

	R01	R02	R03	R04	R05	R06	R07	R08	R09
R10	S11	S12	S13	S14	104				
R20	S21	S22	S23	S24					
R30	S31	S32	S33	S34					
R40	S41	S42	S43	S44					
R50									
R60									
R70									

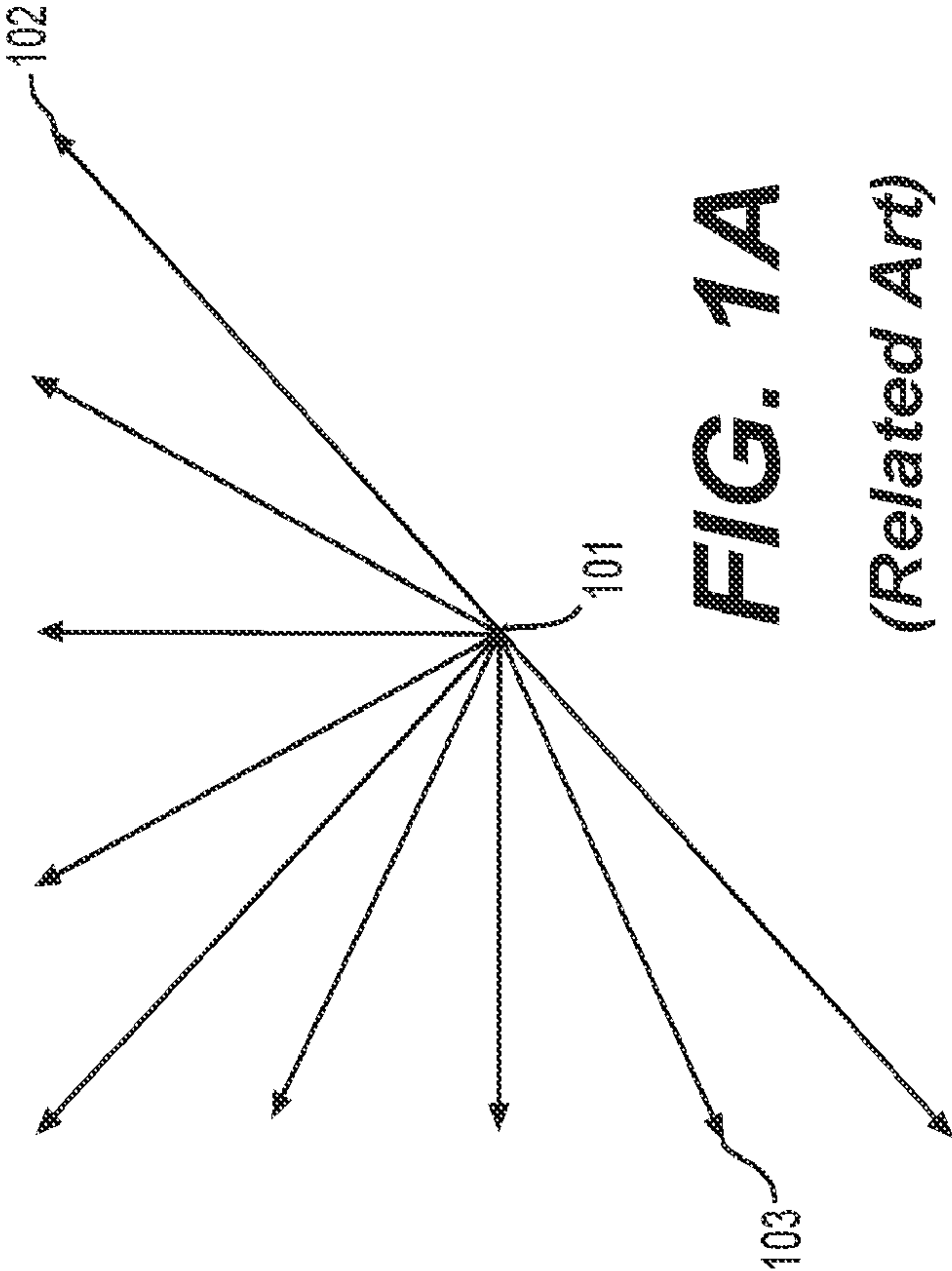
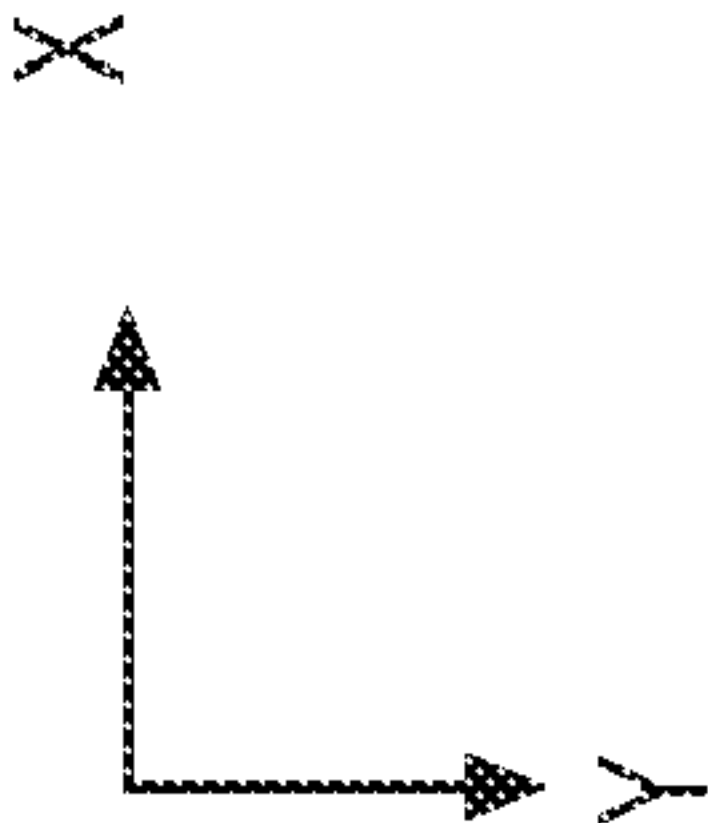
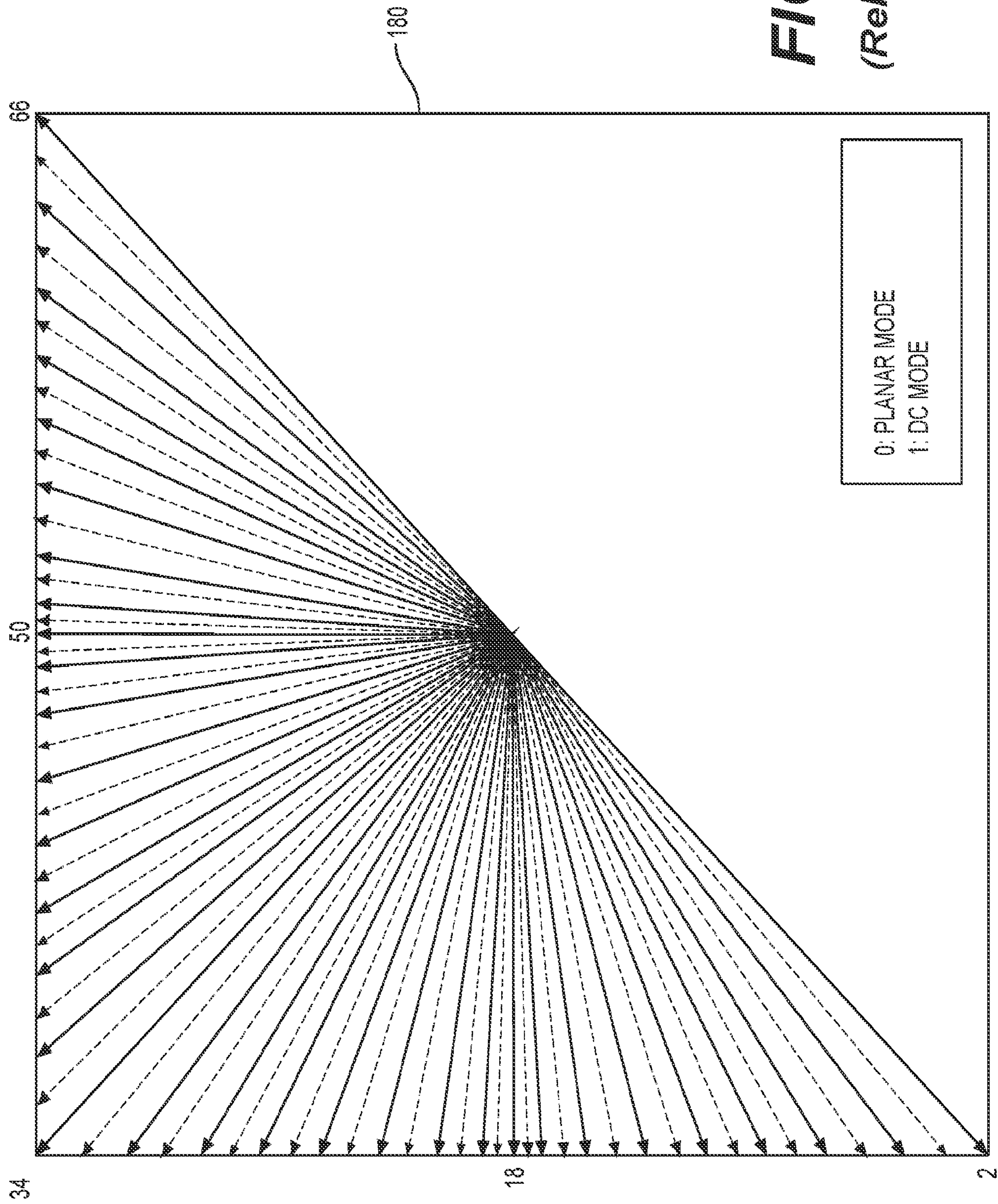


FIG. 1A
(Related Art)



