

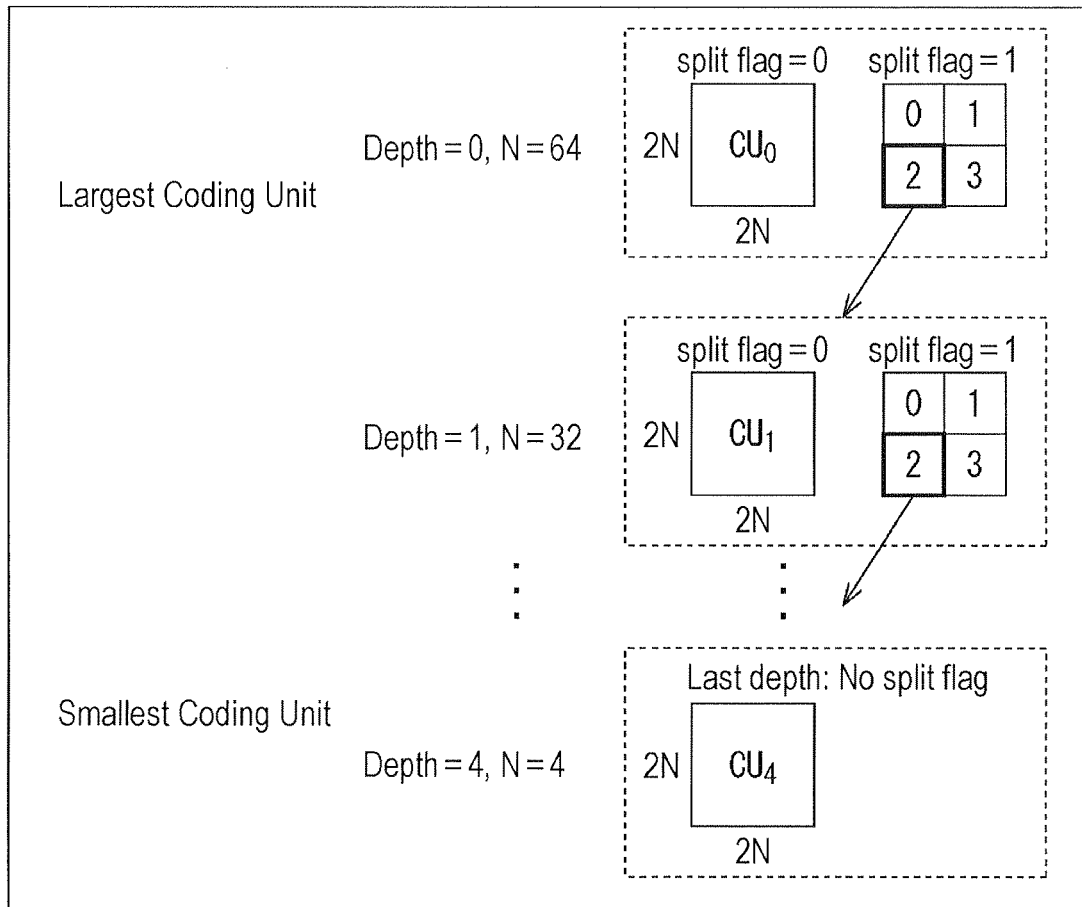
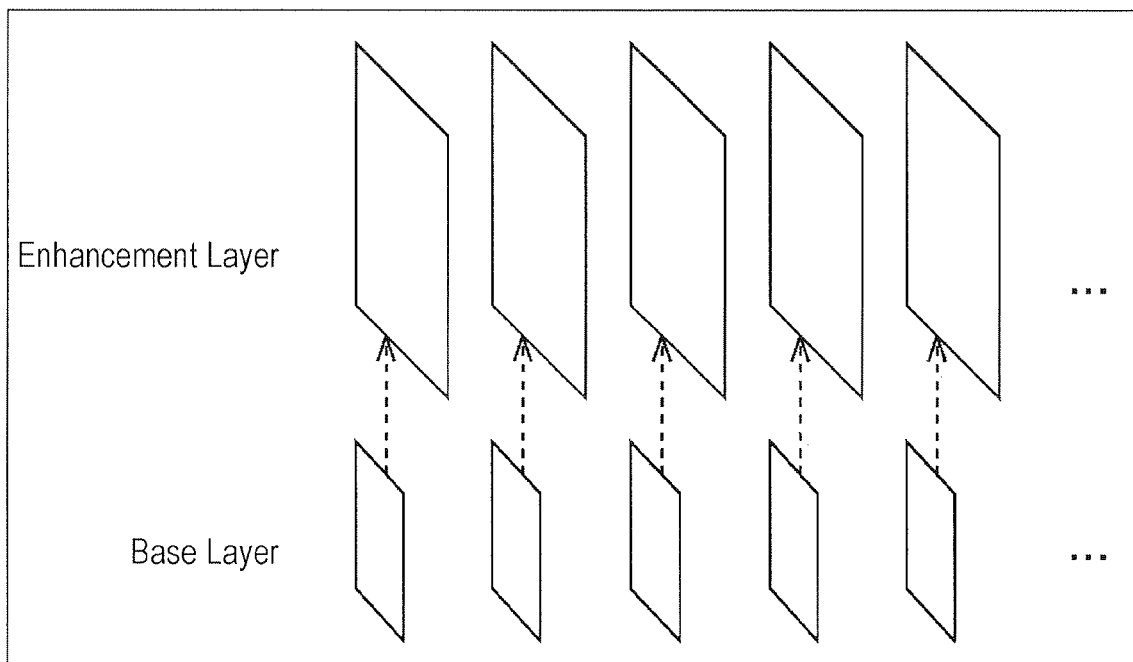
FIG. 1**FIG. 2**

