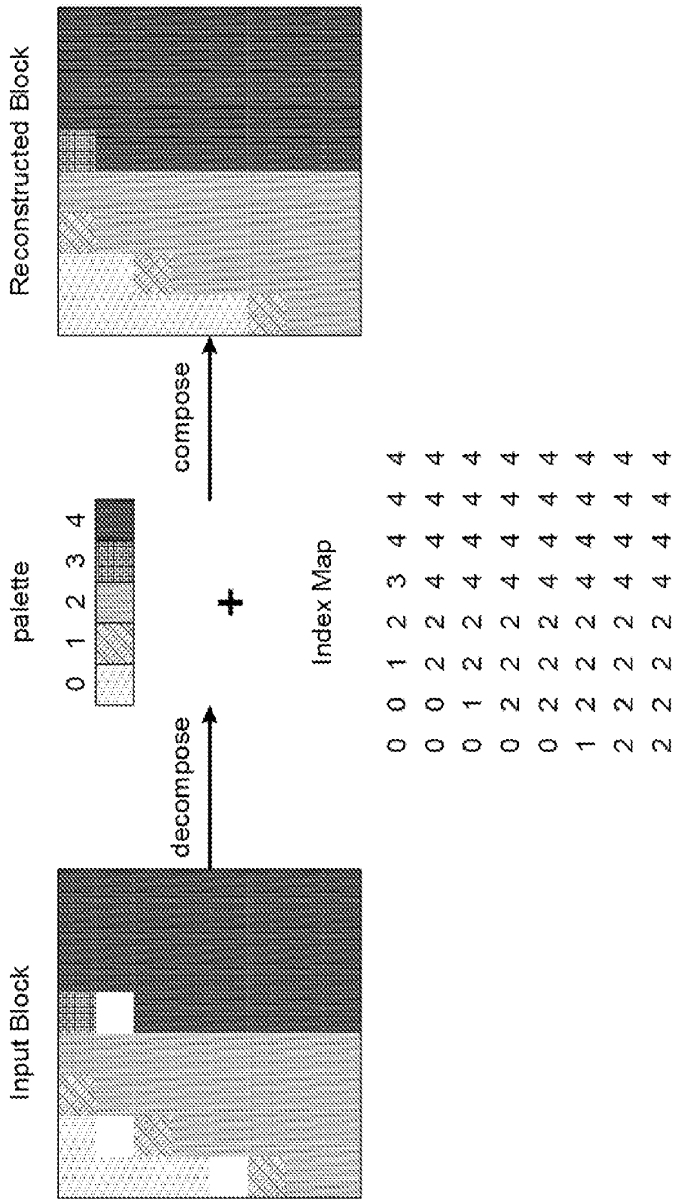

Input Block
decompose
palette
0 1 2 3 4
+
Index Map
0 0 1 2 3 4 4 4
0 0 2 2 4 4 4 4
0 1 2 2 4 4 4 4
0 2 2 2 4 4 4 4
0 2 2 2 4 4 4 4
1 2 2 2 4 4 4 4
2 2 2 2 4 4 4 4
2 2 2 2 4 4 4 4
compose
Reconstructed Block

FIG. 1

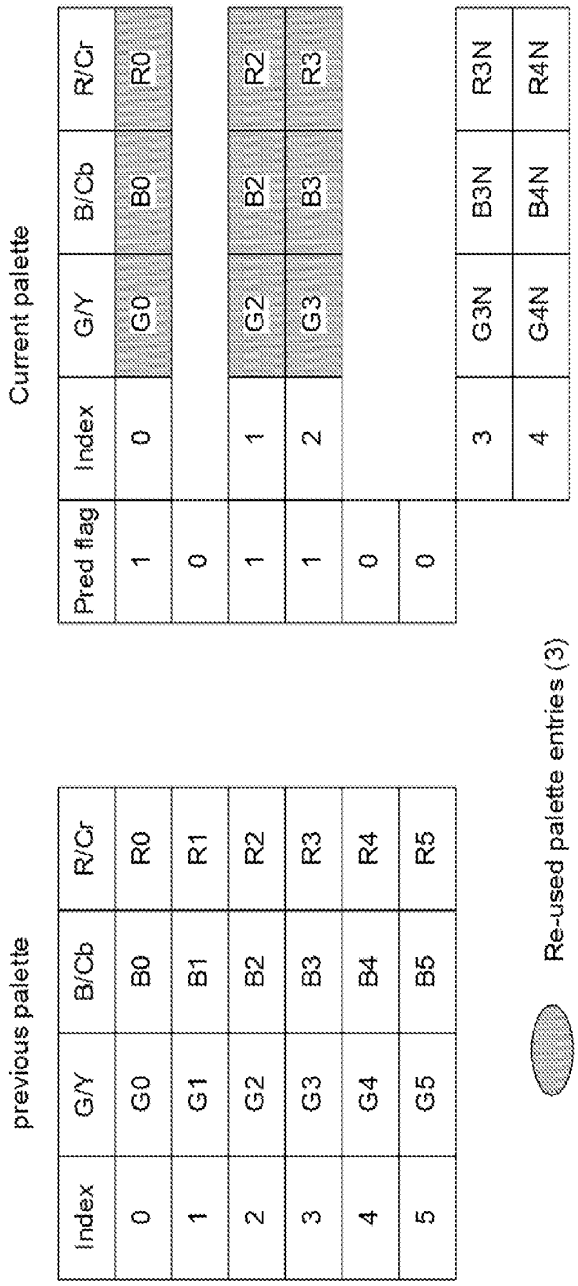

previous palette
Index
G/Y
B/Cb
R/Cr
0
G0
B0
R0
1
G1
B1
R1
2
G2
B2
R2
3
G3
B3
R3
4
G4
B4
R4
5
G5
B5
R5
Current palette
Pred flag
Index
G/Y
B/Cb
R/Cr
1
0
G0
B0
R0
0
1
1
G2
B2
R2
1
2
G3
B3
R3
0
0
3
G3N
B3N
R3N
4
G4N
B4N
R4N
Re-used palette entries (3)
New palette entries (2), signalled