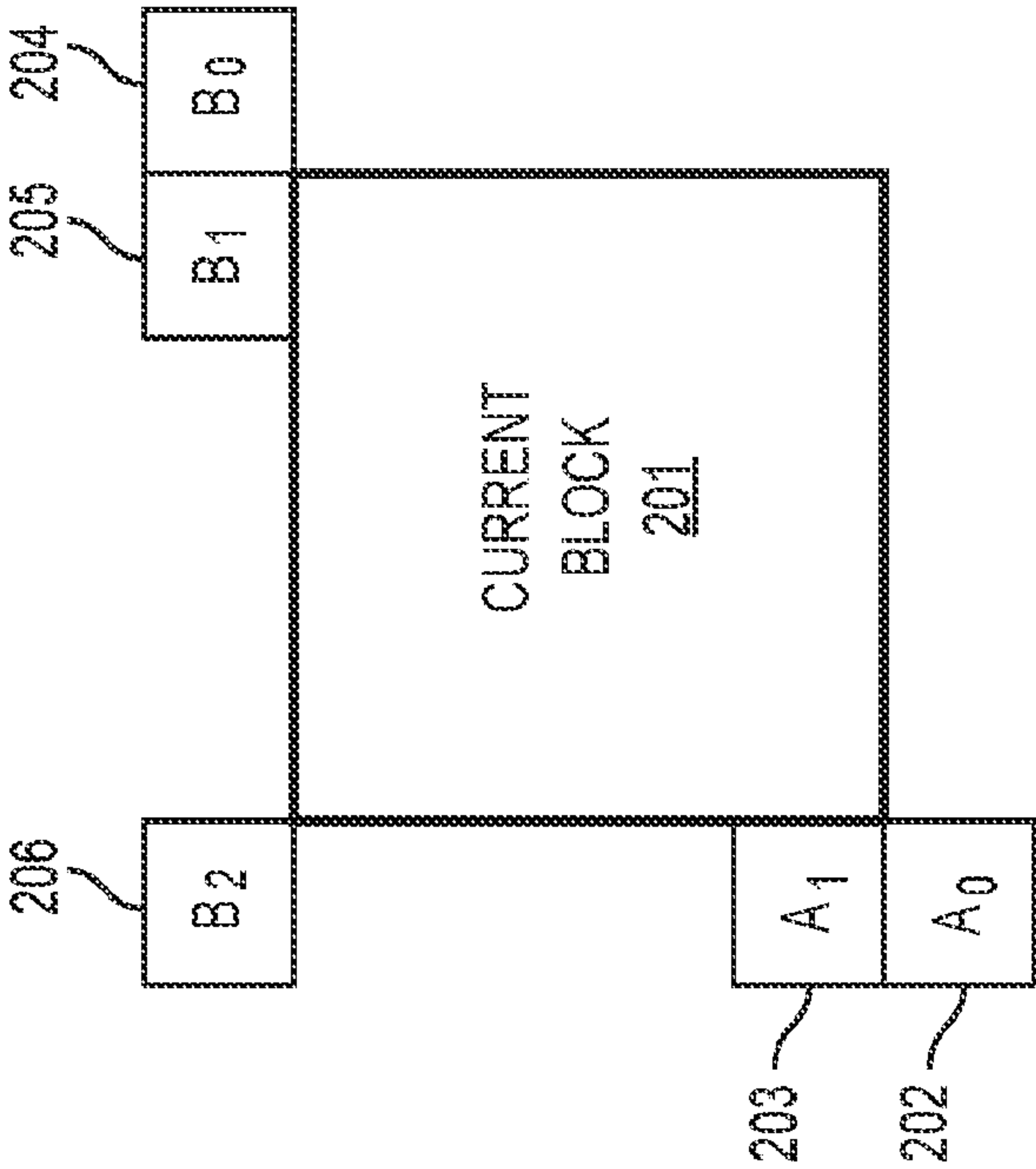
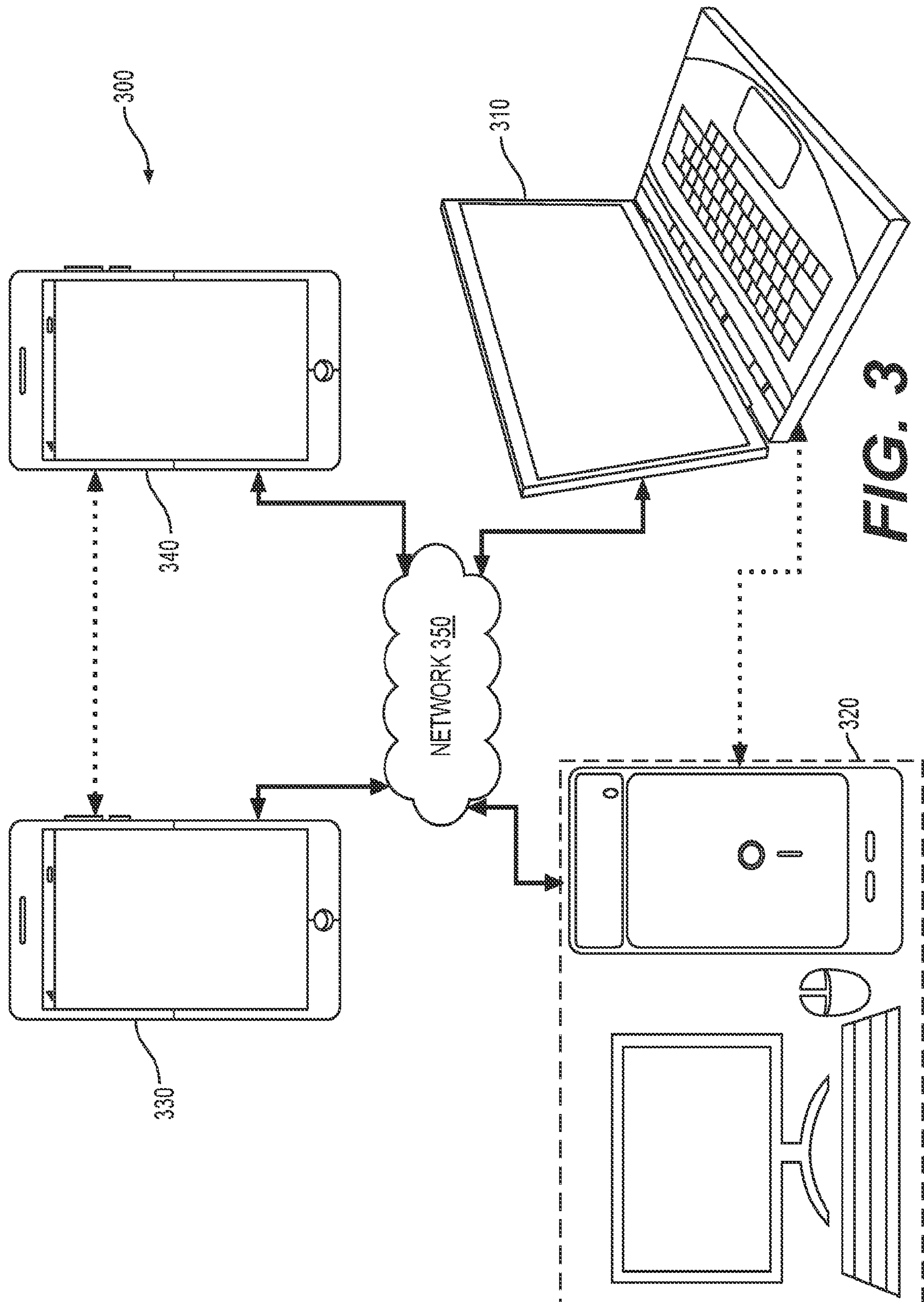


FIG. 2
(Related Art)