FIG. 3

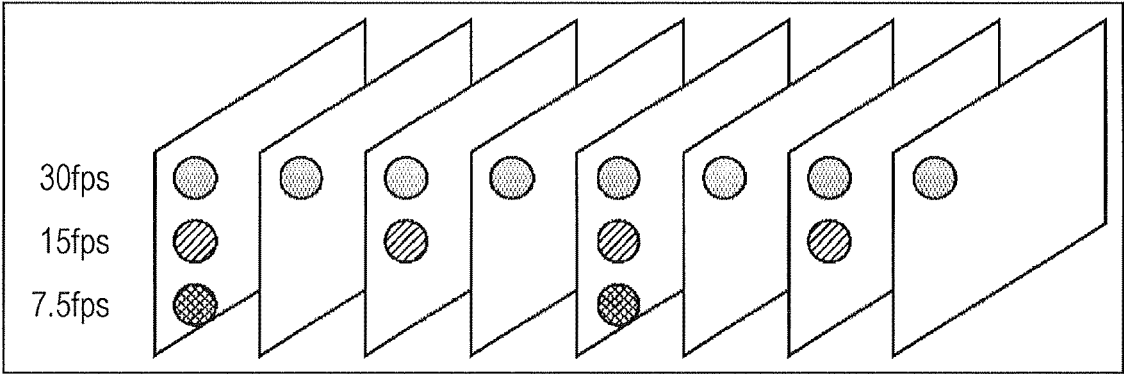
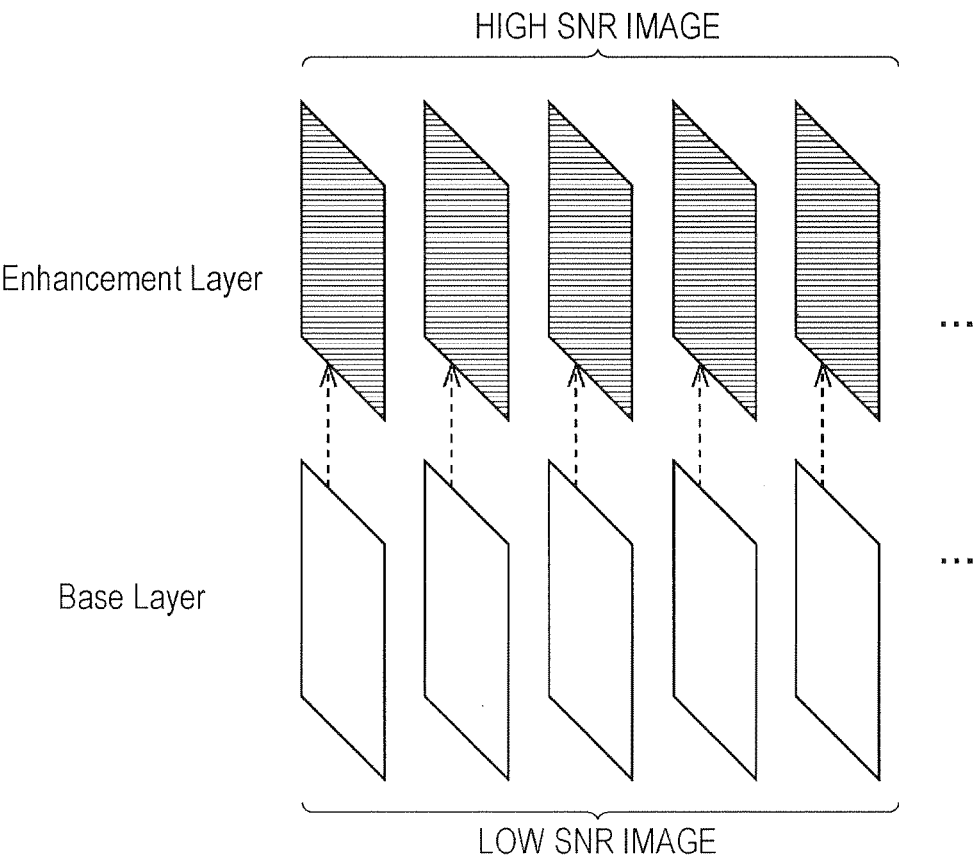