FIG. 2

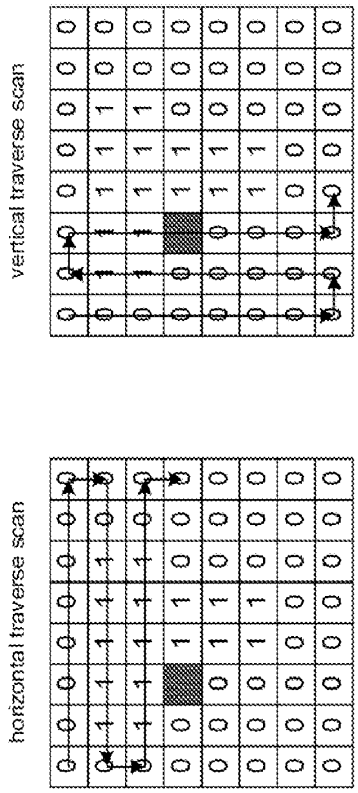



FIG. 3

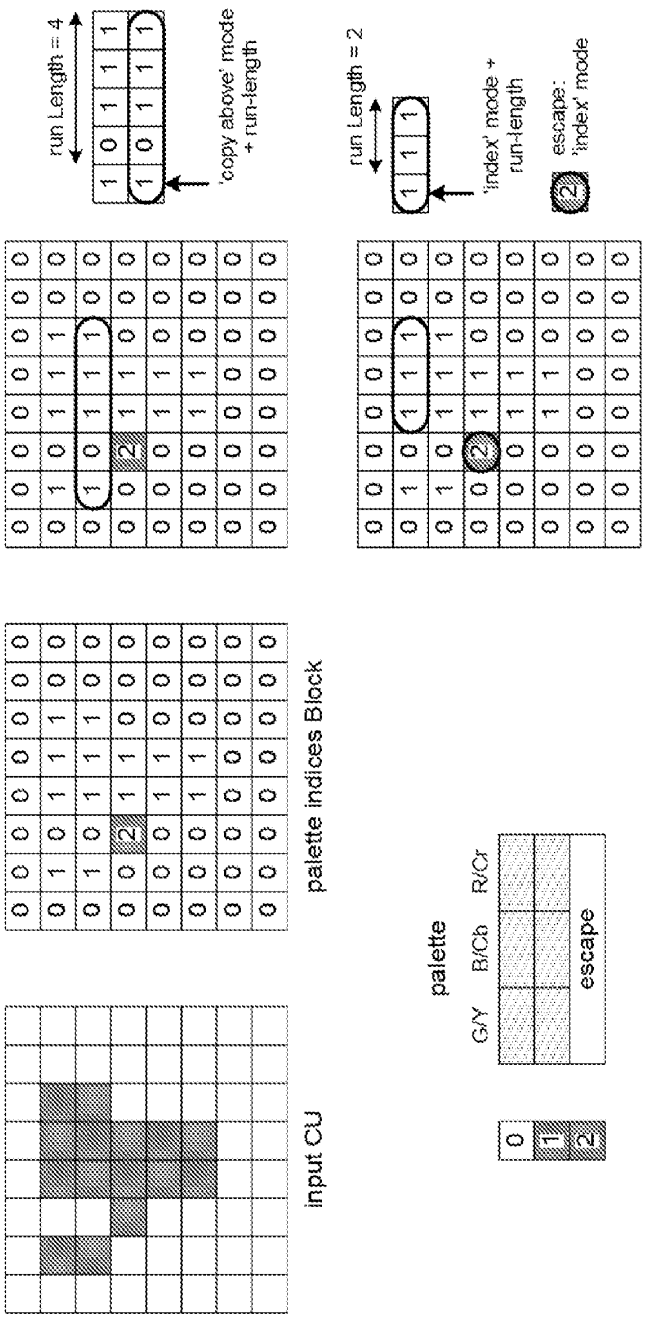

input CU
palette indices Block
palette
G/Y
B/Cb
R/Cr
escape
0
1
2
run Length = 4
'copy above' mode + run-length
run Length = 2
'index' mode + run-length
escape: 'index' mode

