

FIG. 2

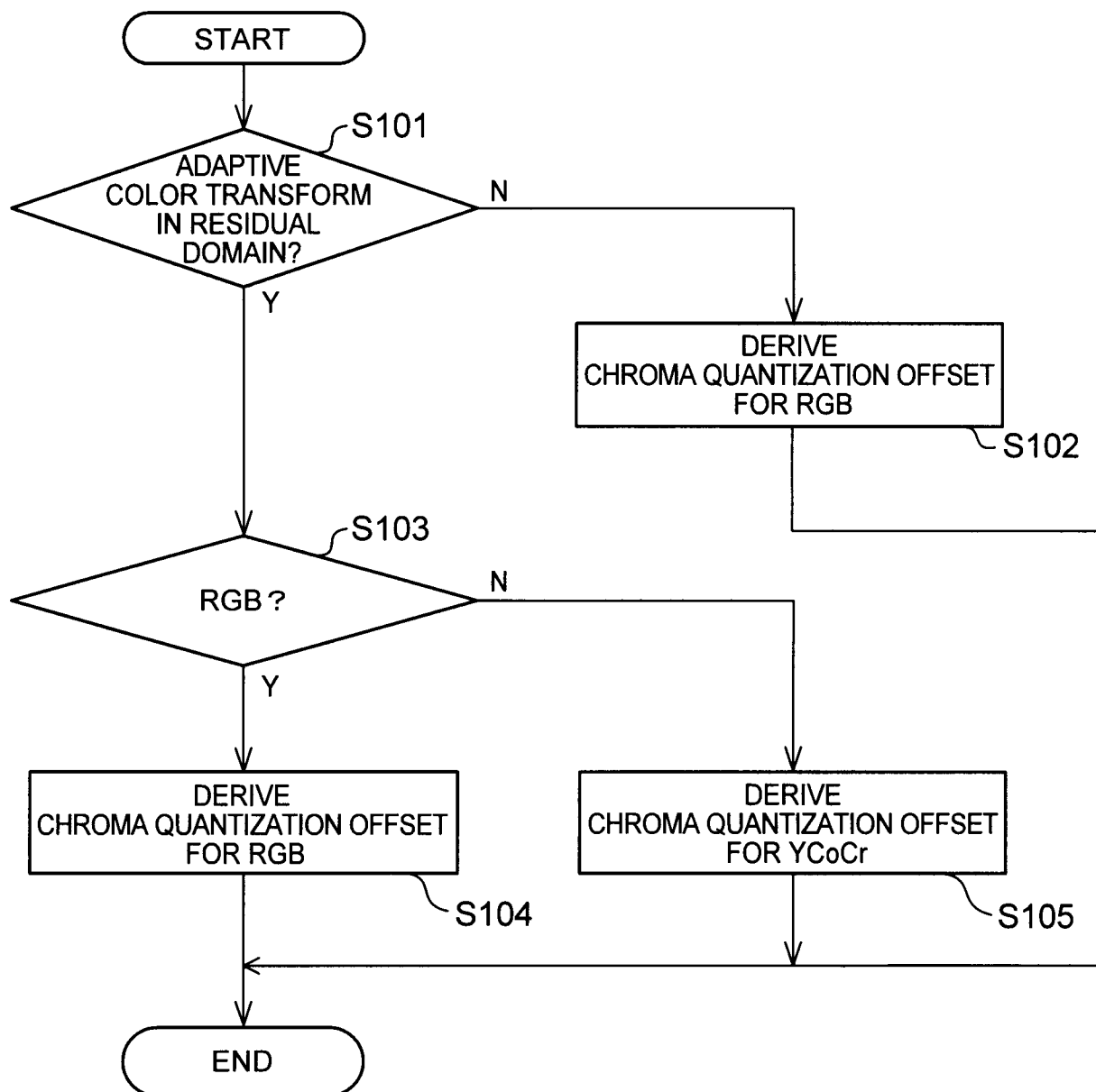


FIG. 3

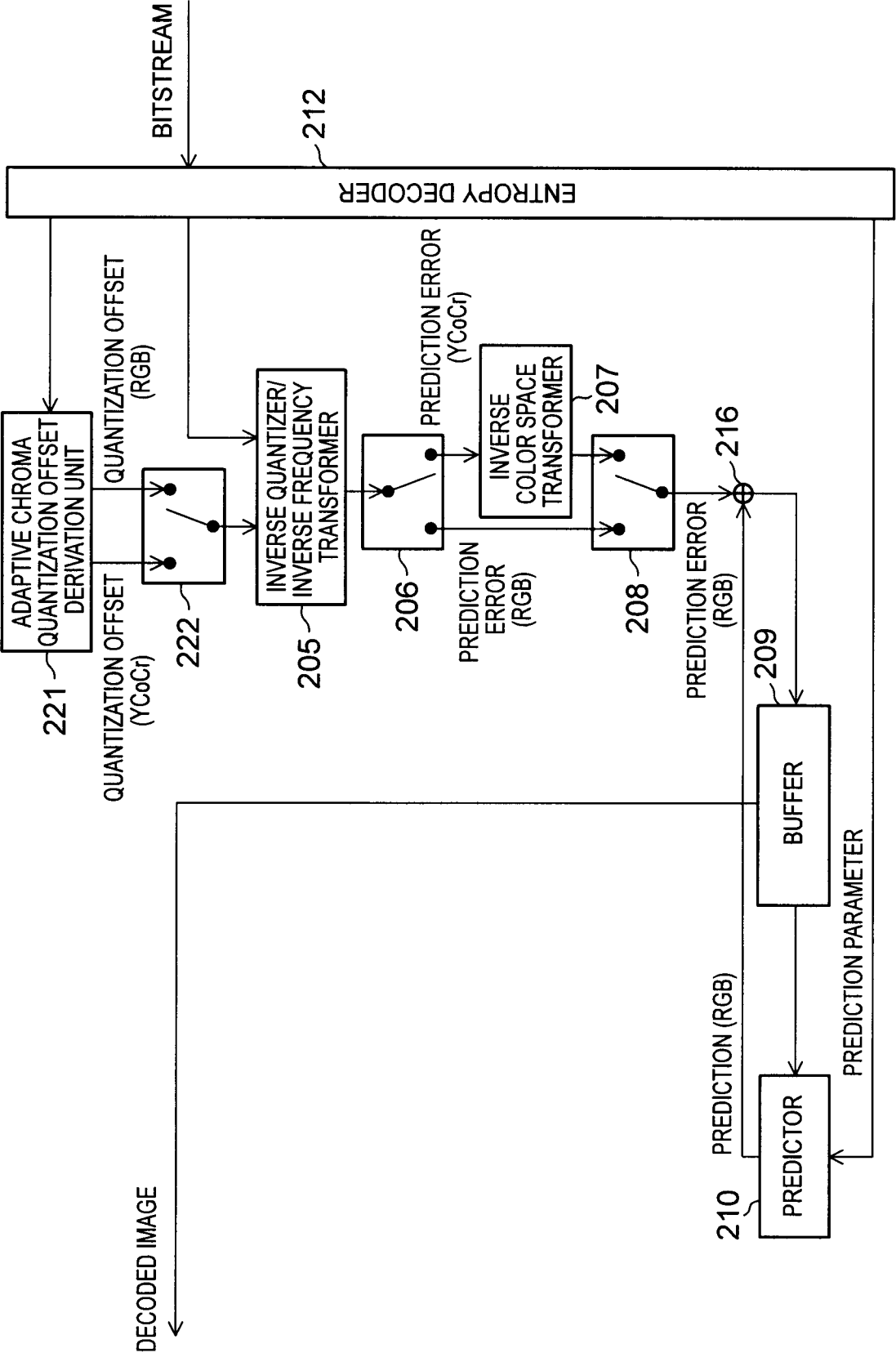


FIG. 4

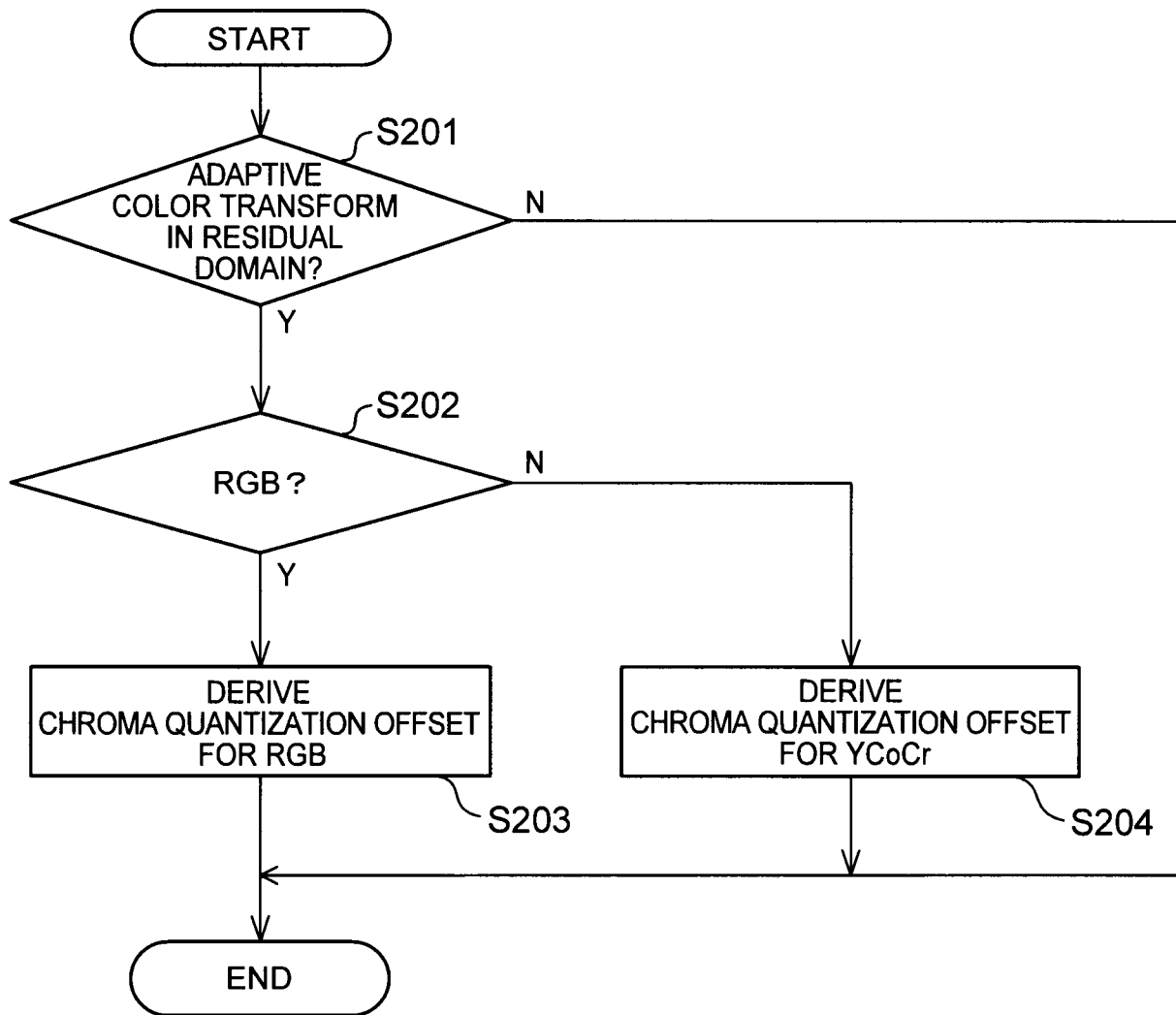


FIG. 5

pps_range_extensions() {	Descriptor
if(transform_skip_enabled_flag)	
log2_max_transform_skip_block_size_minus2	ue(v)
cross_component_prediction_enabled_flag	u(1)
chroma_qp_offset_list_enabled_flag	u(1)
if(chroma_qp_offset_list_enabled_flag) {	
diff_cu_chroma_qp_offset_depth	ue(v)
chroma_qp_offset_list_len_minus1	ue(v)
for(i = 0; i <= chroma_qp_offset_list_len_minus1; i++) {	
cb_qp_offset_list[i]	se(v)
cr_qp_offset_list[i]	se(v)
}	
}	
log2_sao_offset_scale_luma	ue(v)
log2_sao_offset_scale_chroma	ue(v)
if(adaptive_color_trans_flag) {	
alt_pps_cb_qp_offset	se(v)
alt_pps_cr_qp_offset	se(v)
}	
}	

alt_pps_cb_qp_offset and *alt_pps_cr_qp_offset* specify offsets to the luma quantization parameter Qp'Y used for deriving Qp'Cb and Qp'Cr, respectively. The values of *alt_pps_cb_qp_offset* and *alt_pps_cr_qp_offset* shall be in the range of -12 to +12, inclusive. When ChromaArrayType is equal to 0, *alt_pps_cb_qp_offset* and *pps_cr_qp_offset* are not used in the decoding process and decoders shall ignore their value.