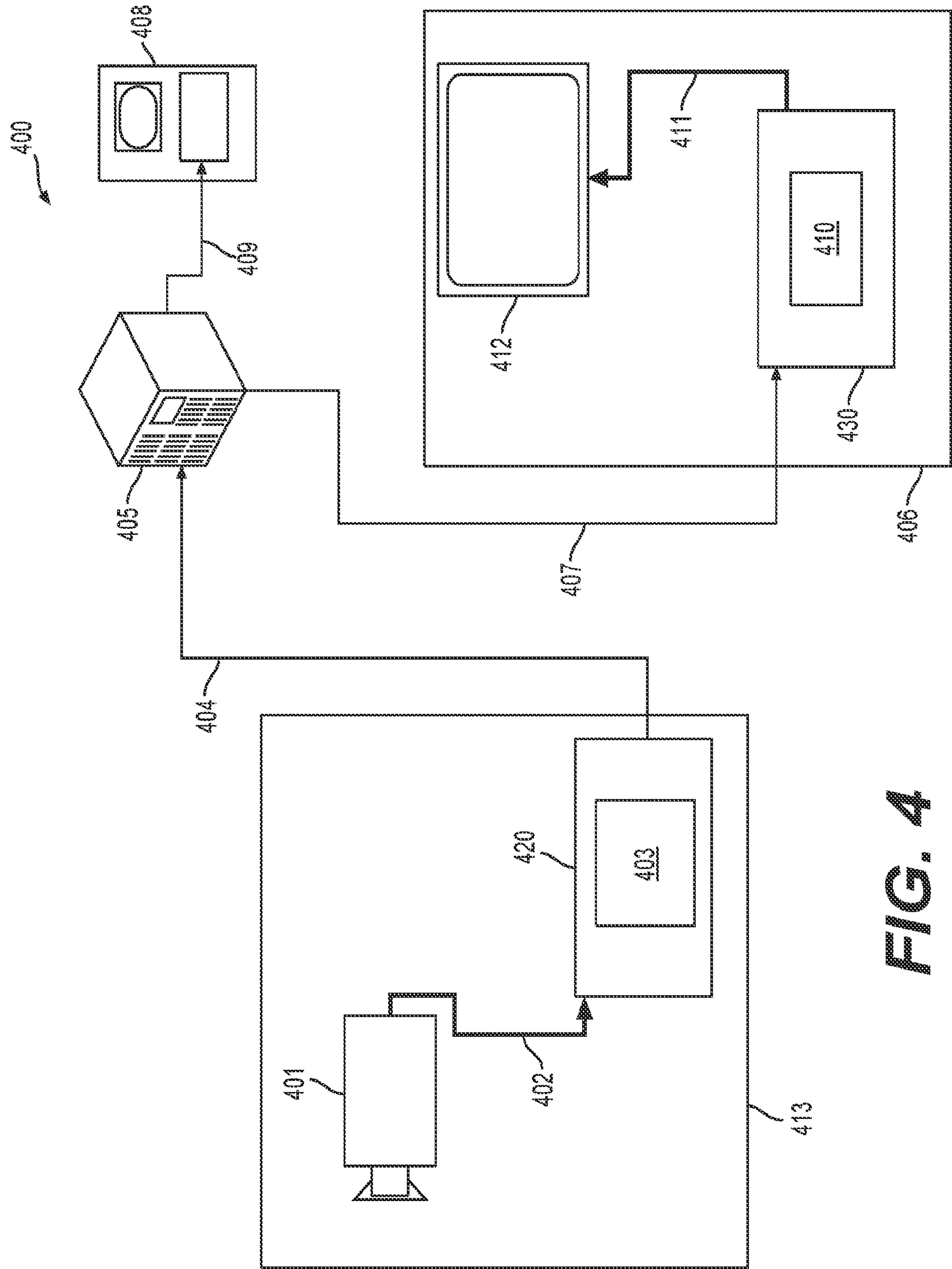
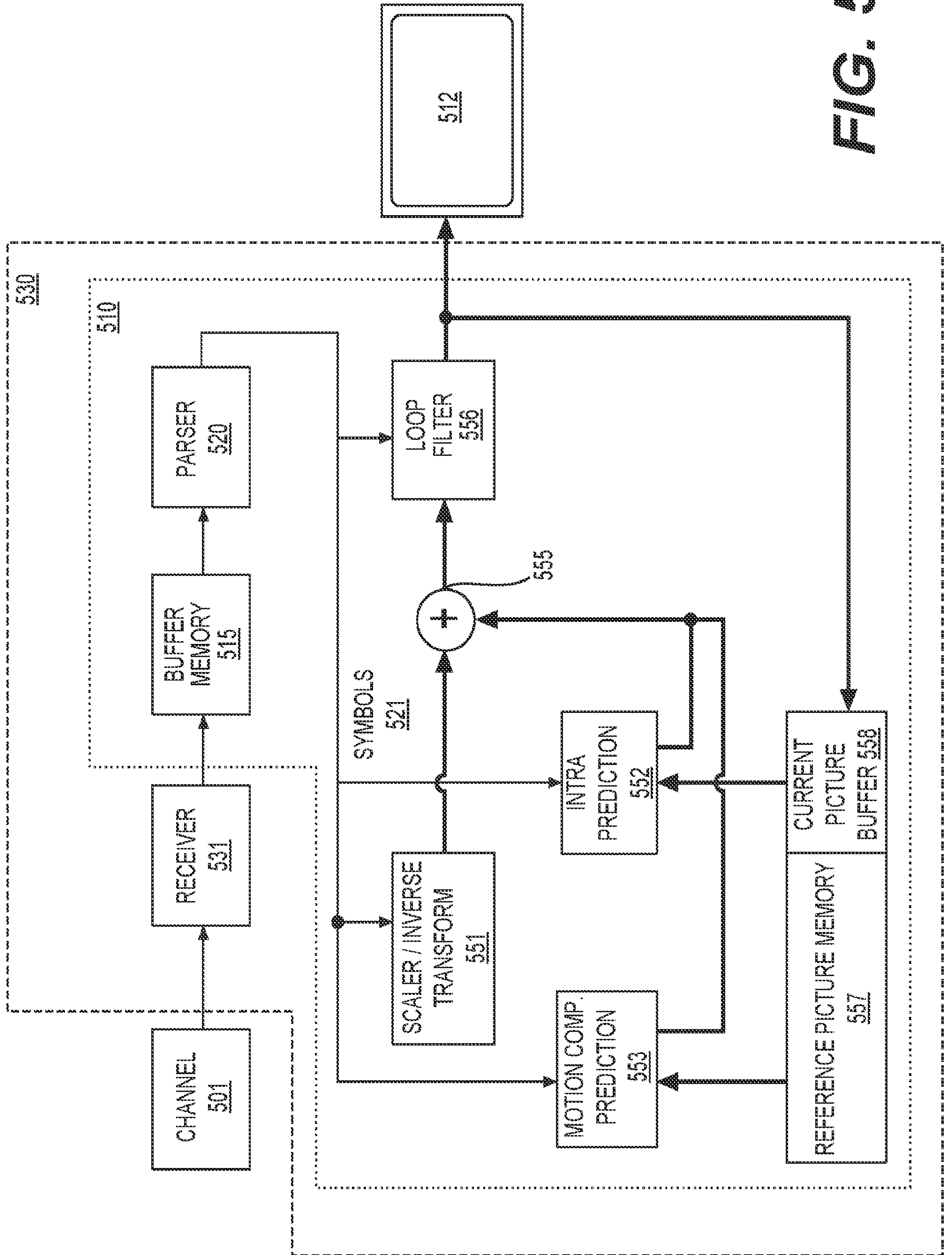
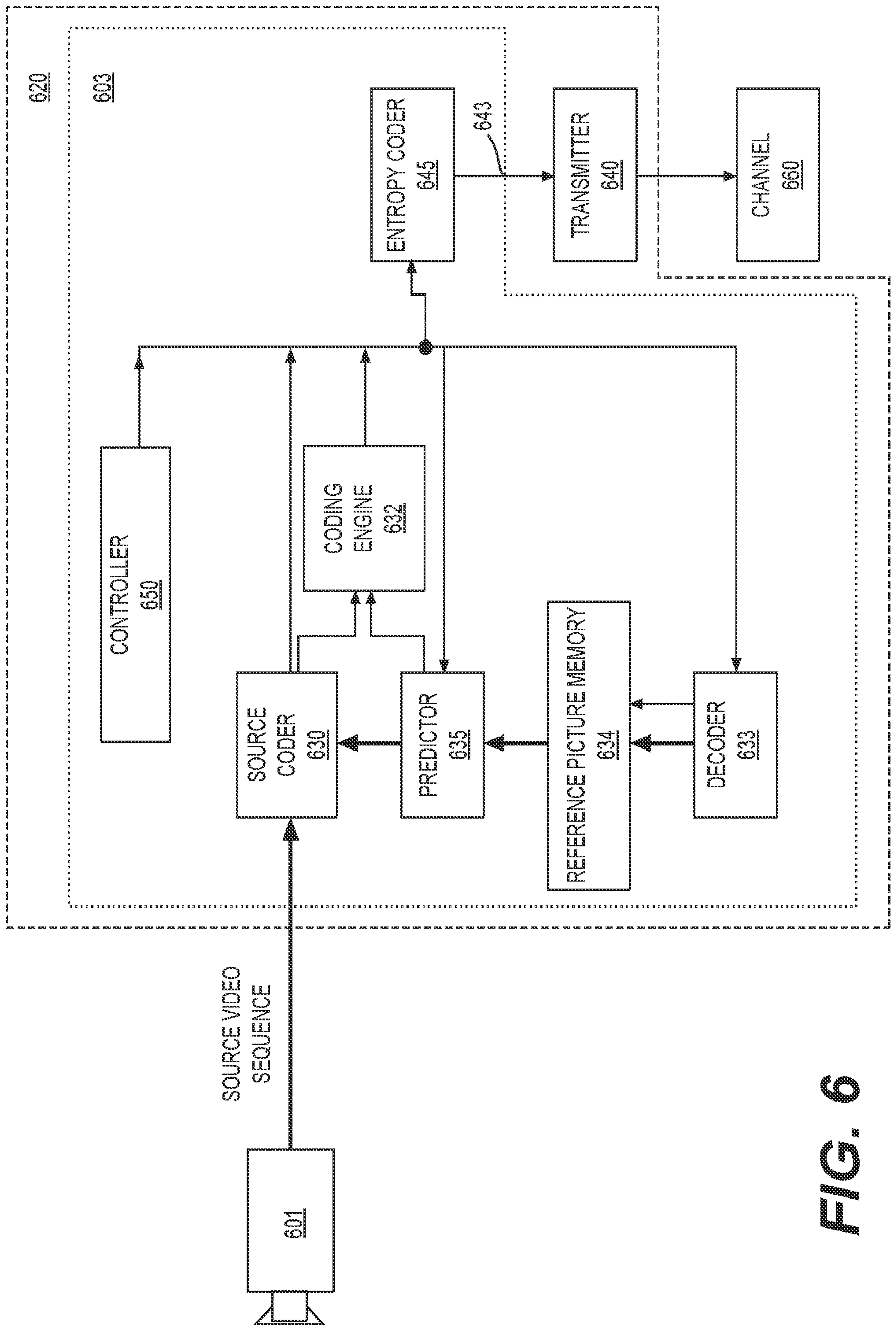