FIG. 4

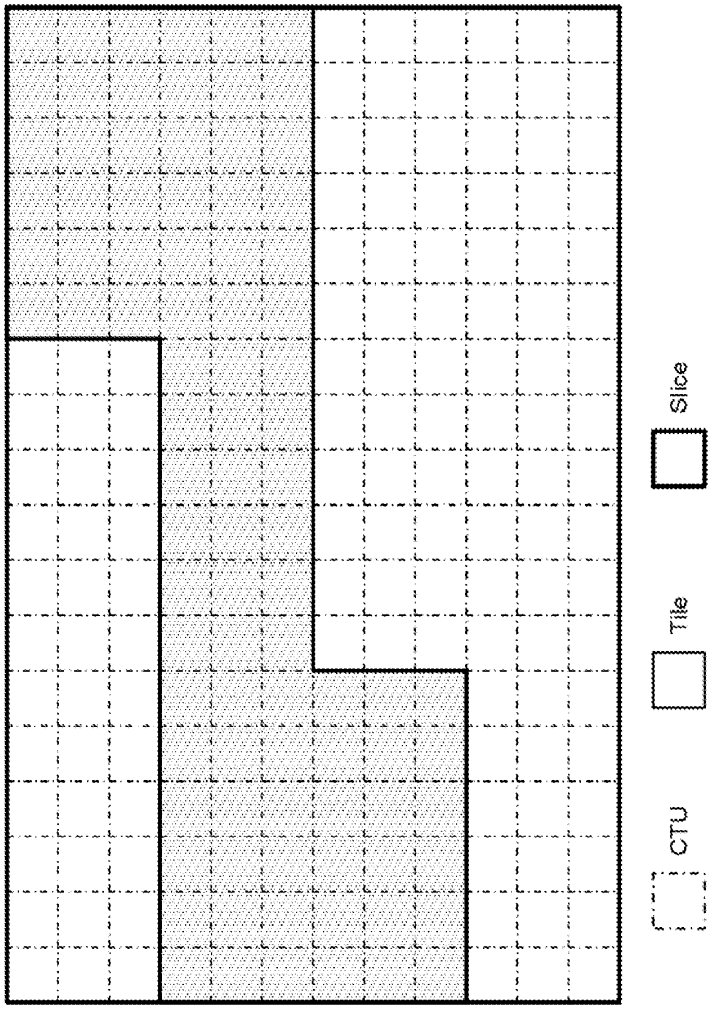



FIG. 5

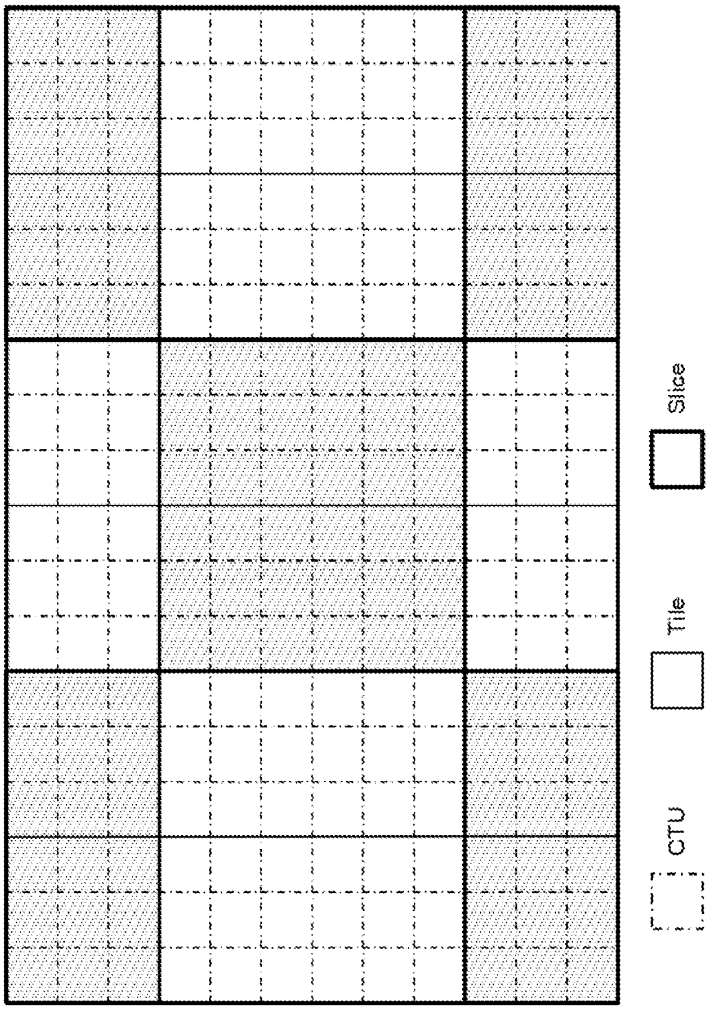



FIG. 6

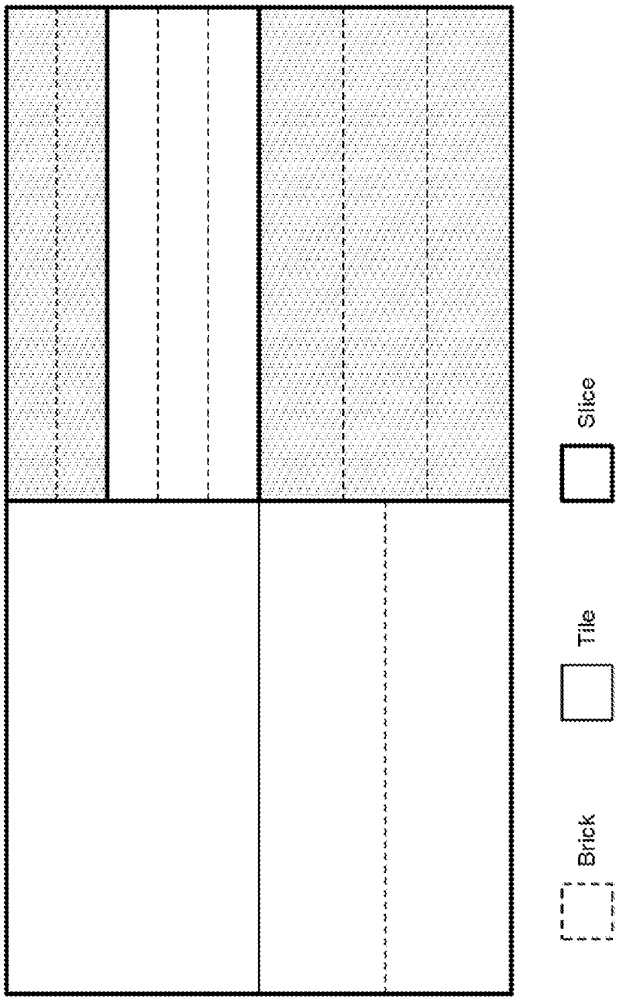



FIG. 7

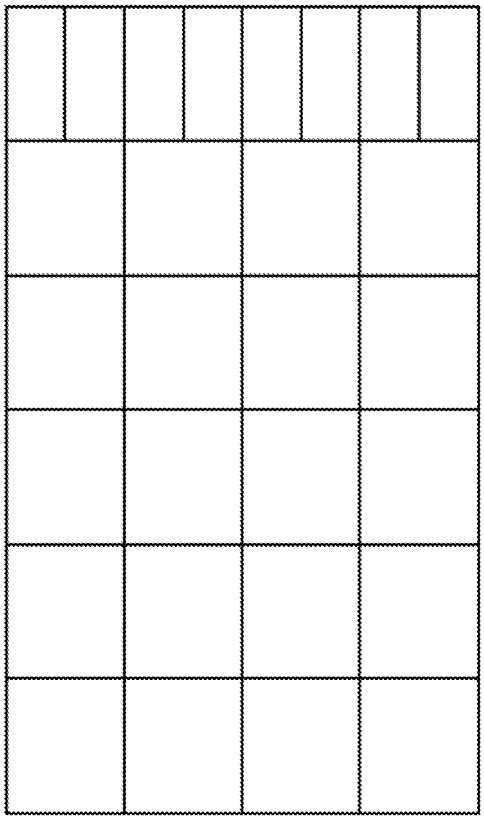


FIG. 8

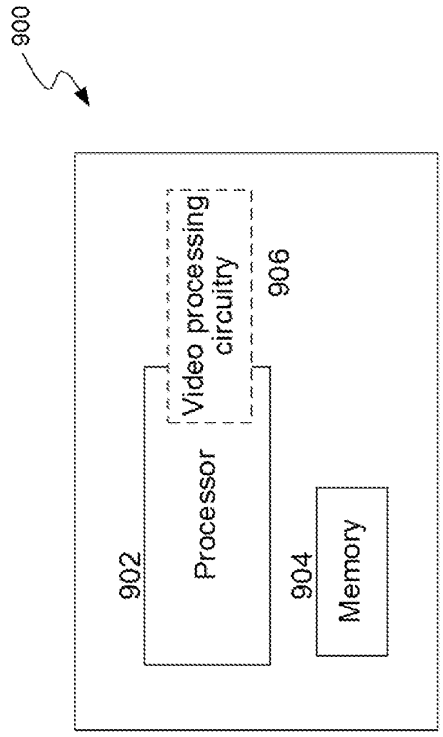

900
902
Processor
Video processing circuitry
906
904
Memory

FIG. 9

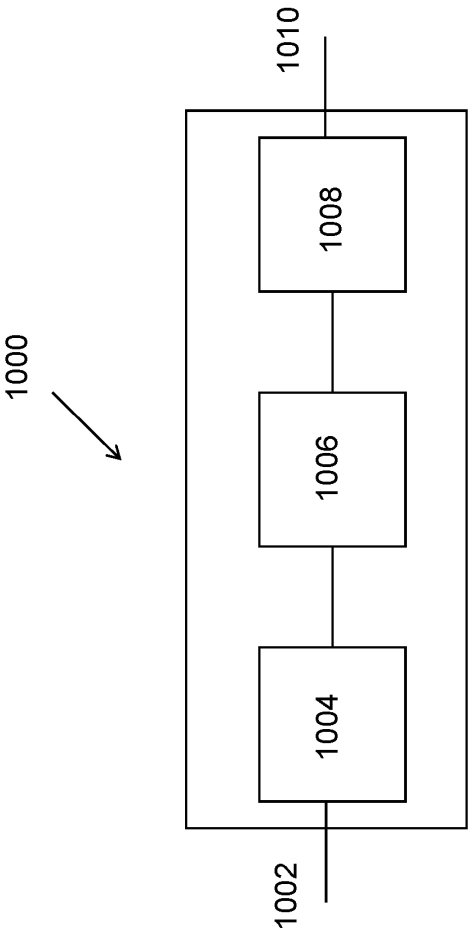



FIG. 10

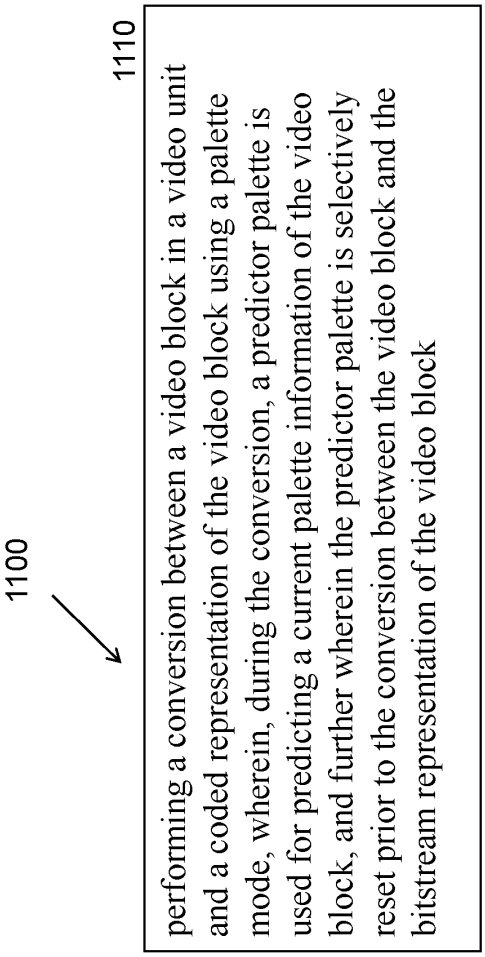

1100
1110
performing a conversion between a video block in a video unit and a coded representation of the video block using a palette mode, wherein, during the conversion, a predictor palette is used for predicting a current palette information of the video block, and further