~~[CLAIMS]~~CLAIMS

~~[Claim 1] A moving picture coding method for coding an input image, the method comprising:~~

~~converting a value of a first parameter into a first binary signal, the first parameter identifying a type of a sample offset process to be applied to a reconstructed image corresponding to the input image; and~~

~~coding at least a portion of the first binary signal through bypass arithmetic coding using a fixed probability.~~

~~[Claim 2] The moving picture coding method according to Claim 1,~~

~~wherein a first portion of the first binary signal is coded through context-adaptive arithmetic coding, and~~

~~a second portion of the first binary signal is coded through the bypass arithmetic coding when the first binary signal includes the second portion subsequent to the first portion.~~

~~[Claim 3] The moving picture coding method according to Claim 2,~~

~~wherein the sample offset process is not applied to the reconstructed image when the value of the first parameter is equal to a predetermined value, and~~

~~the first portion of the first binary signal indicates whether or not the value of the first parameter is equal to the predetermined value.~~

~~[Claim 4] The moving picture coding method according to Claim 2 or 3,~~

~~wherein the first portion of the first binary signal is composed of a first bit of the first binary signal, and~~

~~the second portion of the first binary signal is composed of the remaining bits of the first binary signal.~~

~~[Claim 5] The moving picture coding method according to any one of Claims 2 to 4, further comprising:~~

~~converting at least one of a value of a second parameter and a value of a third parameter into a second binary signal, the second parameter identifying an intra prediction mode, the third parameter identifying a candidate to be used for inter prediction from a list of candidates each including at least one motion vector;~~

~~coding a first portion of the second binary signal through the context-adaptive arithmetic coding; and~~

~~coding a second portion of the second binary signal through the bypass arithmetic coding when the second binary signal includes the second portion subsequent to the first portion,~~

~~wherein a bit length of the first portion of the first binary signal is identical to a bit length of the first portion of the second binary signal.~~

~~[Claim 6] The moving picture coding method according to Claims 1 to 5,~~

~~wherein the first binary signal includes one or more first bits having a first symbol when the value of the first parameter is larger than 0, the number of the first bits being equal to the value of the first parameter, and~~

~~the first binary signal (a) further includes one or more second bits having a second symbol when the value of the first parameter is smaller than a maximum value, and (b) does not include the second bits when the value of the first parameter is equal to the maximum value.~~

~~[Claim 7]~~ 1. A moving picture decoding method for decoding a coded image, the method comprising:

decoding a coded first portion of a first binary signal through context-adaptive arithmetic decoding;

decoding ~~at least~~ a coded second portion of ~~a~~the first binary signal through bypass arithmetic decoding using a fixed probability, wherein variable probability is not used in the bypass arithmetic decoding,

wherein the first portion of the first binary signal is composed

of a head bit of the first binary signal, and the second portion of the first binary signal is composed of the remaining bit(s) of the first binary signal,

wherein the first binary signal corresponding to a value of a first parameter identifying a type of a sample offset process to be applied to a reconstructed image obtained from the coded image; and

converting the decoded first binary signal into the value of the first parameter.

~~[Claim 8] The moving picture decoding method according to Claim 7,~~

~~wherein a coded first portion of the first binary signal is decoded through context-adaptive arithmetic decoding, and~~

~~a coded second portion of the first binary signal is decoded through the bypass arithmetic decoding when the first binary signal includes the second portion subsequent to the first portion.~~

~~[Claim 9]~~ 2. The moving picture decoding method according to Claim ~~8~~1,

wherein the sample offset process is not applied to the reconstructed image when the value of the first parameter is equal to a predetermined value, and

the first portion of the first binary signal indicates whether or not the value of the first parameter is equal to the predetermined value.

~~[Claim 10] The moving picture decoding method according to Claim 8 or 9,~~

~~wherein the first portion of the first binary signal is composed of a first bit of the first binary signal, and~~

~~the second portion of the first binary signal is composed of the remaining bits of the first binary signal.~~

~~[Claim 11]~~ 3. The moving picture decoding method according to ~~any~~

~~one of Claims 8 to 10~~ Claim 1, further comprising:

decoding a coded first portion of a second binary signal corresponding to at least one of a value of a second parameter and a value of a third parameter, through the context-adaptive arithmetic decoding, the second parameter identifying an intra prediction mode, the third parameter identifying a candidate to be used for inter prediction from a list of candidates each including at least one motion vector; and

decoding a coded second portion of the second binary signal through the bypass arithmetic decoding when the second binary signal includes the second portion subsequent to the first portion,

wherein a bit length of the first portion of the first binary signal is identical to a bit length of the first portion of the second binary signal.

~~[Claim 12]~~ 4. The moving picture decoding method according to ~~any one of Claims 7 to 11~~ Claim 1,

wherein the first binary signal includes one or more first bits having a first symbol when the value of the first parameter is larger than 0, the number of the first bits being equal to the value of the first parameter, and

the first binary signal (a) further includes one or more second bits having a second symbol when the value of the first parameter is smaller than a maximum value, and (b) does not include the second bits when the value of the first parameter is equal to the maximum value.

5. The moving picture decoding method according to Claim 1,

wherein which type of the sample offset process between a band offset process and an edge offset process to be applied is identified by the second portion of the first binary signal.

~~[Claim 13] A moving picture coding apparatus that codes an input image, the apparatus comprising:~~

~~a binarizer that converts a value of a first parameter into a first binary signal, the first parameter identifying a type of a sample offset process to be applied to a reconstructed image corresponding to the input image; and~~

~~an arithmetic coder that codes at least a portion of the first binary signal through bypass arithmetic coding using a fixed probability.~~

~~[Claim 14]~~ 6. A moving picture decoding apparatus that decodes a coded image, the apparatus comprising:

a first decoder that decodes a coded first portion of a first binary signal through context-adaptive arithmetic decoding;

~~an arithmetic~~a second decoder that decodes ~~at least~~ a coded second portion of a first binary signal through bypass arithmetic decoding using a fixed probability,

wherein the first portion of the first binary signal is composed of a head bit of the first binary signal, and the second portion of the first binary signal is composed of the remaining bit(s) of the first binary signal,

wherein the first binary signal corresponding to a value of a first parameter identifying a type of a sample offset process to be applied to a reconstructed image obtained from the coded image; and

an inverse binarizer that converts the decoded first binary signal into the value of the first parameter.

~~[Claim 15] A moving picture coding and decoding apparatus, comprising:~~

~~the moving picture coding apparatus according to Claim 13; and~~

~~the moving picture decoding apparatus according to Claim 14.~~