FIG. 6

slice_segment_header() {	Descriptor
first_slice_segment_in_pic_flag	u(1)
if(nal_unit_type >= BLA_W_LP && nal_unit_type <= RSV_IRAP_VCL23)	
no_output_of_prior_pics_flag	u(1)
slice_pic_parameter_set_id	ue(v)
if(!first_slice_segment_in_pic_flag) {	
if(dependent_slice_segments_enabled_flag)	
dependent_slice_segment_flag	u(1)
slice_segment_address	u(v)
}	
if(!dependent_slice_segment_flag) {	
for(i = 0; i < num_extra_slice_header_bits; i++)	
slice_reserved_flag[i]	u(1)
slice_type	ue(v)
if(output_flag_present_flag)	
pic_output_flag	u(1)
if(separate_colour_plane_flag == 1)	
colour_plane_id	u(2)
if(nal_unit_type != IDR_W_RADL && nal_unit_type != IDR_N_LP) {	
slice_pic_order_cnt_lsb	u(v)
short_term_ref_pic_set_sps_flag	u(1)
if(!short_term_ref_pic_set_sps_flag)	
st_ref_pic_set(num_short_term_ref_pic_sets)	
else if(num_short_term_ref_pic_sets > 1)	
short_term_ref_pic_set_idx	u(v)
if(long_term_ref_pics_present_flag) {	
if(num_long_term_ref_pics_sps > 0)	
num_long_term_sps	ue(v)
num_long_term_pics	ue(v)
for(i = 0; i < num_long_term_sps + num_long_term_pics; i++) {	
if(i < num_long_term_sps) {	