FIG. 4

**FIG. 5**

**FIG. 6**

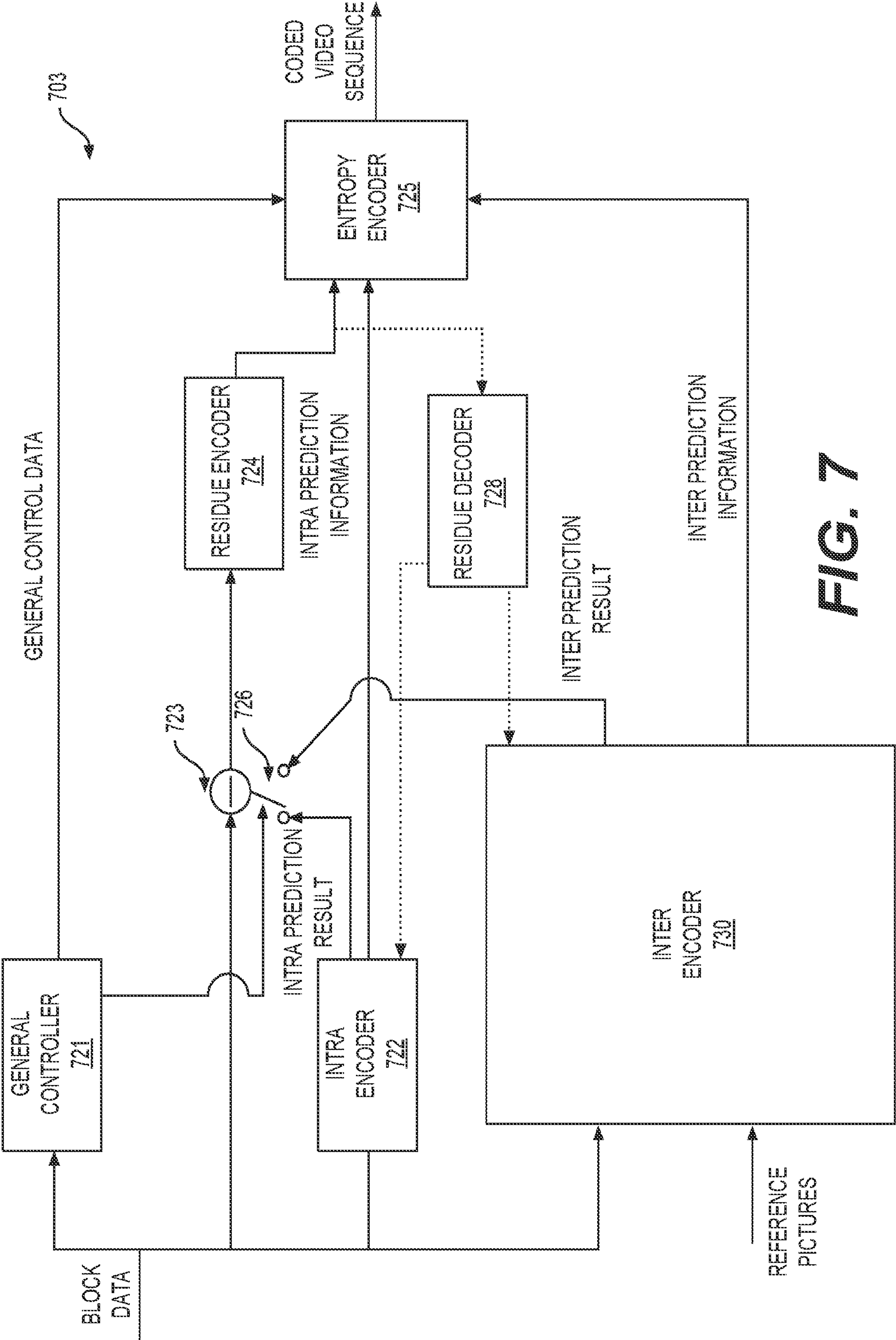
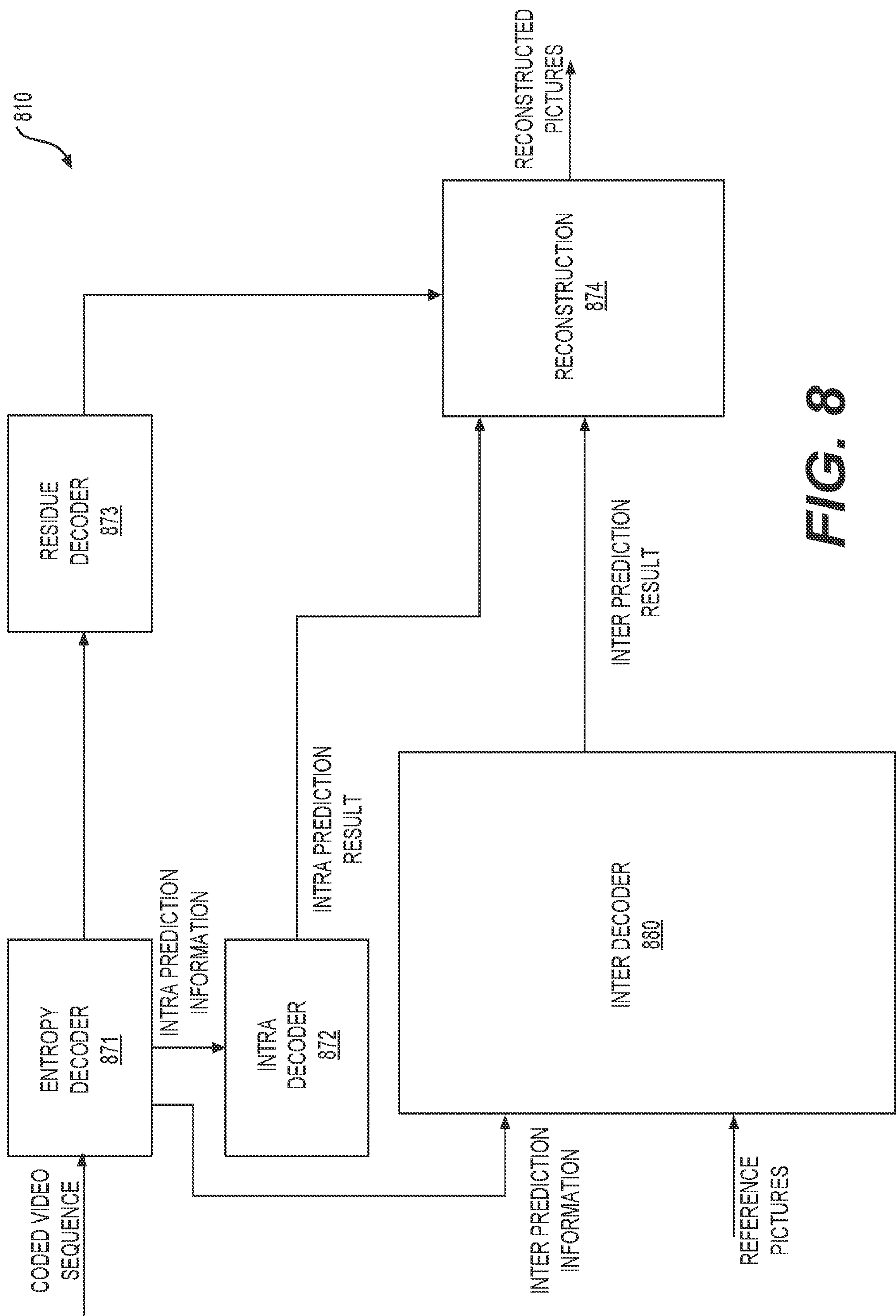


FIG. 7



seq_parameter_set_rbsp() {	Descriptor
sps_decoding_parameter_set_id	u(4)
sps_video_parameter_set_id	u(4)
sps_max_sub_layers_minus1	u(3)
sps_reserved_zero_4bits	u(4)
sps_ptl_dpb_hrd_params_present_flag	u(1)
if(sps_ptl_dpb_hrd_params_present_flag)	
profile_tier_level(1, sps_max_sub_layers_minus1)	
gdr_enabled_flag	u(1)
sps_seq_parameter_set_id	u(4)
chroma_format_idc	u(2)
if(chroma_format_idc == 3)	
separate_colour_plane_flag	u(1)
ref_pic_resampling_enabled_flag	u(1)
sps_seq_parameter_set_id	ue(v)
chroma_format_idc	ue(v)
if(chroma_format_idc == 3)	
separate_colour_plane_flag	u(1)
pic_width_max_in_luma_samples	ue(v)
pic_height_max_in_luma_samples	ue(v)
sps_log2_ctu_size_minus5	u(2)
subpics_present_flag	u(1)

FIG. 9A

Continued from FIG. 9A

sps_num_subpics_minus1	u(8)
for(i = 0; i <= sps_num_subpics_minus1; i++) {	
subpic_ctu_top_left_x[i]	u(v)
subpic_ctu_top_left_y[i]	u(v)
subpic_width_minus1[i]	u(v)
subpic_height_minus1[i]	u(v)
subpic_treated_as_pic_flag[i]	u(1)
loop_filter_across_subpic_enabled_flag[i]	u(1)
}	
}	
sps_subpic_id_present_flag	u(1)
if(sps_subpics_id_present_flag) {	
sps_subpic_id_signalling_present_flag	u(1)
if(sps_subpics_id_signalling_present_flag) {	
sps_subpic_id_len_minus1	ue(v)
for(i = 0; i <= sps_num_subpics_minus1; i++)	
sps_subpic_id[i]	u(v)
}	
}	
bit_depth_minus8	ue(v)
min_qp_prime_ts_minus4	ue(v)
sps_weighted_pred_flag	u(1)
sps_weighted_bipred_flag	u(1)
log2_max_pic_order_cnt_lsb_minus4	u(4)
sps_poc_msb_flag	u(1)
if(sps_poc_msb_flag)	
poc_msb_len_minus1	ue(v)
if(sps_max_sub_layers_minus1 > 0)	
sps_sub_layer_dpb_params_flag	u(1)
if(sps_ptl_dpb_hrd_params_present_flag)	
dpb_parameters(0, sps_max_sub_layers_minus1, sps_sub_layer_dpb_params_flag)	

FIG. 9B

Continued from FIG. 9B

long_term_ref_pics_flag	u(1)
inter_layer_ref_pics_present_flag	u(1)
sps_idr_rpl_present_flag	u(1)
rpl1_same_as_rpl0_flag	u(1)
for(i = 0; i < !rpl1_same_as_rpl0_flag ? 2 : 1; i++) {	
num_ref_pic_lists_in_sps[i]	ue(v)
for(j = 0; j < num_ref_pic_lists_in_sps[i]; j++)	
ref_pic_list_struct(i, j)	
}	
if(ChromaArrayType != 0)	
qtbtt_dual_tree_intra_flag	u(1)
log2_min_luma_coding_block_size_minus2	ue(v)
partition_constraints_override_enabled_flag	u(1)
sps_log2_diff_min_qt_min_cb_intra_slice_luma	ue(v)

FIG. 9C

Continued from FIG. 9C

sps_log2_diff_min_qt_min_cb_inter_slice	ue(v)
sps_max_mtt_hierarchy_depth_inter_slice	ue(v)
sps_max_mtt_hierarchy_depth_intra_slice_luma	ue(v)
if(sps_max_mtt_hierarchy_depth_intra_slice_luma != 0) {	
sps_log2_diff_max_bt_min_qt_intra_slice_luma	ue(v)
sps_log2_diff_max_tt_min_qt_intra_slice_luma	ue(v)
}	
if(sps_max_mtt_hierarchy_depth_inter_slice != 0) {	
sps_log2_diff_max_bt_min_qt_inter_slice	ue(v)
sps_log2_diff_max_tt_min_qt_inter_slice	ue(v)
}	
if(qtbtt_dual_tree_intra_flag) {	
sps_log2_diff_min_qt_min_cb_intra_slice_chroma	ue(v)
sps_max_mtt_hierarchy_depth_intra_slice_chroma	ue(v)
if(sps_max_mtt_hierarchy_depth_intra_slice_chroma != 0) {	
sps_log2_diff_max_bt_min_qt_intra_slice_chroma	ue(v)
sps_log2_diff_max_tt_min_qt_intra_slice_chroma	ue(v)
}	
}	
sps_max_luma_transform_size_64_flag	u(1)
sps_joint_cbr_enabled_flag	u(1)
if(ChromaArrayType != 0) {	
same_qp_table_for_chroma	u(1)
numQpTables = same_qp_table_for_chroma ? 1 : (	
sps_joint_cbr_enabled_flag ? 3 : 2)	
for(i = 0; i < numQpTables; i++) {	
qp_table_start_minus26[i]	se(v)
num_points_in_qp_table_minus1[i]	ue(v)
for(j = 0; j <= num_points_in_qp_table_minus1[i]; j++) {	
delta_qp_in_val_minus1[i][j]	ue(v)
delta_qp_diff_val[i][j]	ue(v)
}	
}	
}	

910

FIG. 9D

Continued from FIG. 9D

911	sps_sao_enabled_flag	u(1)
	sps_alf_enabled_flag	u(1)
	sps_transform_skip_enabled_flag	u(1)
	if(sps_transform_skip_enabled_flag)	
	sps_bdpcm_enabled_flag	u(1)
	if(sps_bdpcm_enabled_flag && chroma_format_idc == 3)	
	sps_bdpcm_chroma_enabled_flag	u(1)
	sps_ref_wraparound_enabled_flag	u(1)
	if(sps_ref_wraparound_enabled_flag)	
	sps_ref_wraparound_offset_minus1	ue(v)
	sps_temporal_mvp_enabled_flag	u(1)
	if(sps_temporal_mvp_enabled_flag)	
	sps_sbtmvp_enabled_flag	u(1)
	sps_amvr_enabled_flag	u(1)
	sps_bdof_enabled_flag	u(1)
	if(sps_bdof_enabled_flag)	
	sps_bdof_pic_present_flag	u(1)
	sps_smvd_enabled_flag	u(1)
	sps_dmvr_enabled_flag	u(1)
	if(sps_dmvr_enabled_flag)	
	sps_dmvr_pic_present_flag	u(1)
	sps_mmvd_enabled_flag	u(1)
	sps_isp_enabled_flag	u(1)
	sps_mrl_enabled_flag	u(1)
	sps_mip_enabled_flag	u(1)