FIG. 4



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FIG. 5

video_parameter_set_rbsp() {	Descriptor
video_parameter_set_id	u (4)
vps_temporal_id_nesting_flag	u (1)
vps_reserved_zero_2bits	u (2)
vps_reserved_zero_6bits	u (6)
vps_max_sub_layers_minus1	u (3)
profile_and_level(1, vps_max_sub_layers_minus1)	
vps_reserved_zero_12bits	u (12)
for(i = 0; i <= vps_max_sub_layers_minus1; i++) {	
vps_max_dec_pic_buffering[i]	ue (v)
vps_max_num_reorder_pics[i]	ue (v)
vps_max_latency_increase[i]	ue (v)
}	
vps_num_hrd_parameters	ue (v)
for(i = 0; i < vps_num_hrd_parameters; i++) {	
if(i > 0)	
op_point(i)	
hrd_parameters(i == 0, vps_max_sub_layers_minus1)	
}	
vps_extension_flag	u (1)
if(vps_extension_flag)	
while(more_rbsp_data())	
vps_extension_data_flag	u (1)
}	
rbsp_trailing_bits()	
}	

FIG. 6

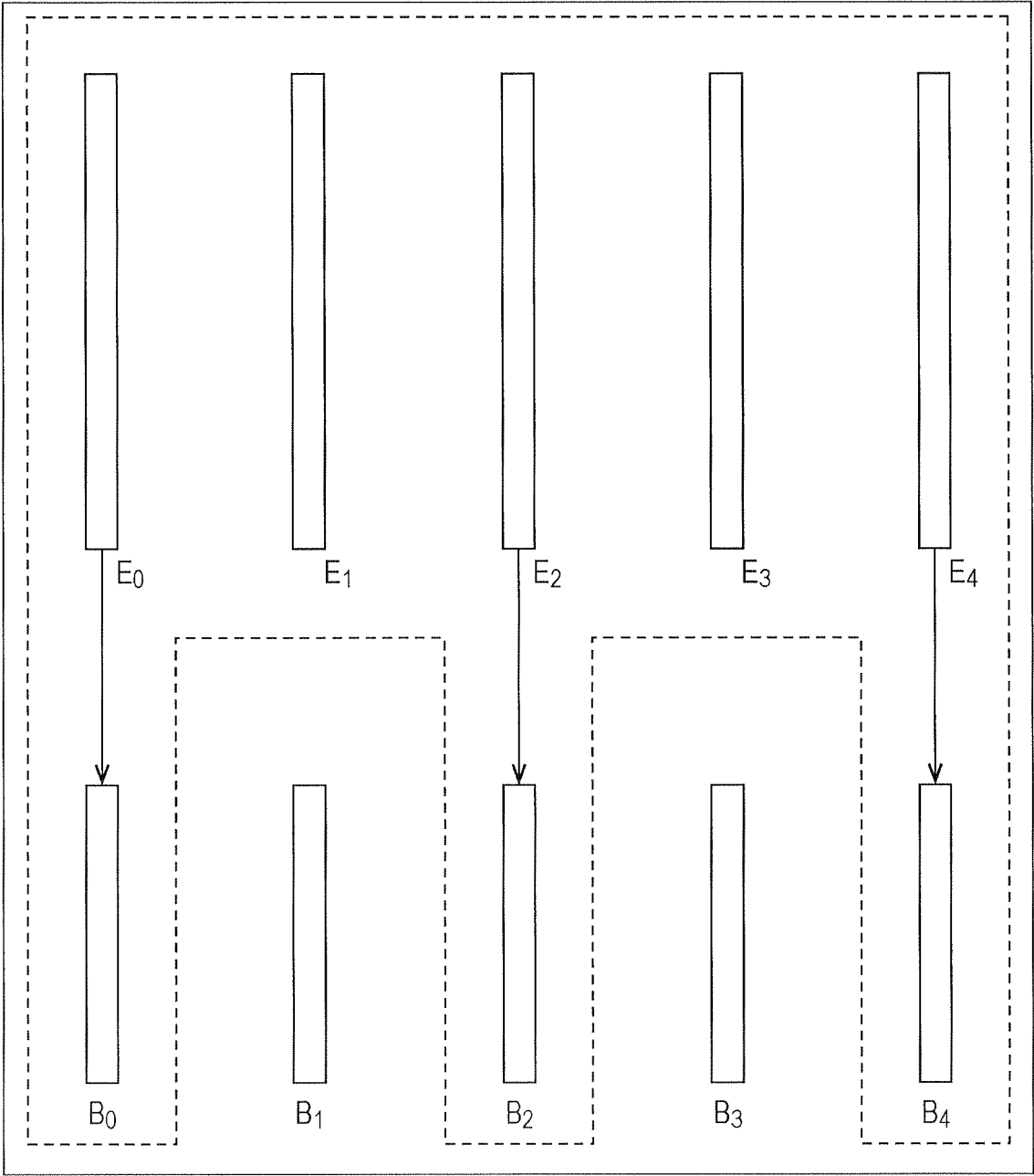
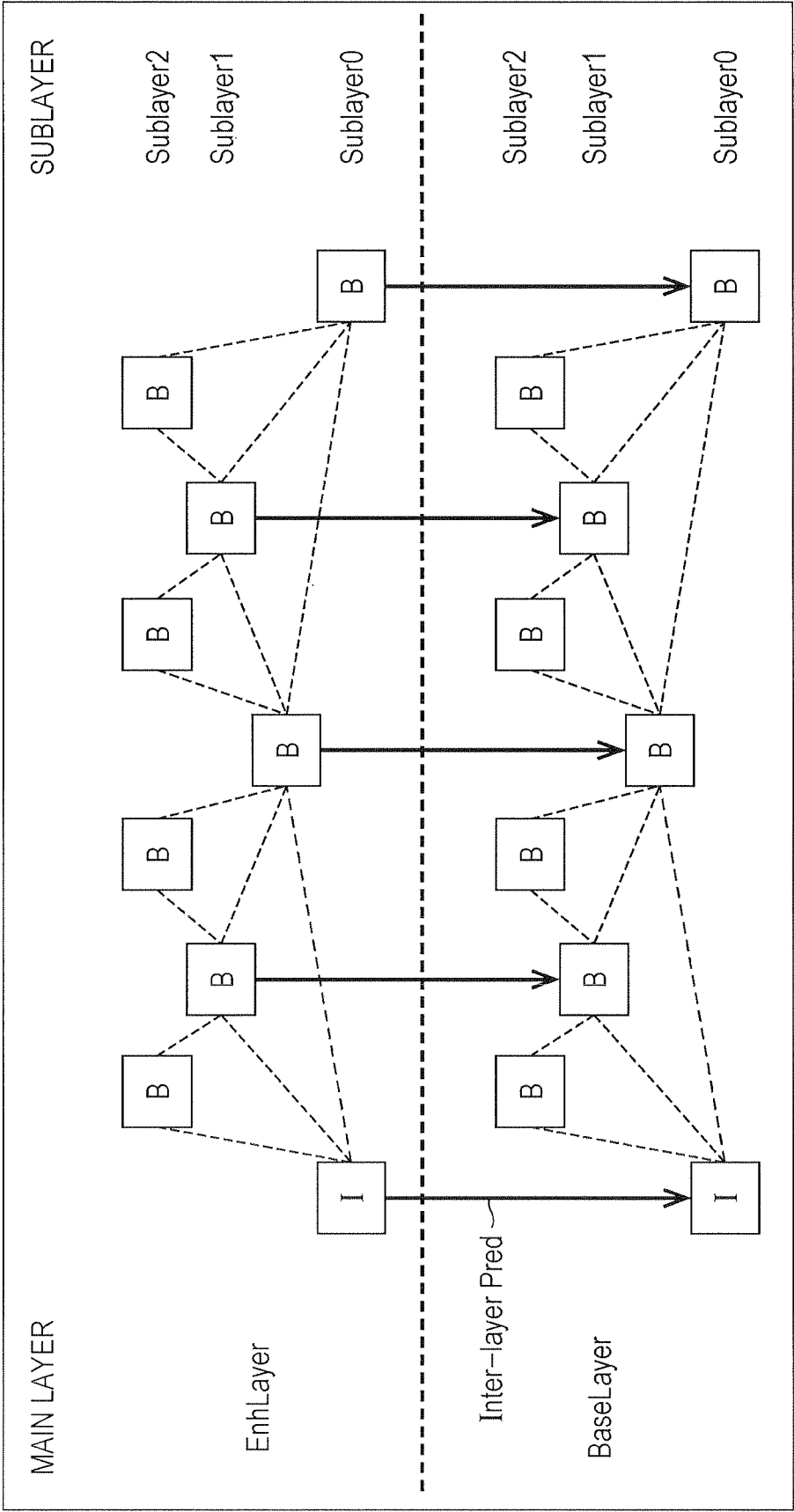