wherein the predictor palette is selectively reset prior to the conversion between the video block and the bitstream representation of the video block

FIG. 11

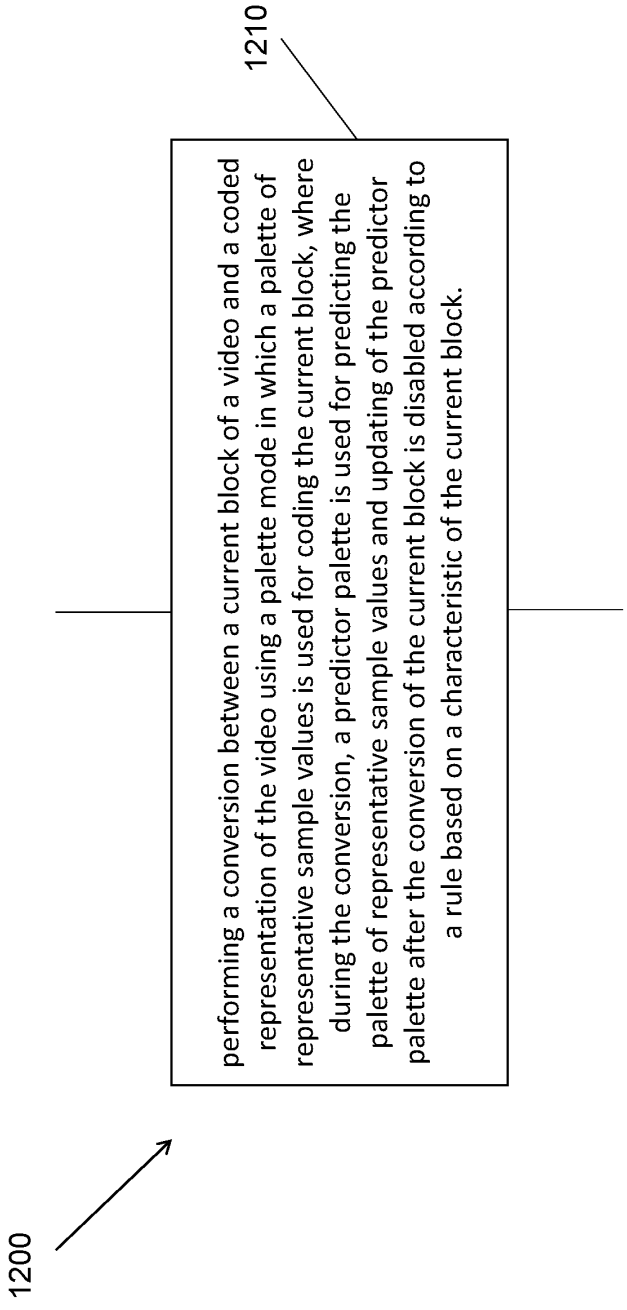

1200
1210
performing a conversion between a current block of a video and a coded representation of the video using a palette mode in which a palette of representative sample values is used for coding the current block, where during the conversion, a predictor palette is used for predicting the palette of representative sample values and updating of the predictor palette after the conversion of the current block is disabled according to a rule based on a characteristic of the current block.