if(num_long_term_ref_pics_sps > 1)	
lt_idx_sps[i]	u(v)
} else {	

FIG. 7

slice_qp_delta	se(v)
if(pps_slice_chroma_qp_offsets_present_flag) {	
slice_cb_qp_offset	se(v)
slice_cr_qp_offset	se(v)
if(adaptive_color_trans_flag) {	
alt_slice_cb_qp_offset	se(v)
alt_slice_cr_qp_offset	se(v)
}	
}	

alt_slice_cb_qp_offset specifies a difference to be added to the value of alt_pps_cb_qp_offset when determining the value of the Qp'Cb quantization parameter. The value of alt_slice_cb_qp_offset shall be in the range of -12 to +12, inclusive. When alt_slice_cb_qp_offset is not present, it is inferred to be equal to 0. The value of alt_pps_cb_qp_offset + alt_slice_cb_qp_offset shall be in the range of -12 to +12, inclusive.

alt_slice_cr_qp_offset specifies a difference to be added to the value of alt_pps_cr_qp_offset when determining the value of the Qp'Cr quantization parameter. The value of alt_slice_cr_qp_offset shall be in the range of -12 to +12, inclusive. When alt_slice_cr_qp_offset is not present, it is inferred to be equal to 0. The value of alt_pps_cr_qp_offset + alt_slice_cr_qp_offset shall be in the range of -12 to +12, inclusive.

