which is configured for obtaining, from a bitstream, a skip flag for a coding unit which indicates whether a encoding mode of the coding unit is a skip mode,

when the skip flag indicates a skip mode of the coding unit, obtaining, from the bitstream, a merge index indicating one block among a candidate block group of the skip mode, and

when the skip flag indicates a non-skip mode of the coding unit, obtaining, information about a partition type and merge information for a partition among the at least one partition,

wherein, when the merge information for a partition indicates a merge mode for a current partition, the processor is configured for obtaining, from the bitstream, a merge index of the current partition which indicates a block among a candidate block group of the merge mode, and determining motion information of the current partition using motion information of the block indicated by the merge index of the current partition,

the candidate block group of the merge mode includes at least one candidate block among neighboring blocks of the current partition, and

when the information about a partition type is obtained from the bitstream, at least one partition including the current partition is determined from the coding unit based on the information about partition type.