FIG. 12

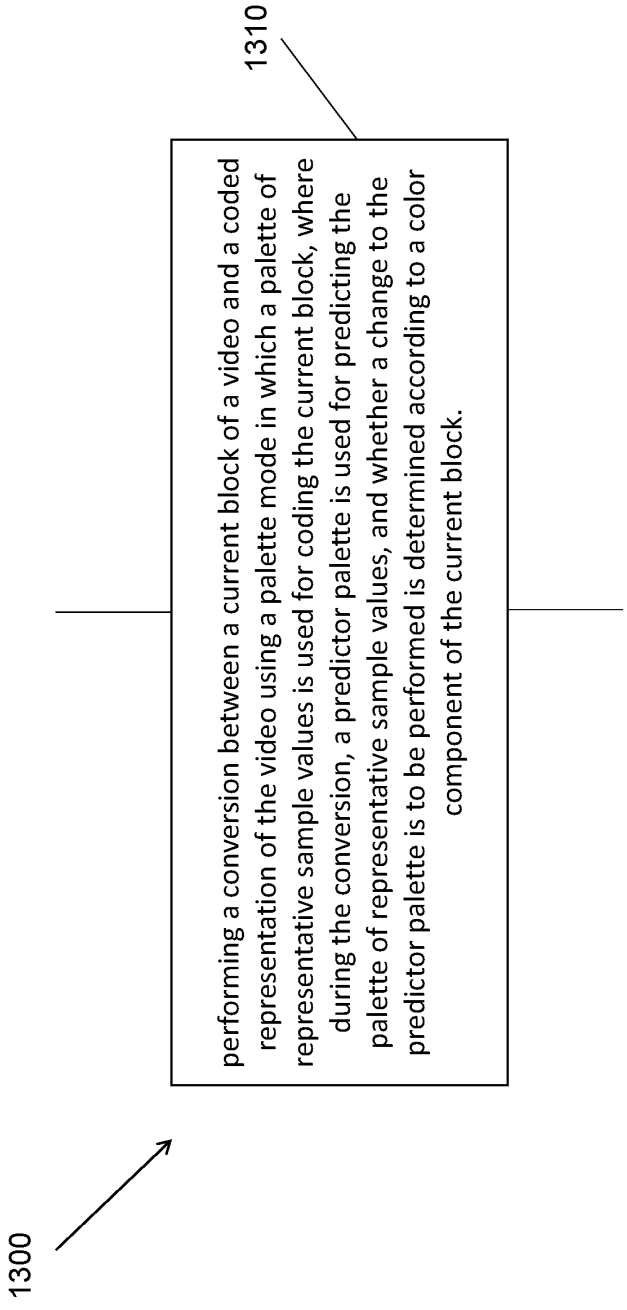

1300
1310
performing a conversion between a current block of a video and a coded representation of the video using a palette mode in which a palette of representative sample values is used for coding the current block, where during the conversion, a predictor palette is used for predicting the palette of representative sample values, and whether a change to the predictor palette is to be performed is determined according to a color component of the current block.

FIG. 13

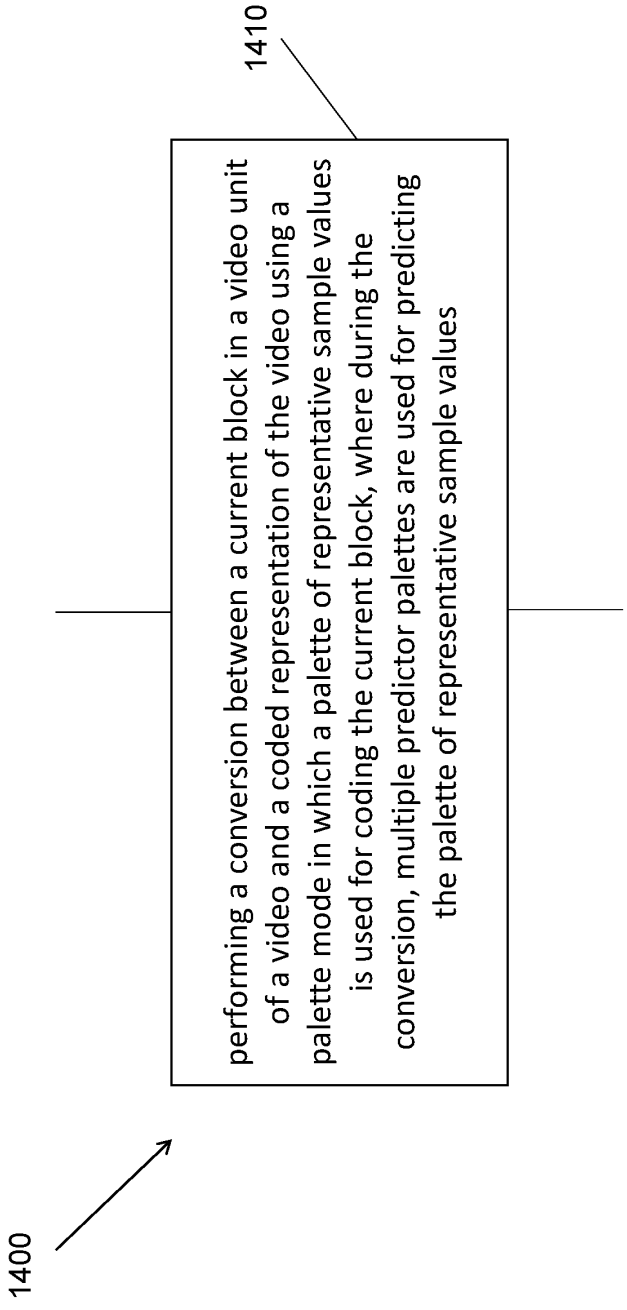

1400
1410
performing a conversion between a current block in a video unit of a video and a coded representation of the video using a palette mode in which a palette of representative sample values is used for coding the current block, where during the conversion, multiple predictor palettes are used for predicting the palette of representative sample values