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FIG. 8

pps_range_extensions() {	Descriptor
if(transform_skip_enabled_flag)	
log2_max_transform_skip_block_size_minus2	ue(v)
cross_component_prediction_enabled_flag	u(1)
chroma_qp_offset_list_enabled_flag	u(1)
if(chroma_qp_offset_list_enabled_flag) {	
diff_cu_chroma_qp_offset_depth	ue(v)
chroma_qp_offset_list_len_minus1	ue(v)
for(i = 0; i <= chroma_qp_offset_list_len_minus1; i++) {	
cb_qp_offset_list[i]	se(v)
cr_qp_offset_list[i]	se(v)
}	
if(adaptive_color_trans_flag) {	
for(i = chroma_qp_offset_list_len_minus1+1; i <=	
2*chroma_qp_offset_list_len_minus1; i++) {	
cb_qp_offset_list[i]	se(v)
cr_qp_offset_list[i]	se(v)
}	
}	
log2_sao_offset_scale_luma	ue(v)
log2_sao_offset_scale_chroma	ue(v)
}	

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FIG. 9

pps_range_extensions() {	Descriptor
if(transform_skip_enabled_flag)	
log2_max_transform_skip_block_size_minus2	ue(v)
cross_component_prediction_enabled_flag	u(1)
chroma_qp_offset_list_enabled_flag	u(1)
if(chroma_qp_offset_list_enabled_flag) {	
diff_cu_chroma_qp_offset_depth	ue(v)
chroma_qp_offset_list_len_minus1	ue(v)
for(i = 0; i <= chroma_qp_offset_list_len_minus1; i++) {	
cb_qp_offset_list[i]	se(v)
cr_qp_offset_list[i]	se(v)
}	
if(adaptive_color_trans_flag) {	
for(i = 0; i <= chroma_qp_offset_list_len_minus1; i++) {	
alt_cb_qp_offset_list[i]	se(v)
alt_cr_qp_offset_list[i]	se(v)
}	
}	
log2_sao_offset_scale_luma	ue(v)
log2_sao_offset_scale_chroma	ue(v)
}	