FIG. 9E

Continued from FIG. 9E

	if(ChromaArrayType != 0)	
	sps_cclm_enabled_flag	u(1)
	if(sps_cclm_enabled_flag && chroma_format_idc == 1) [Ed. (JC): should sps_cclm_collocated_chroma_flag also be signalled for 422 case since it's used in the decoding process, to be confirmed]	
	sps_cclm_collocated_chroma_flag	u(1)
	sps_mts_enabled_flag	u(1)
	if(sps_mts_enabled_flag) {	
	sps_explicit_mts_intra_enabled_flag	u(1)
	sps_explicit_mts_inter_enabled_flag	u(1)
	}	
	sps_sbt_enabled_flag	u(1)
	sps_affine_enabled_flag	u(1)
	if(sps_affine_enabled_flag) {	
	sps_affine_type_flag	u(1)
	sps_affine_amvr_enabled_flag	u(1)
	sps_affine_prof_enabled_flag	u(1)
	if(sps_affine_prof_enabled_flag)	
912	sps_prof_pic_present_flag	u(1)
	}	
	if(chroma_format_idc == 3) {	
	sps_palette_enabled_flag	u(1)
	sps_act_enabled_flag	u(1)
	}	
	sps_bcw_enabled_flag	u(1)
	sps_ibc_enabled_flag	u(1)
	sps_ciip_enabled_flag	u(1)
	if(sps_mmvd_enabled_flag)	
	sps_fpel_mmvd_enabled_flag	u(1)
	sps_triangle_enabled_flag	u(1)
	sps_lmcs_enabled_flag	u(1)
	sps_lfnst_enabled_flag	u(1)

FIG. 9F

Continued from FIG. 9F

sps_ladf_enabled_flag	u(1)
if(sps_ladf_enabled_flag) {	
sps_num_ladf_intervals_minus2	u(2)
sps_ladf_lowest_interval_qp_offset	se(v)
for(i = 0; i < sps_num_ladf_intervals_minus2 + 1; i++) {	
sps_ladf_qp_offset[i]	se(v)
sps_ladf_delta_threshold_minus1[i]	ue(v)
}	
}	
sps_scaling_list_enabled_flag	u(1)
sps_loop_filter_across_virtual_boundaries_disabled_present_flag	u(1)
if(sps_loop_filter_across_virtual_boundaries_disabled_present_flag) {	
sps_num_ver_virtual_boundaries	u(2)
for(i = 0; i < sps_num_ver_virtual_boundaries; i++)	
sps_virtual_boundaries_pos_x[i]	u(13)
sps_num_hor_virtual_boundaries	u(2)
for(i = 0; i < sps_num_hor_virtual_boundaries; i++)	
sps_virtual_boundaries_pos_y[i]	u(13)
}	
if(sps_ptl_dpb_hrd_params_present_flag) {	
sps_general_hrd_params_present_flag	u(1)
if(sps_general_hrd_params_present_flag) {	
general_hrd_parameters()	
if(sps_max_sub_layers_minus1 > 0)	
sps_sub_layer_cpb_params_present_flag	u(1)
firstSubLayer = sps_sub_layer_cpb_params_present_flag ? 0 :	
sps_max_sub_layers_minus1	
ols_hrd_parameters(firstSubLayer, sps_max_sub_layers_minus1)	
}	
}	
vui_parameters_present_flag	u(1)
if(vui_parameters_present_flag)	
vui_parameters()	
sps_extension_flag	u(1)
if(sps_extension_flag)	
while(more_rbsp_data())	
sps_extension_data_flag	u(1)
rbsp_trailing_bits()	
}	

FIG. 9G

pic_parameter_set_rbsp() {	Descriptor
pps_pic_parameter_set_id	ue(v)
pps_seq_parameter_set_id	u(4)
pic_width_in_luma_samples	ue(v)
pic_height_in_luma_samples	ue(v)
conformance_window_flag	u(1)
if(conformance_window_flag) {	
conf_win_left_offset	ue(v)
conf_win_right_offset	ue(v)
conf_win_top_offset	ue(v)
conf_win_bottom_offset	ue(v)
}	
scaling_window_flag	u(1)
if(scaling_window_flag) {	
scaling_win_left_offset	ue(v)
scaling_win_right_offset	ue(v)
scaling_win_top_offset	ue(v)
scaling_win_bottom_offset	ue(v)
}	
output_flag_present_flag	u(1)
mixed_nalu_types_in_pic_flag	u(1)
pps_subpic_id_signalling_present_flag	u(1)
if(pps_subpics_id_signalling_present_flag) {	
pps_num_subpics_minus1	ue(v)
pps_subpic_id_len_minus1	ue(v)
for(i = 0; i <= pps_num_subpic_minus1; i++)	
pps_subpic_id[i]	u(v)
}	
no_pic_partition_flag	u(1)

FIG. 10A

Continued from FIG. 10A

if(!no_pic_partition_flag) {	
pps_log2_ctu_size_minus5	u(2)
num_exp_tile_columns_minus1	ue(v)
num_exp_tile_rows_minus1	ue(v)
for(i = 0; i <= num_exp_tile_columns_minus1; i++)	
tile_column_width_minus1[i]	ue(v)
for(i = 0; i <= num_exp_tile_rows_minus1; i++)	
tile_row_height_minus1[i]	ue(v)
rect_slice_flag	u(1)
if(rect_slice_flag)	
single_slice_per_subpic_flag	u(1)
if(rect_slice_flag && !single_slice_per_subpic_flag) {	
num_slices_in_pic_minus1	ue(v)
tile_idx_delta_present_flag	u(1)
for(i = 0; i < num_slices_in_pic_minus1; i++) {	
slice_width_in_tiles_minus1[i]	ue(v)
slice_height_in_tiles_minus1[i]	ue(v)
if(slice_width_in_tiles_minus1[i] == 0 && slice_height_in_tiles_minus1[i] == 0) {	
num_slices_in_tile_minus1[i]	ue(v)
numSlicesInTileMinus1 = num_slices_in_tile_minus1[i]	
for(j = 0; j < numSlicesInTileMinus1; j++)	
slice_height_in_ctu_minus1[i++]	ue(v)
}	
if(tile_idx_delta_present_flag && i < num_slices_in_pic_minus1)	
tile_idx_delta[i]	se(v)
}	
}	
loop_filter_across_tiles_enabled_flag	u(1)
loop_filter_across_slices_enabled_flag	u(1)
}	

FIG. 10B

Continued from FIG. 10B

	entropy_coding_sync_enabled_flag	u(1)
	if(!no_pic_partition_flag entropy_coding_sync_enabled_flag)	
	entry_point_offsets_present_flag	u(1)
	cabac_init_present_flag	u(1)
	for(i = 0; i < 2; i++)	
	num_ref_idx_default_active_minus1[i]	ue(v)
	rpl1_idx_present_flag	u(1)
	init_qp_minus26	se(v)
	if(sps_transform_skip_enabled_flag)	
1001	log2_transform_skip_max_size_minus2	ue(v)
	cu_qp_delta_enabled_flag	u(1)
	pps_cb_qp_offset	se(v)
	pps_cr_qp_offset	se(v)
	pps_joint_cbr_qp_offset_present_flag	u(1)
	if(pps_joint_cbr_qp_offset_present_flag)	
	pps_joint_cbr_qp_offset_value	se(v)
	pps_slice_chroma_qp_offsets_present_flag	u(1)
	pps_cu_chroma_qp_offset_list_enabled_flag	u(1)
	if(pps_cu_chroma_qp_offset_list_enabled_flag) {	
1002	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(pps_joint_cbr_qp_offset_present_flag)	
	joint_cbr_qp_offset_list[i]	se(v)
	}	
	}	

FIG. 10C

Continued from FIG. 10C

pps_weighted_pred_flag	u(1)
pps_weighted_bipred_flag	u(1)
deblocking_filter_control_present_flag	u(1)
if(deblocking_filter_control_present_flag) {	
deblocking_filter_override_enabled_flag	u(1)
pps_deblocking_filter_disabled_flag	u(1)
if(!pps_deblocking_filter_disabled_flag) {	
pps_beta_offset_div2	se(v)
pps_tc_offset_div2	se(v)
}	
}	
constant_slice_header_params_enabled_flag	u(1)
if(constant_slice_header_params_enabled_flag) {	
pps_dep_quant_enabled_idc	u(2)
for(i = 0; i < 2; i++)	
pps_ref_pic_list_sps_idc[i]	u(2)
pps_mvd_l1_zero_idc	u(2)
pps_collocated_from_l0_idc	u(2)
pps_six_minus_max_num_merge_cand_plus1	ue(v)
pps_max_num_merge_cand_minus_max_num_triangle_cand_plus1	ue(v)
}	
picture_header_extension_present_flag	u(1)
slice_header_extension_present_flag	u(1)
pps_extension_flag	u(1)
if(pps_extension_flag)	
while(more_rbsp_data())	
pps_extension_data_flag	u(1)
rbsp_trailing_bits()	
}	

FIG. 10D

1101	alf_data() {	Descriptor
	alf_luma_filter_signal_flag	u(1)
	alf_chroma_filter_signal_flag	u(1)
	if(alf_luma_filter_signal_flag) {	
	alf_luma_clip_flag	u(1)
	alf_luma_num_filters_signalled_minus1	ue(v)
	if(alf_luma_num_filters_signalled_minus1 > 0) {	
	for(filtIdx = 0; filtIdx < NumAlfFilters; filtIdx++)	
	alf_luma_coeff_delta_idx[filtIdx]	u(v)
	}	
	for(sIdx = 0; sIdx <= alf_luma_num_filters_signalled_minus1; sIdx++) {	
	for(j = 0; j < 12; j++) {	
	alf_luma_coeff_abs[sIdx][j]	uek(v)
	if(alf_luma_coeff_abs[sIdx][j])	
	alf_luma_coeff_sign[sIdx][j]	u(1)
	}	
	}	
	if(alf_luma_clip_flag) {	
	for(sIdx = 0; sIdx <= alf_luma_num_filters_signalled_minus1; sIdx++)	
	{	
	for(j = 0; j < 12; j++)	
	alf_luma_clip_idx[sIdx][j]	u(2)
	}	
	}	
	}	

FIG. 11A

Continued from FIG. 11A

1102

if(alf_chroma_filter_signal_flag) {	
alf_chroma_num_alt_filters_minus1	ue(v)
for(altidx = 0; altidx <= alf_chroma_num_alt_filters_minus1; altidx++) {	
alf_chroma_clip_flag[altidx]	u(1)
for(j = 0; j < 6; j++) {	
alf_chroma_coeff_abs[altidx][j]	uek(v)
if(alf_chroma_coeff_abs[altidx][j] > 0)	
alf_chroma_coeff_sign[altidx][j]	u(1)
}	
if(alf_chroma_clip_flag[altidx]) {	
for(j = 0; j < 6; j++)	
alf_chroma_clip_idx[altidx][j]	u(2)
}	
}	
}	