FIG. 14

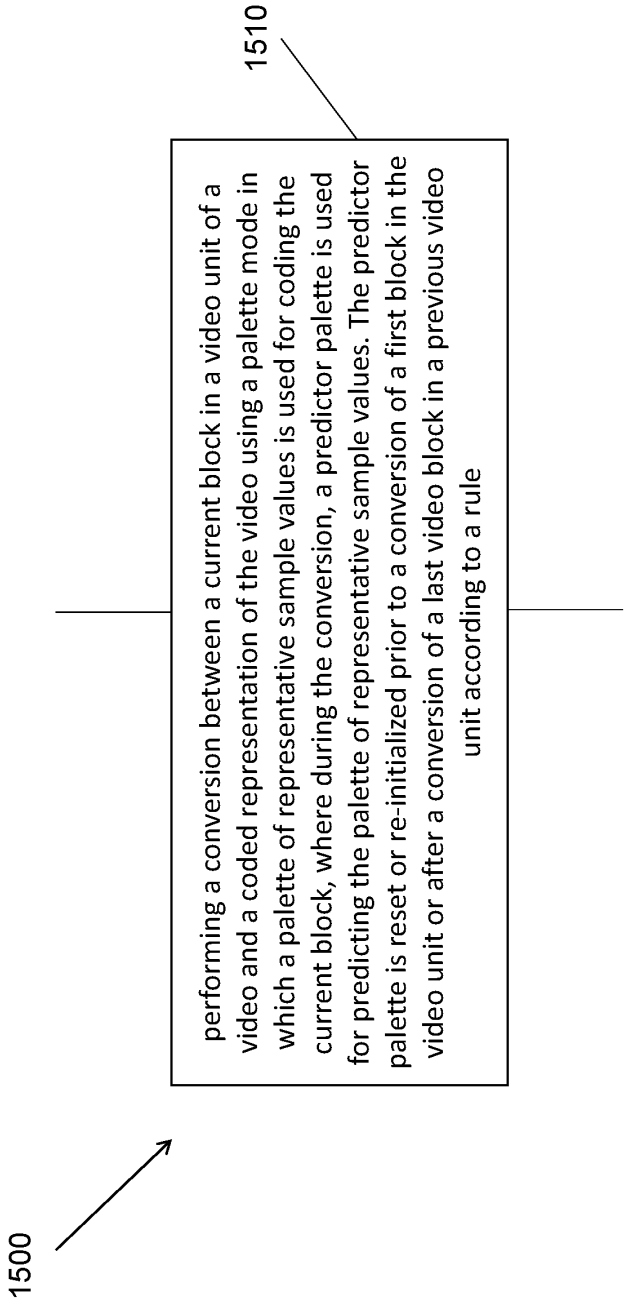

1500
1510
performing a conversion between a current block in a video unit of a video and a coded representation of the video using a palette mode in which a palette of representative sample values is used for coding the current block, where during the conversion, a predictor palette is used for predicting the palette of representative sample values. The predictor palette is reset or re-initialized prior to a conversion of a first block in the video unit or after a conversion of a last video block in a previous video unit according to a rule

FIG. 15

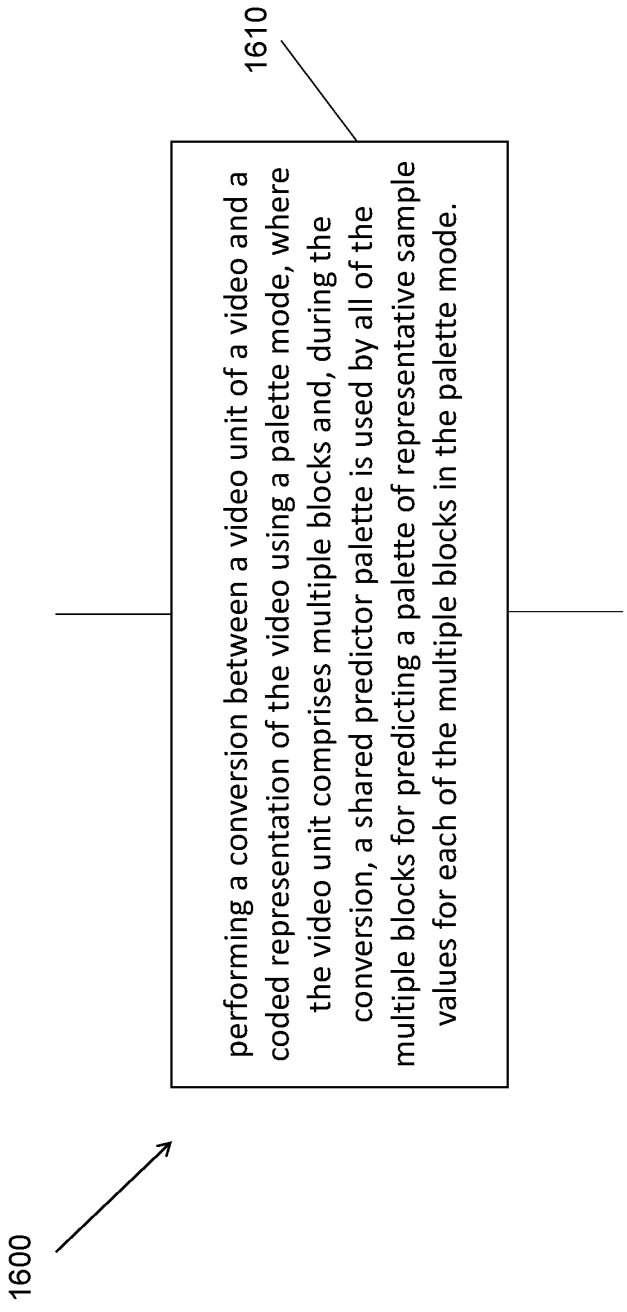

1610
performing a conversion between a video unit of a video and a coded representation of the video using a palette mode, where the video unit comprises multiple blocks and, during the conversion, a shared predictor palette is used by all of the multiple blocks for predicting a palette of representative sample values for each of the multiple blocks in the palette mode.
1600