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FIG. 10

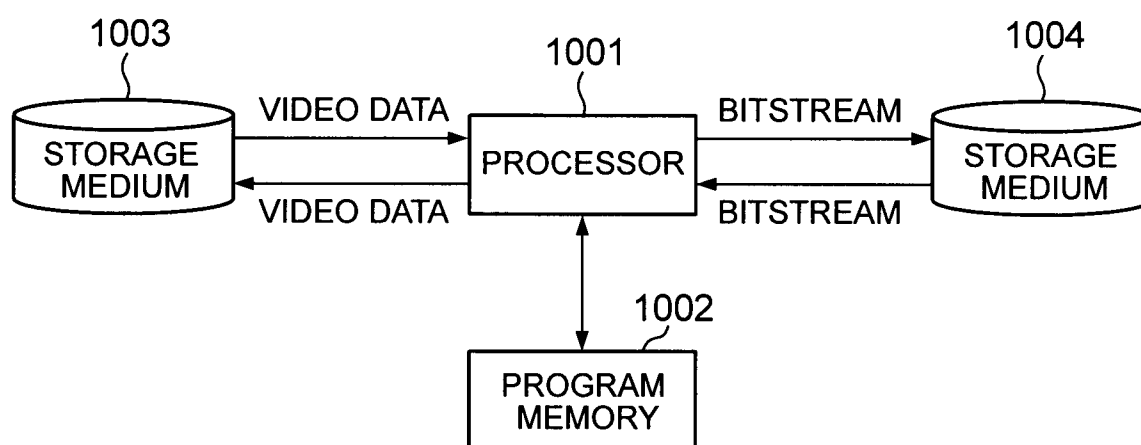


FIG. 11

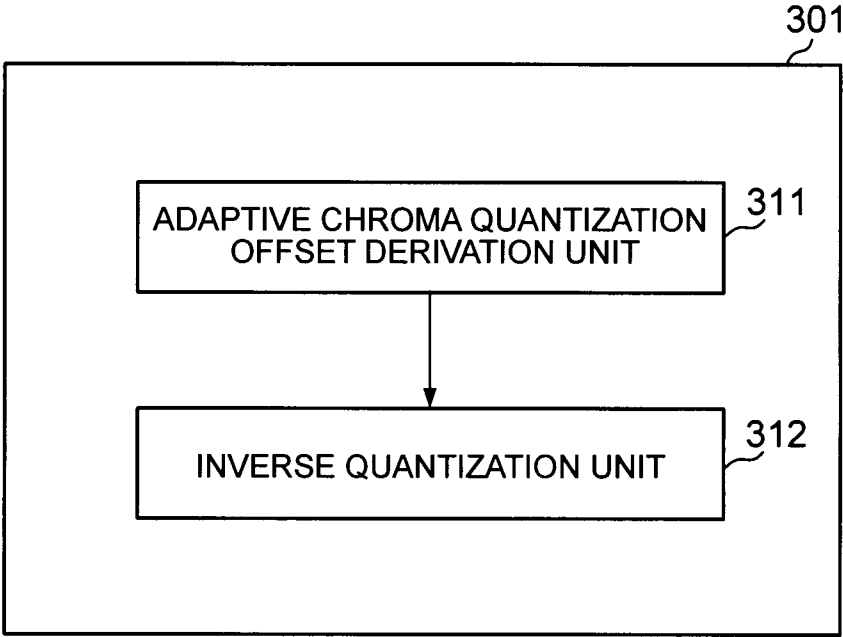