FIG. 11B

1201	seq_parameter_set_rbsp() {	Descriptor
	...	
	sps_joint_eber_enabled_flag	u(1)
	if(ChromaArrayType != 0) {	u(1)
	sps_joint_cbr_enabled_flag	
	same_qp_table_for_chroma	u(1)
1202	numQpTables = same_qp_table_for_chroma ? 1 : (	
	sps_joint_cbr_enabled_flag ? 3 : 2)	
	for(i = 0; i < numQpTables; i++) {	
	qp_table_start_minus26[i]	se(v)
	num_points_in_qp_table_minus1[i]	ue(v)
	for(j = 0; j <= num_points_in_qp_table_minus1[i]; j++) {	
	delta_qp_in_val_minus1[i][j]	ue(v)
	delta_qp_diff_val[i][j]	ue(v)
	}	
	}	
	}	
	...	
	}	

FIG. 12

1301	seq_parameter_set_rbsp() {	Descriptor
	...	
	if(sps_bdpcm_enabled_flag && ChromaArrayType==3)	
	sps_bdpcm_chroma_enabled_flag	u(1)
	...	
	if(ChromaArrayType == 3) {	
	sps_palette_enabled_flag	u(1)
	sps_act_enabled_flag	u(1)
	}	
	...	
1302	}	

FIG. 13

pic_parameter_set_rbsp() {	Descriptor
...	
pps_chroma_present_flag	u(1)
if(pps_chroma_present_flag) {	
pps_cb_qp_offset	se(v)
pps_cr_qp_offset	se(v)
pps_joint_cbr_qp_offset_present_flag	u(1)
pps_slice_chroma_qp_offsets_present_flag	u(1)
pps_cu_chroma_qp_offset_list_enabled_flag	u(1)
}	
...	
}	

FIG. 14

1501

adaptation_parameter_set_rbsp() {	Descriptor
adaptation_parameter_set_id	u(5)
aps_params_type	u(3)
aps_chroma_present_flag	u(1)
if(aps_params_type == ALF_APS)	
alf_data()	
else if(aps_params_type == LMCS_APS)	
lmcs_data()	
else if(aps_params_type == SCALING_APS)	
scaling_list_data()	
aps_extension_flag	u(1)
if(aps_extension_flag)	
while(more_rbsp_data())	
aps_extension_data_flag	u(1)
rbsp_trailing_bits()	
}	

FIG. 15

1601	alf_data() {	Descriptor
	alf_luma_filter_signal_flag	u(1)
	if(aps_chroma_present_flag)	
	alf_chroma_filter_signal_flag	u(1)
	...	
	if(alf_chroma_filter_signal_flag) {	
	alf_chroma_num_alt_filters_minus1	ue(v)
	for(altIdx = 0; altIdx <= alf_chroma_num_alt_filters_minus1; altIdx++) {	
	alf_chroma_clip_flag[altIdx]	u(1)
	for(j = 0; j < 6; j++) {	
	alf_chroma_coeff_abs[altIdx][j]	uek(v)
	if(alf_chroma_coeff_abs[altIdx][j] > 0)	
	alf_chroma_coeff_sign[altIdx][j]	u(1)
	}	
	if(alf_chroma_clip_flag[altIdx]) {	
	for(j = 0; j < 6; j++)	
	alf_chroma_clip_idx[altIdx][j]	u(2)
	}	
	}	
	}	
	}	