FIG. 16

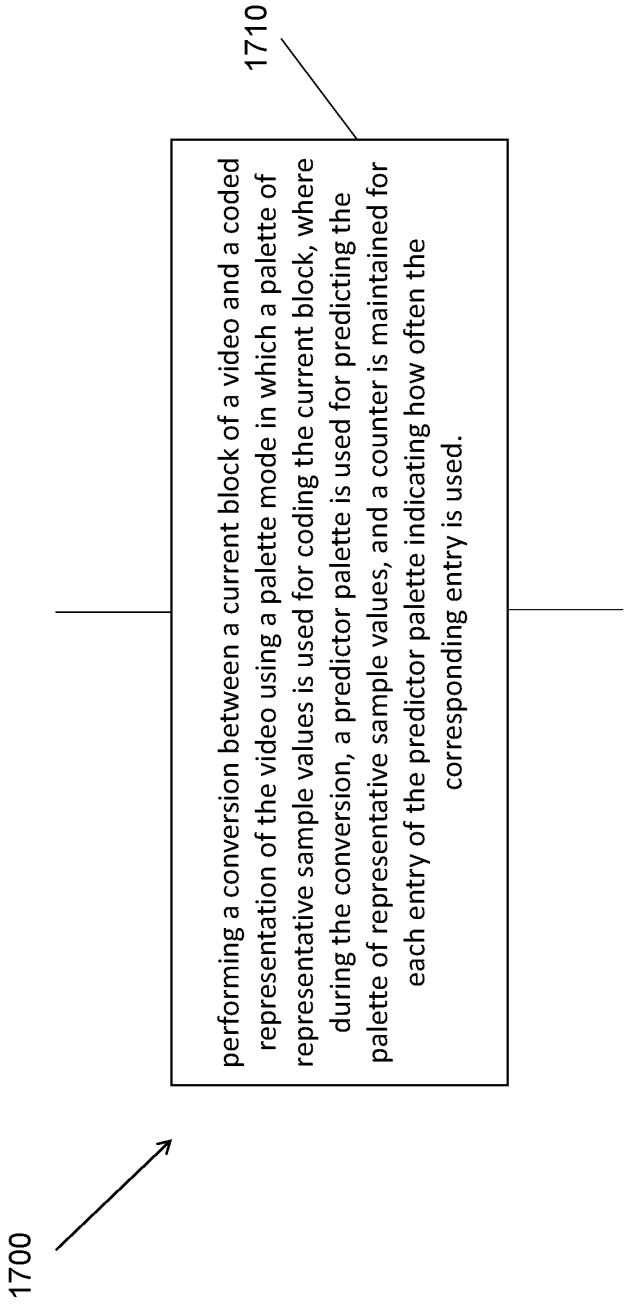

1700
1710
performing a conversion between a current block of a video and a coded representation of the video using a palette mode in which a palette of representative sample values is used for coding the current block, where during the conversion, a predictor palette is used for predicting the palette of representative sample values, and a counter is maintained for each entry of the predictor palette indicating how often the corresponding entry is used.

FIG. 17

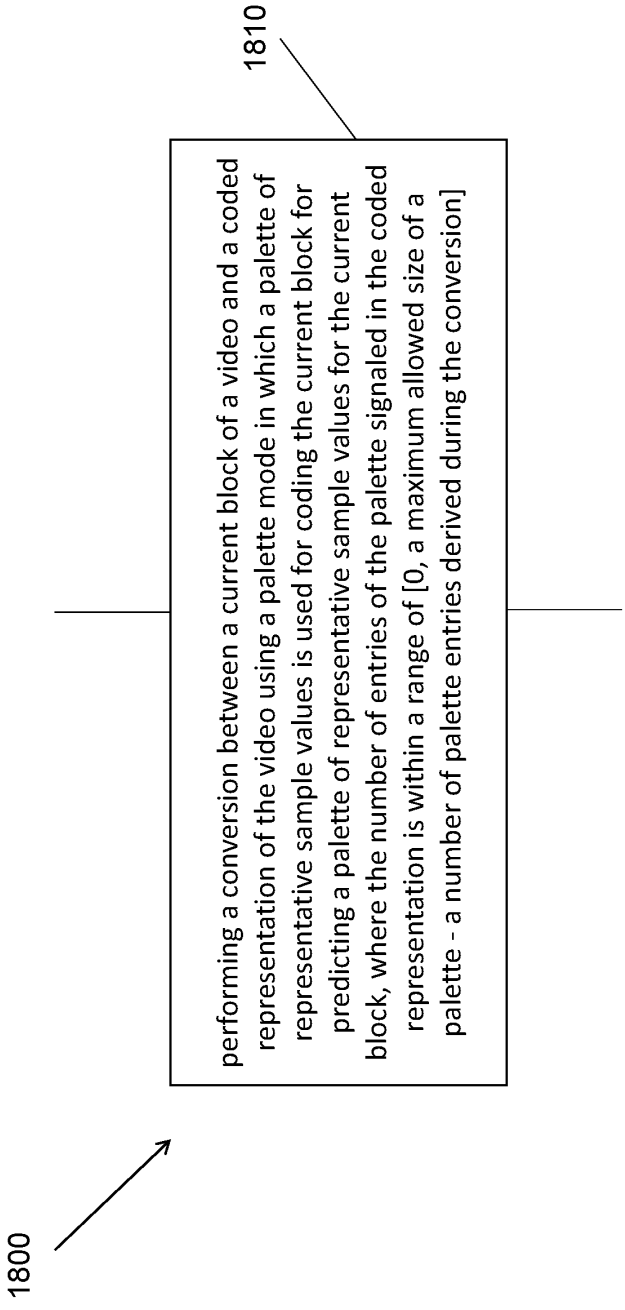

1800
1810
performing a conversion between a current block of a video and a coded representation of the video using a palette mode in which a palette of representative sample values is used for coding the current block for predicting a palette of representative sample values for the current block, where the number of entries of the palette signaled in the coded representation is within a range of [0, a maximum allowed size of a palette - a number of palette entries derived during the conversion]

FIG. 18

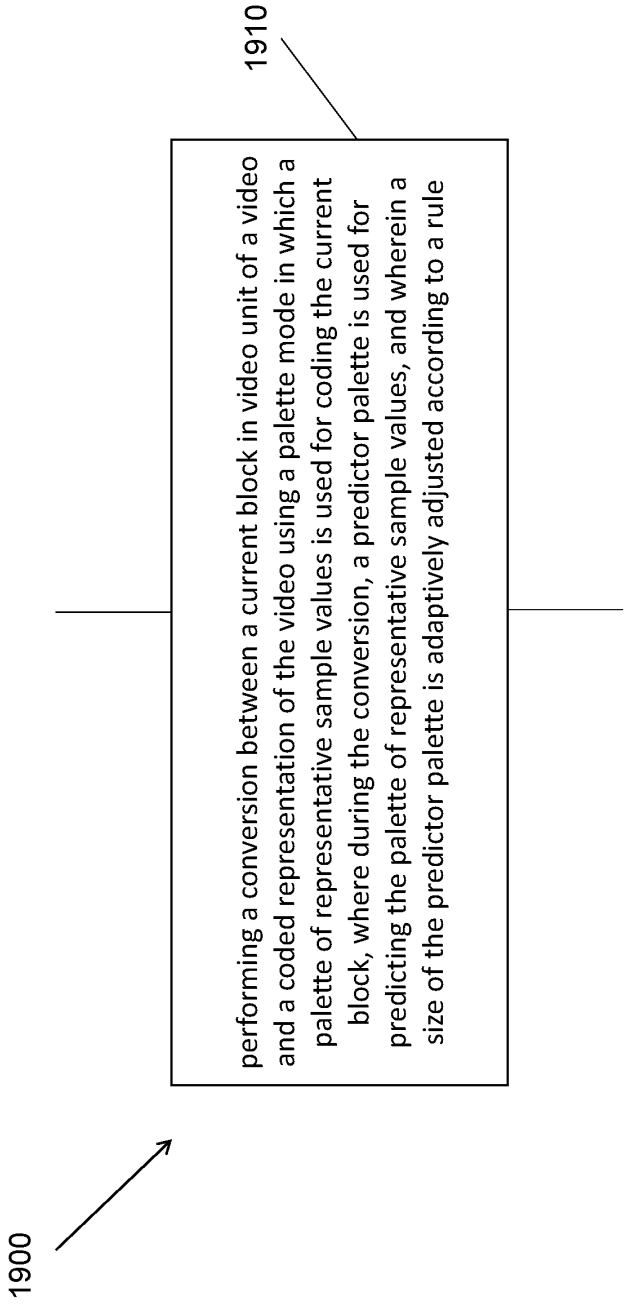

1900
1910
performing a conversion between a current block in video unit of a video and a coded representation of the video using a palette mode in which a palette of representative sample values is used for coding the current block, where during the conversion, a predictor palette is used for predicting the palette of representative sample values, and wherein a size of the predictor palette is adaptively adjusted according to a rule