FIG. 12

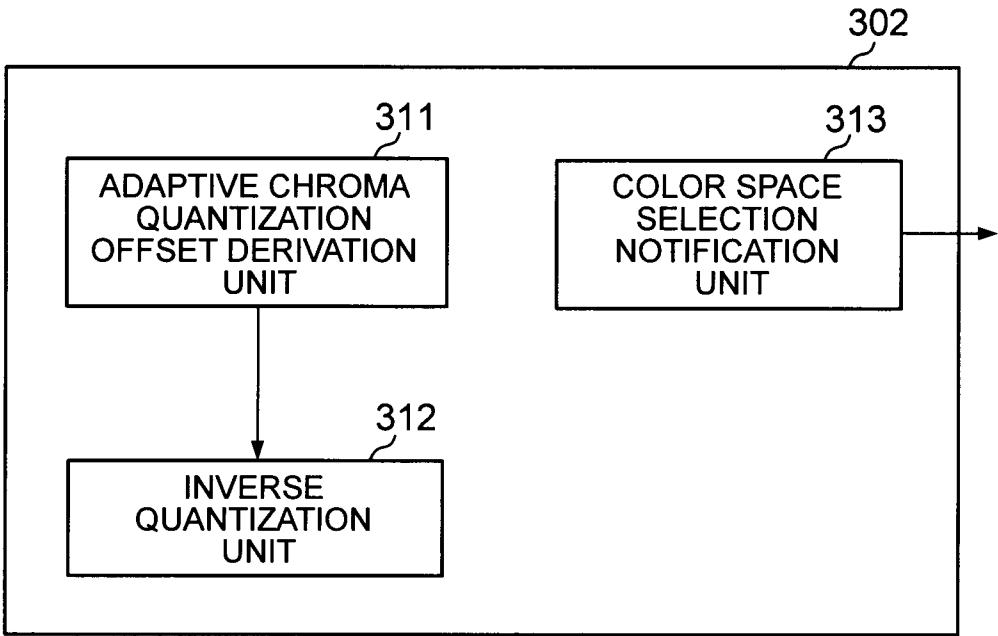


FIG. 13

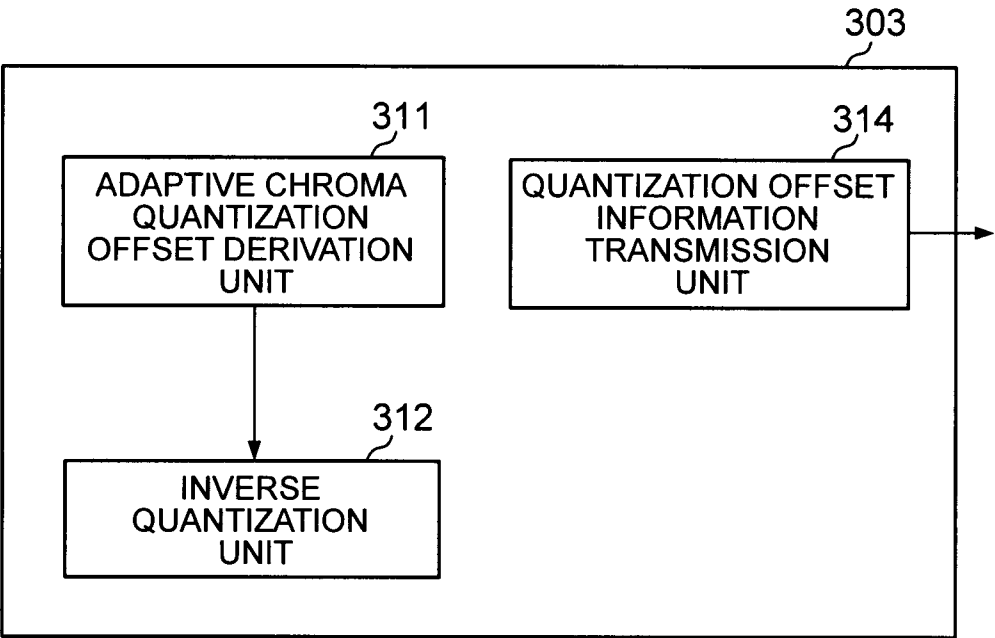


FIG. 14