FIG. 16

1602

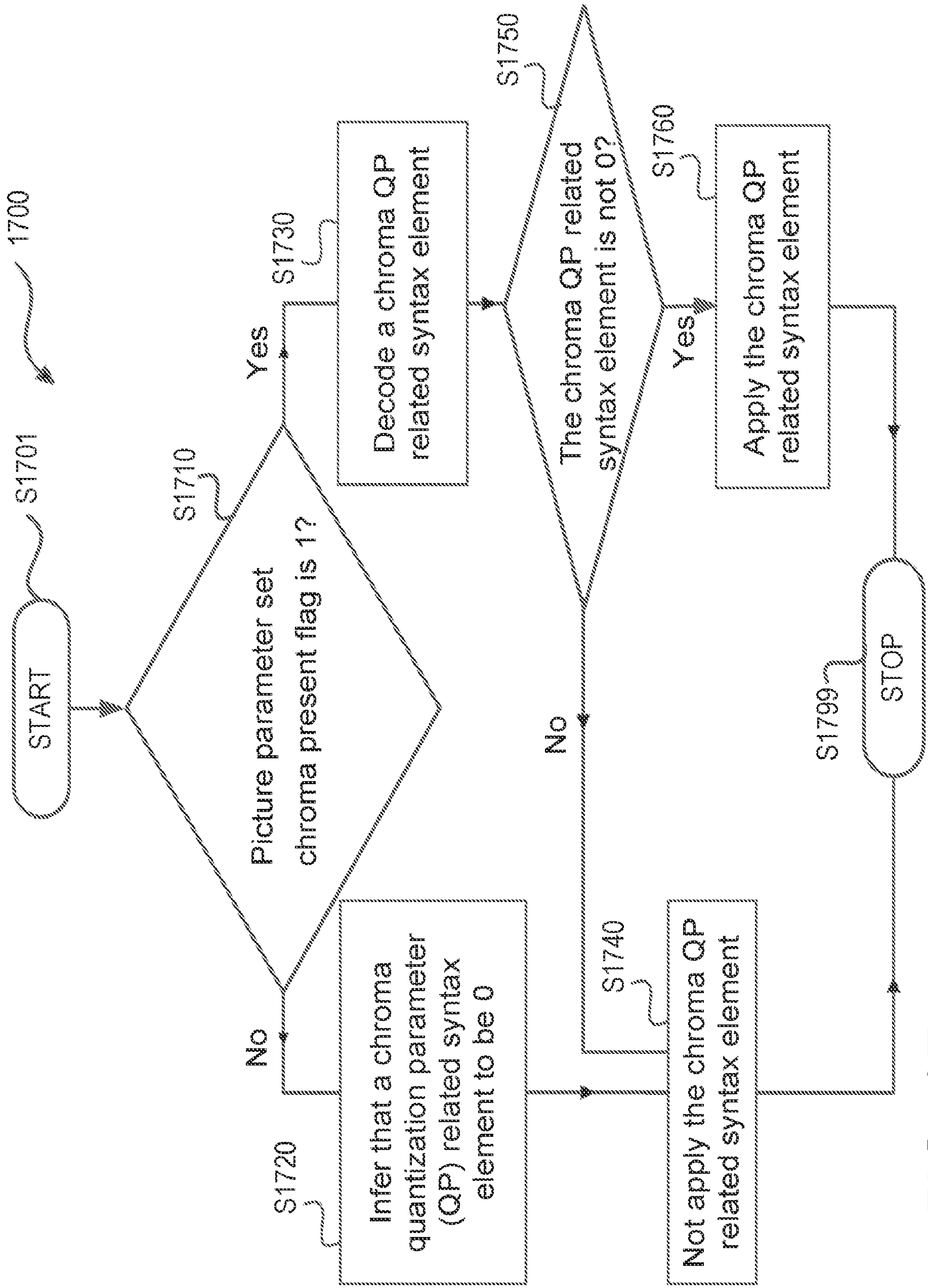


FIG. 17

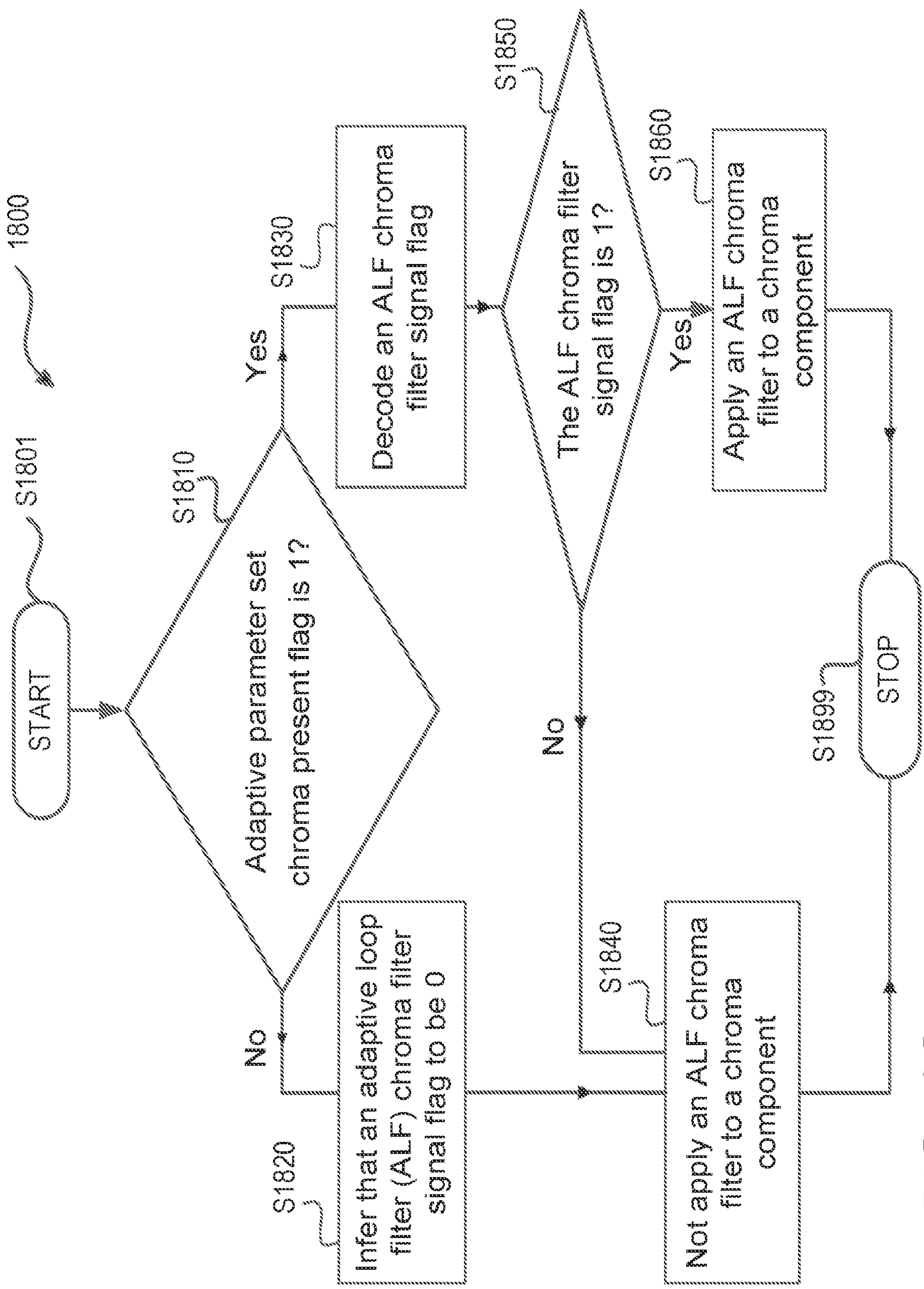


FIG. 18

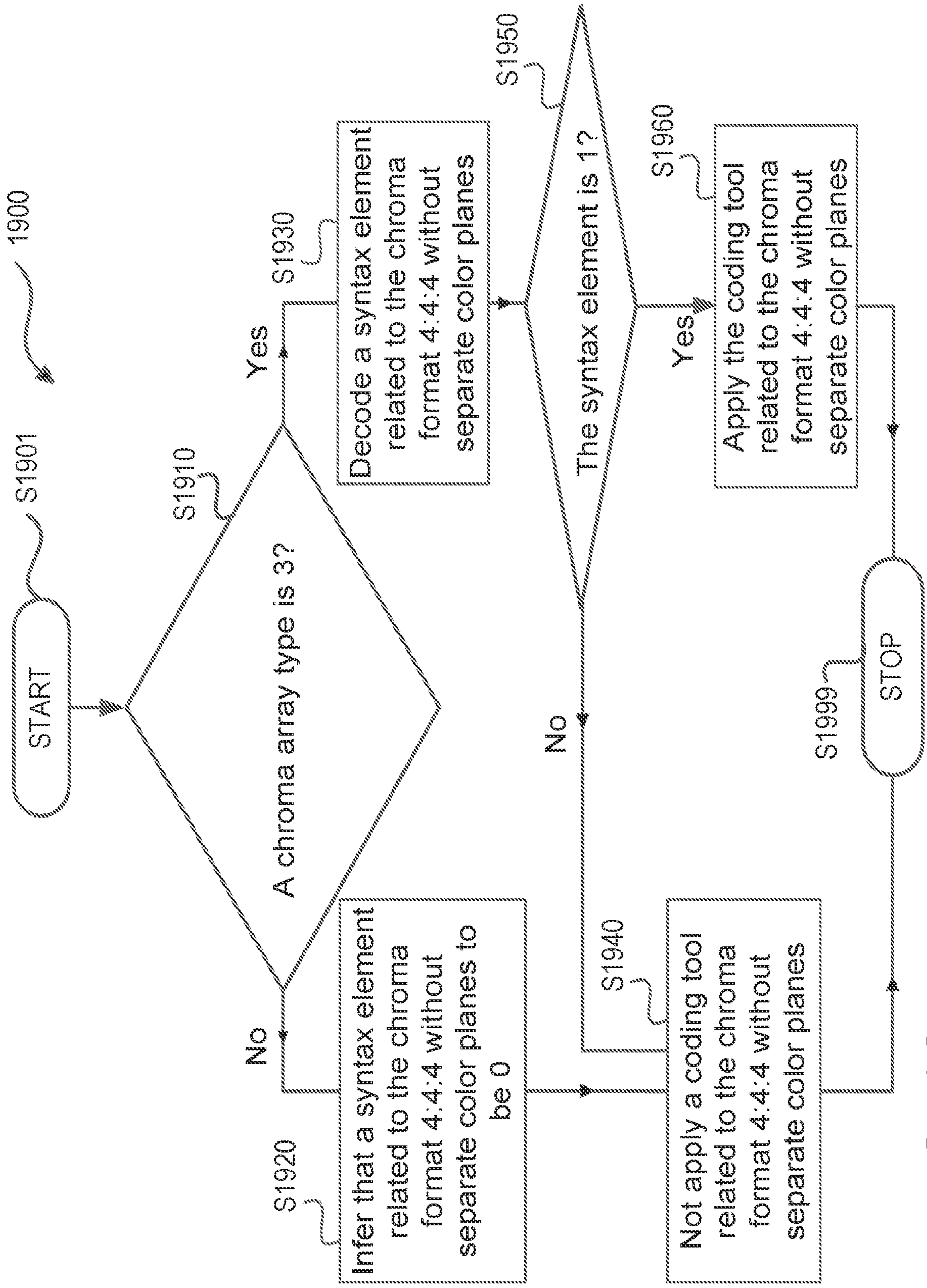


FIG. 19

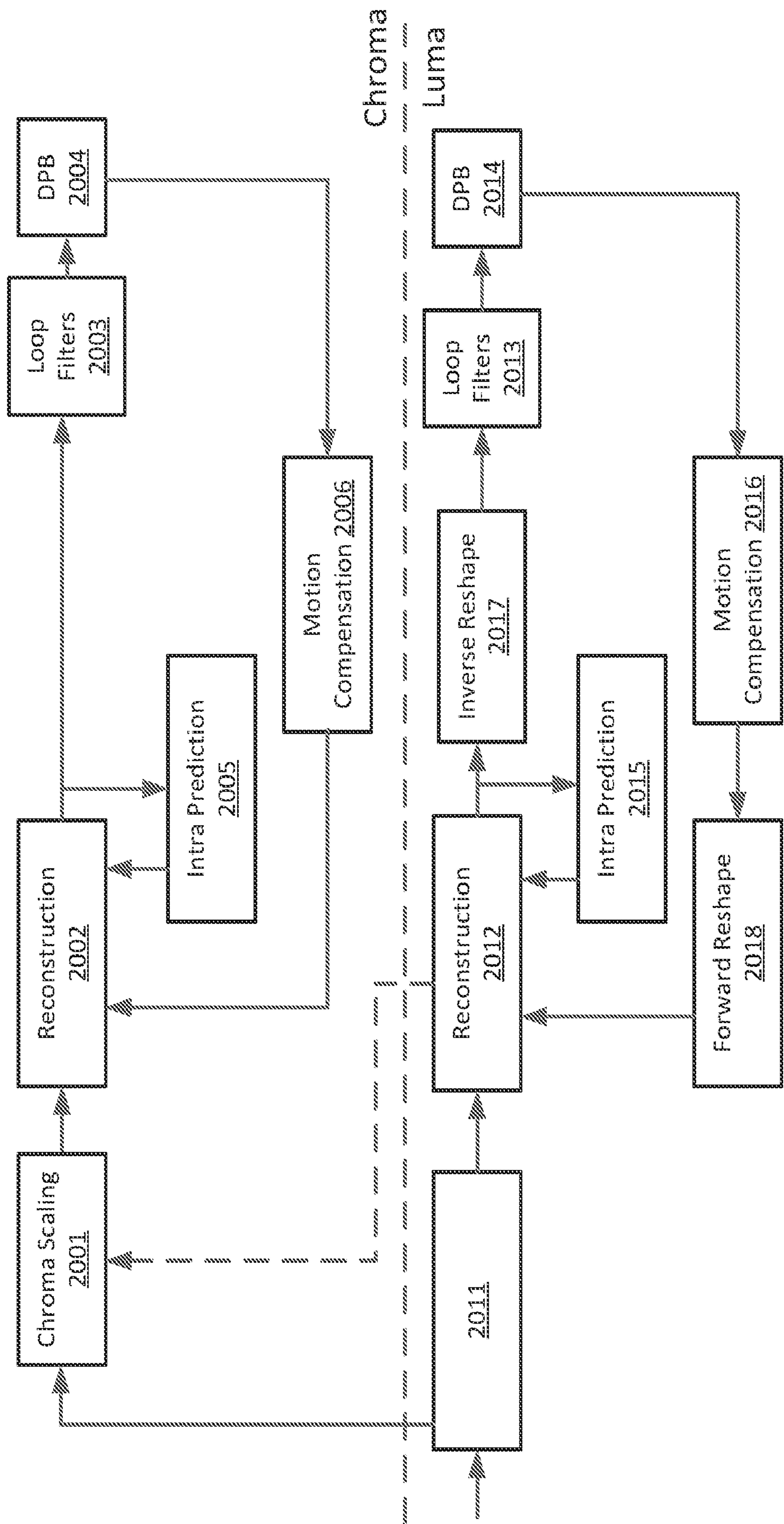


FIG. 20

	Descriptor
lms_data() {	
lms_min_bin_idx	ue(v)
lms_delta_max_bin_idx	ue(v)
lms_delta_cw_prec_minus1	ue(v)
for(i = lms_min_bin_idx; i <= LmsMaxBinIdx; i++) {	
lms_delta_abs_cw[i]	u(v)
if(lms_delta_abs_cw[i] > 0)	
lms_delta_sign_cw_flag[i]	u(1)
}	
if(aps_chroma_present_flag) {	
lms_delta_abs_crs	u(3)
if(lms_delta_abs_crs > 0)	
lms_delta_sign_crs_flag	u(1)
}	
}	

2101

FIG. 21

2201

alf_data() {	Descriptor
alf_luma_filter_signal_flag	u(1)
if(aps_chroma_present_flag) {	
alf_chroma_filter_signal_flag	u(1)
alf_cross_component_cb_filter_signal_flag	u(1)
alf_cross_component_cr_filter_signal_flag	u(1)
}	
if(alf_luma_filter_signal_flag) {	
alf_luma_clip_flag	u(1)
alf_luma_num_filters_signalled_minus1	ue(v)
if(alf_luma_num_filters_signalled_minus1 > 0) {	
for(filtIdx = 0; filtIdx < NumAlfFilters; filtIdx++)	
alf_luma_coeff_delta_idx[filtIdx]	u(v)
}	
for(sIdx = 0; sIdx <= alf_luma_num_filters_signalled_minus1; sIdx++) {	
for(j = 0; j < 12; j++) {	
alf_luma_coeff_abs[sIdx][j]	uek(v)
if(alf_luma_coeff_abs[sIdx][j])	
alf_luma_coeff_sign[sIdx][j]	u(1)
}	
}	
if(alf_luma_clip_flag) {	
for(sIdx = 0; sIdx <= alf_luma_num_filters_signalled_minus1; sIdx++) {	
for(j = 0; j < 12; j++)	
alf_luma_clip_idx[sIdx][j]	u(2)
}	
}	
}	
if(alf_chroma_filter_signal_flag) {	
alf_chroma_num_alt_filters_minus1	ue(v)
for(altIdx = 0; altIdx <= alf_chroma_num_alt_filters_minus1; altIdx++) {	
alf_chroma_clip_flag[altIdx]	u(1)
for(j = 0; j < 6; j++) {	
alf_chroma_coeff_abs[altIdx][j]	uek(v)
if(alf_chroma_coeff_abs[altIdx][j] > 0)	
alf_chroma_coeff_sign[altIdx][j]	u(1)
}	
if(alf_chroma_clip_flag[altIdx]) {	
for(j = 0; j < 6; j++)	
alf_chroma_clip_idx[altIdx][j]	u(2)
}	
}	
}	
}	