FIG. 19

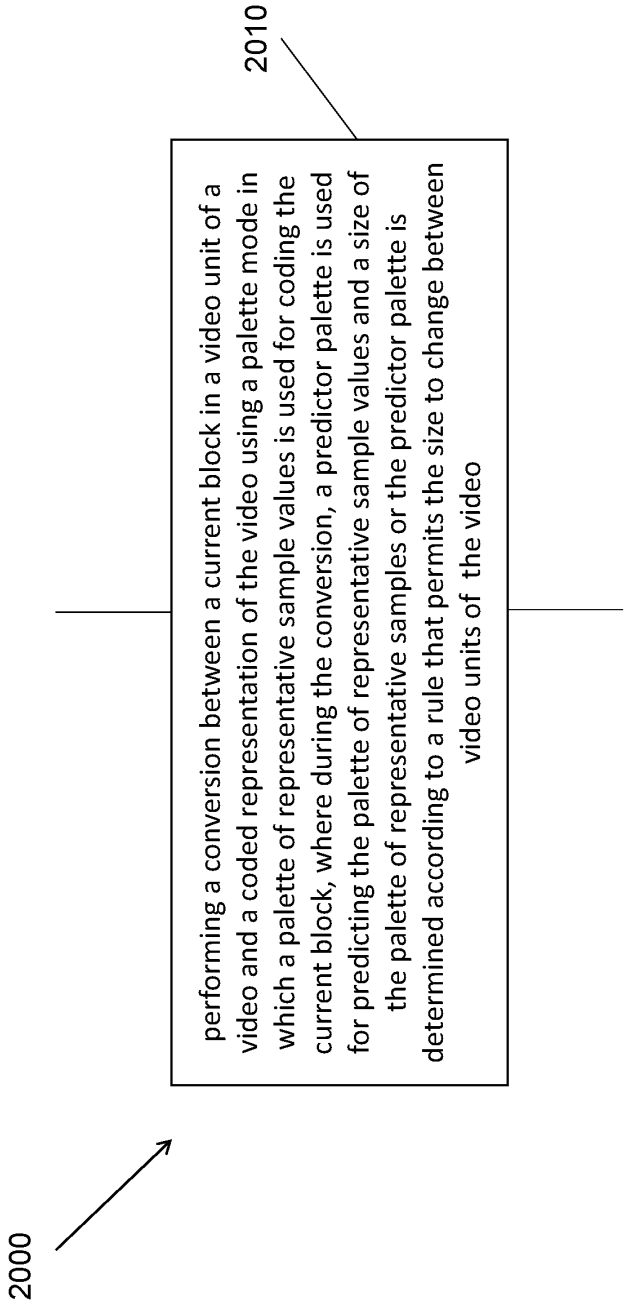

2000
2010
performing a conversion between a current block in a video unit of a video and a coded representation of the video using a palette mode in which a palette of representative sample values is used for coding the current block, where during the conversion, a predictor palette is used for predicting the palette of representative sample values and a size of the palette of representative samples or the predictor palette is determined according to a rule that permits the size to change between video units of the video

FIG. 20

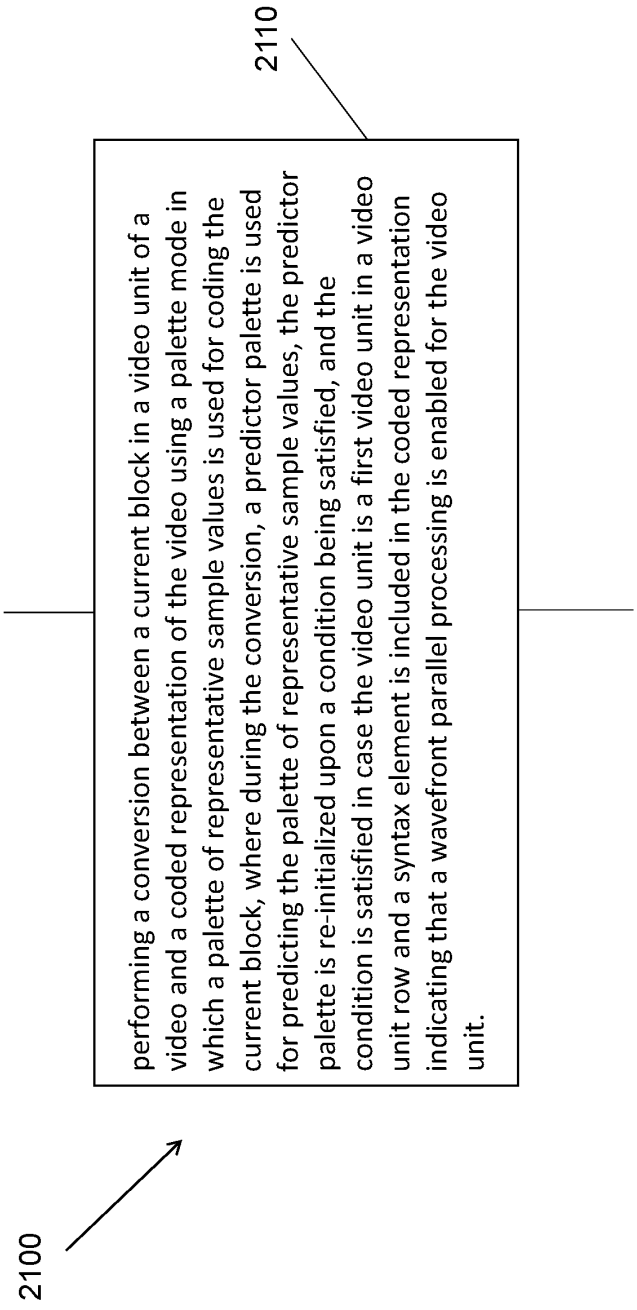

2100
2110
performing a conversion between a current block in a video unit of a video and a coded representation of the video using a palette mode in which a palette of representative sample values is used for coding the current block, where during the conversion, a predictor palette is used for predicting the palette of representative sample values, the predictor palette is re-initialized upon a condition being satisfied, and the condition is satisfied in case the video unit is a first video unit in a video unit row and a syntax element is included in the coded representation indicating that a wavefront parallel processing is enabled for the video unit.

FIG. 21