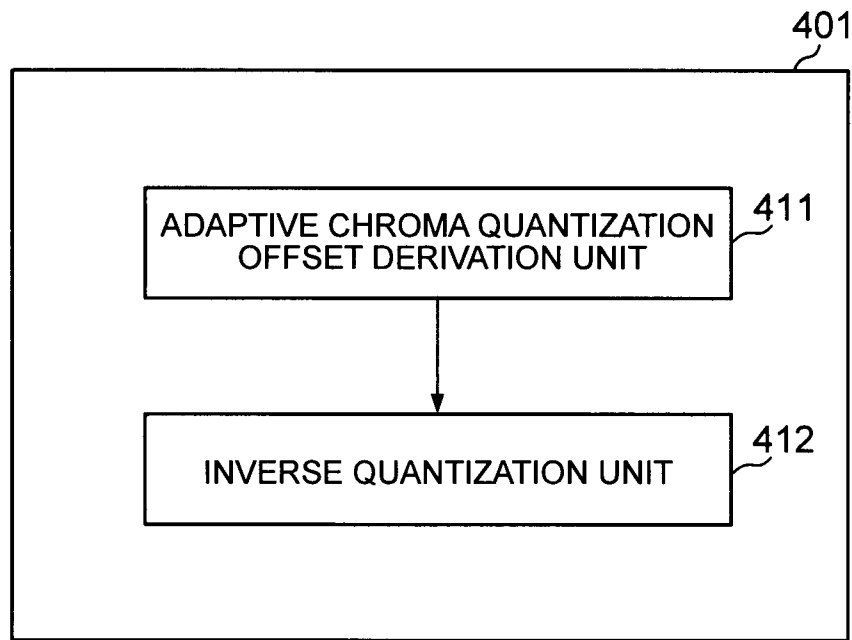


FIG. 15

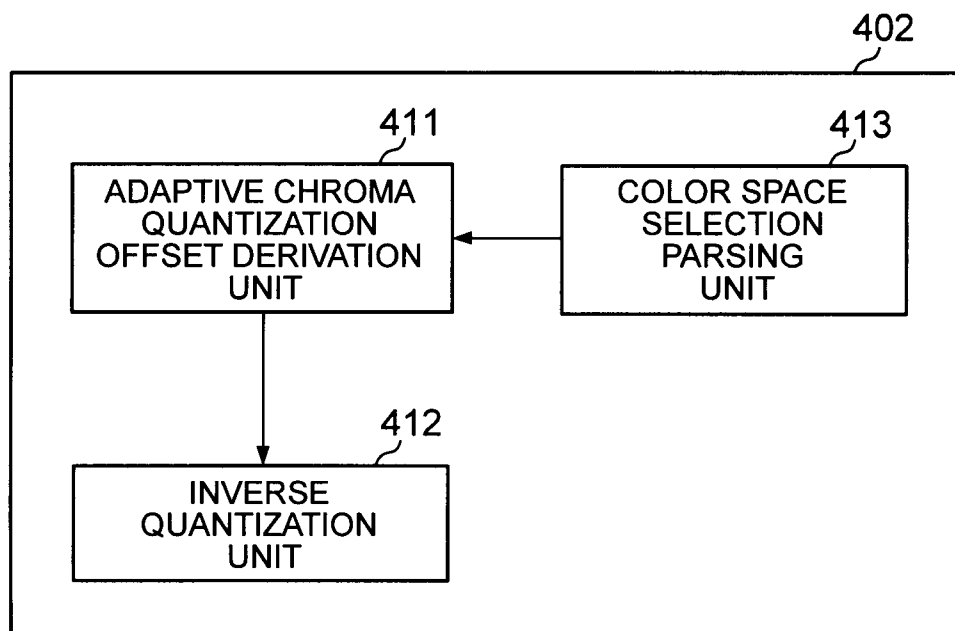


FIG. 16

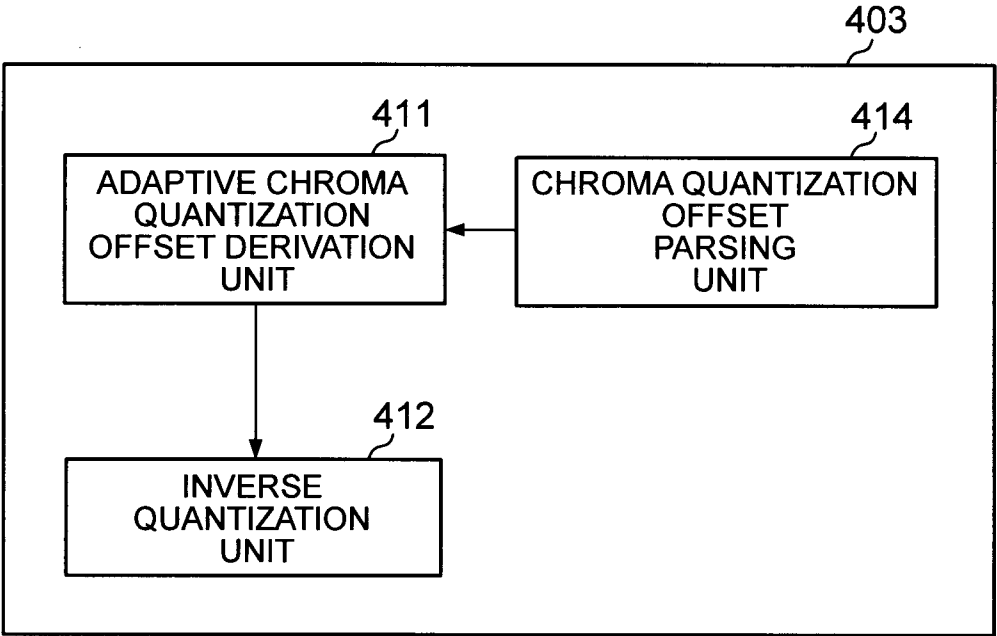


FIG. 17