FIG. 22A

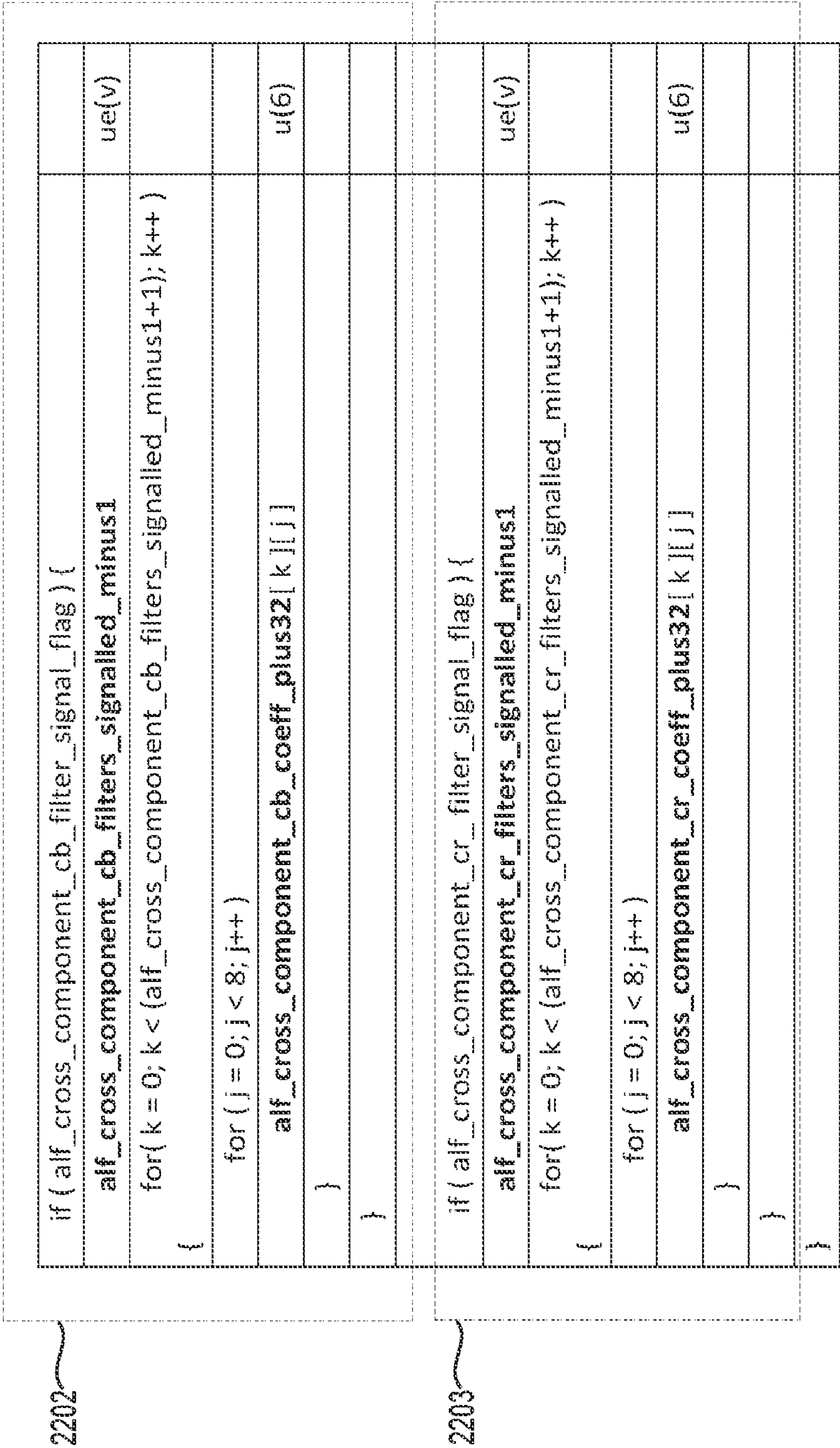
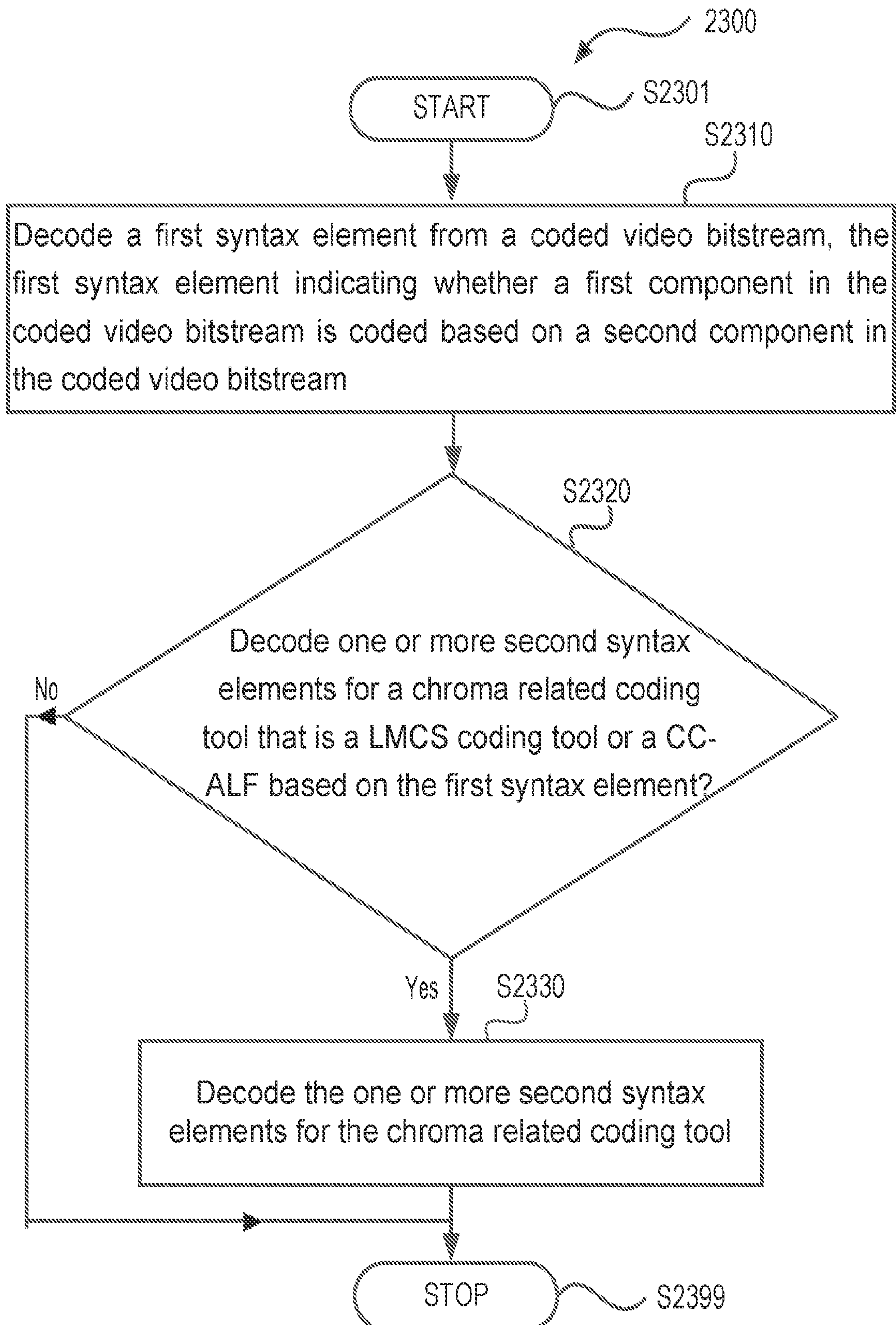


FIG. 22B

**FIG. 23**

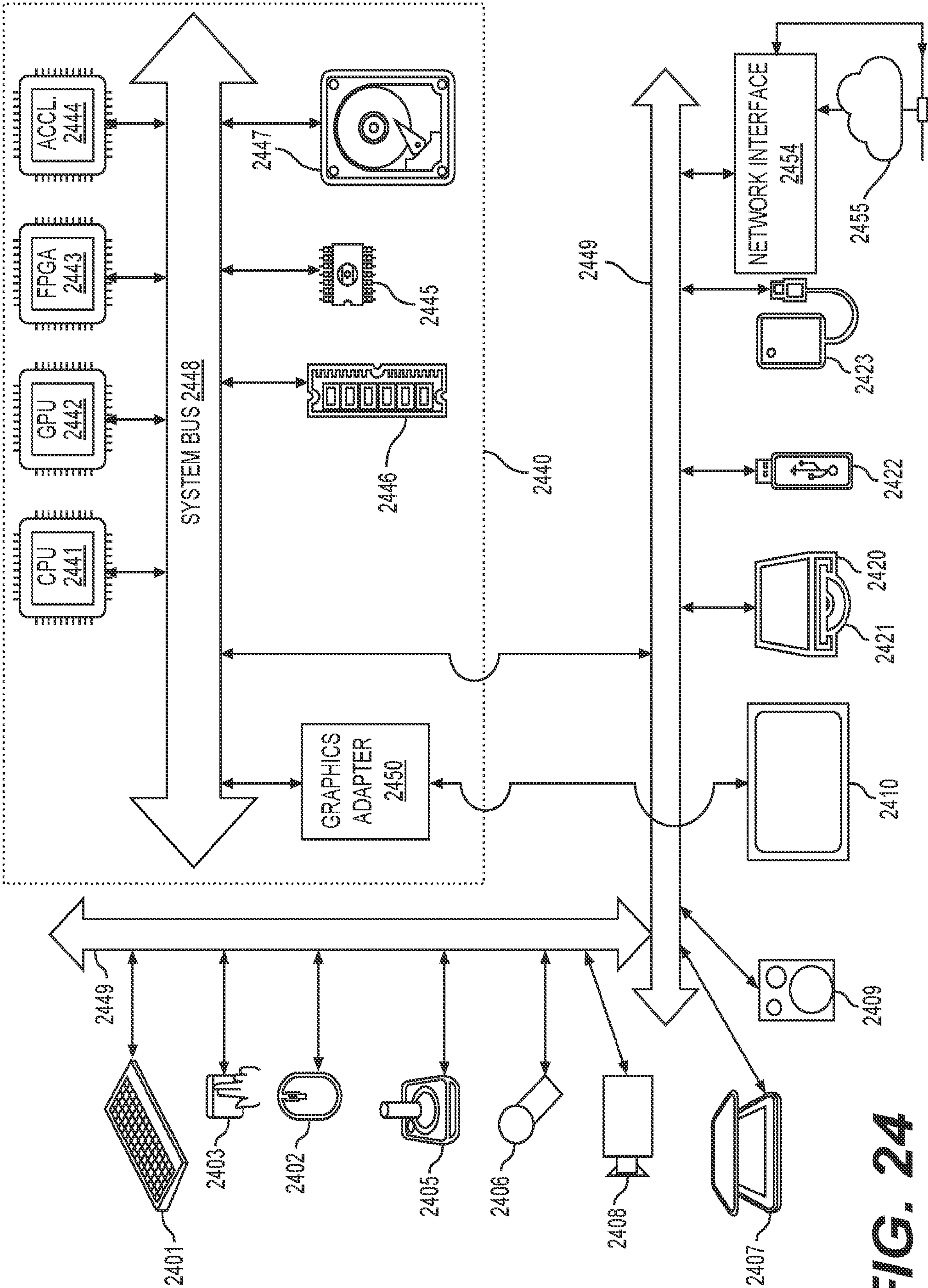


FIG. 24