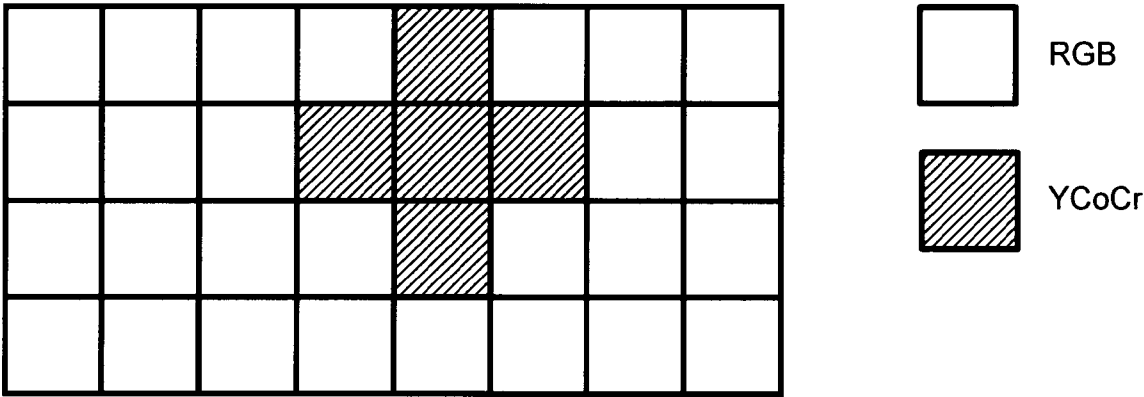


FIG. 18

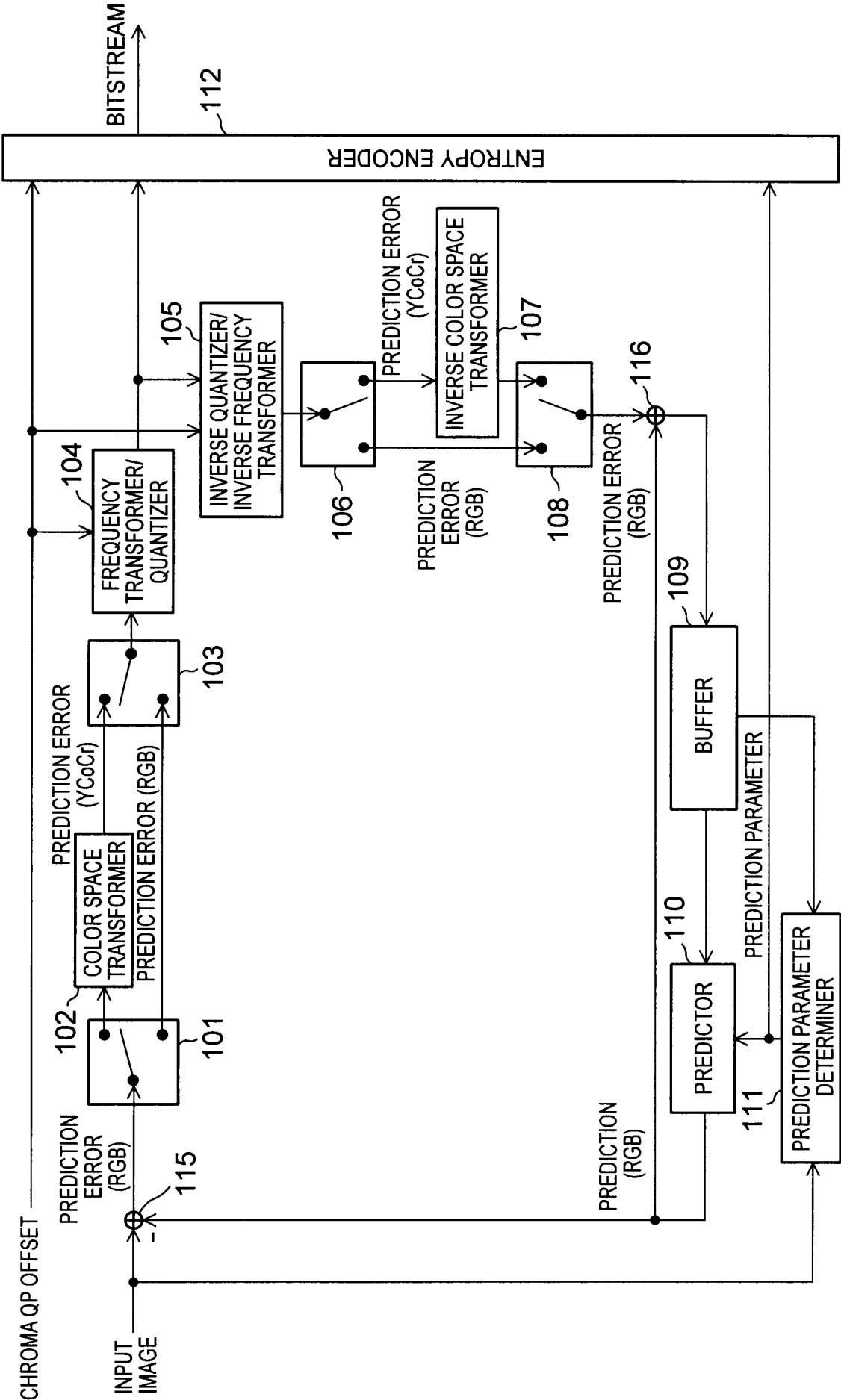


FIG. 19

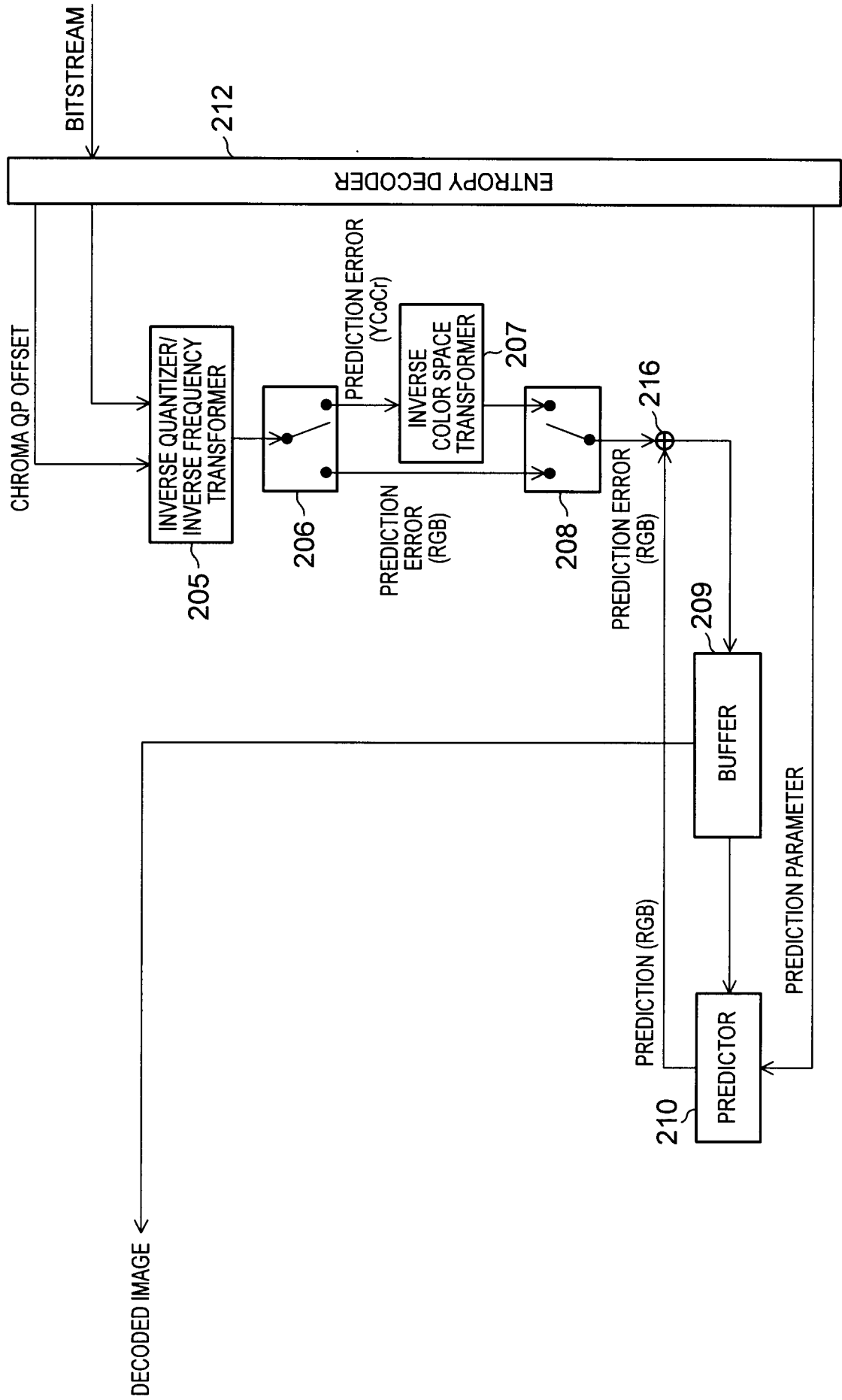


FIG. 20