FIG. 7



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FIG. 8

video_parameter_set_rbsp() {	Descriptor
video_parameter_set_id	u (4)
vps_temporal_id_nesting_flag	u (1)
vps_reserved_zero_2bits	u (2)
vps_reserved_zero_6bits	u (6)
max_layer_minus1	u (3)
vps_max_sub_layers_minus1	u (3)
for (i = 1; i <= max_layer_minus1; i++)	
max_sub_layer_for_inter_layer_prediction[i]	u (3)
profile_and_level (1, vps_max_sub_layers_minus1)	
vps_reserved_zero_12bits	u (12)
for (i = 0; i <= vps_max_sub_layers_minus1; i++) {	
vps_max_dec_pic_buffering[i]	ue (v)
vps_max_num_reorder_pics[i]	ue (v)
vps_max_latency_increase[i]	ue (v)
}	
vps_num_hrd_parameters	ue (v)
for (i = 0; i < vps_num_hrd_parameters; i++) {	
if (i > 0)	
op_point(i)	
hrd_parameters(i == 0, vps_max_sub_layers_minus1)	
}	
vps_extension_flag	u (1)
if (vps_extension_flag)	
while (more_rbsp_data())	
vps_extension_data_flag	u (1)
}	
rbsp_trailing_bits()	
}	

FIG. 9

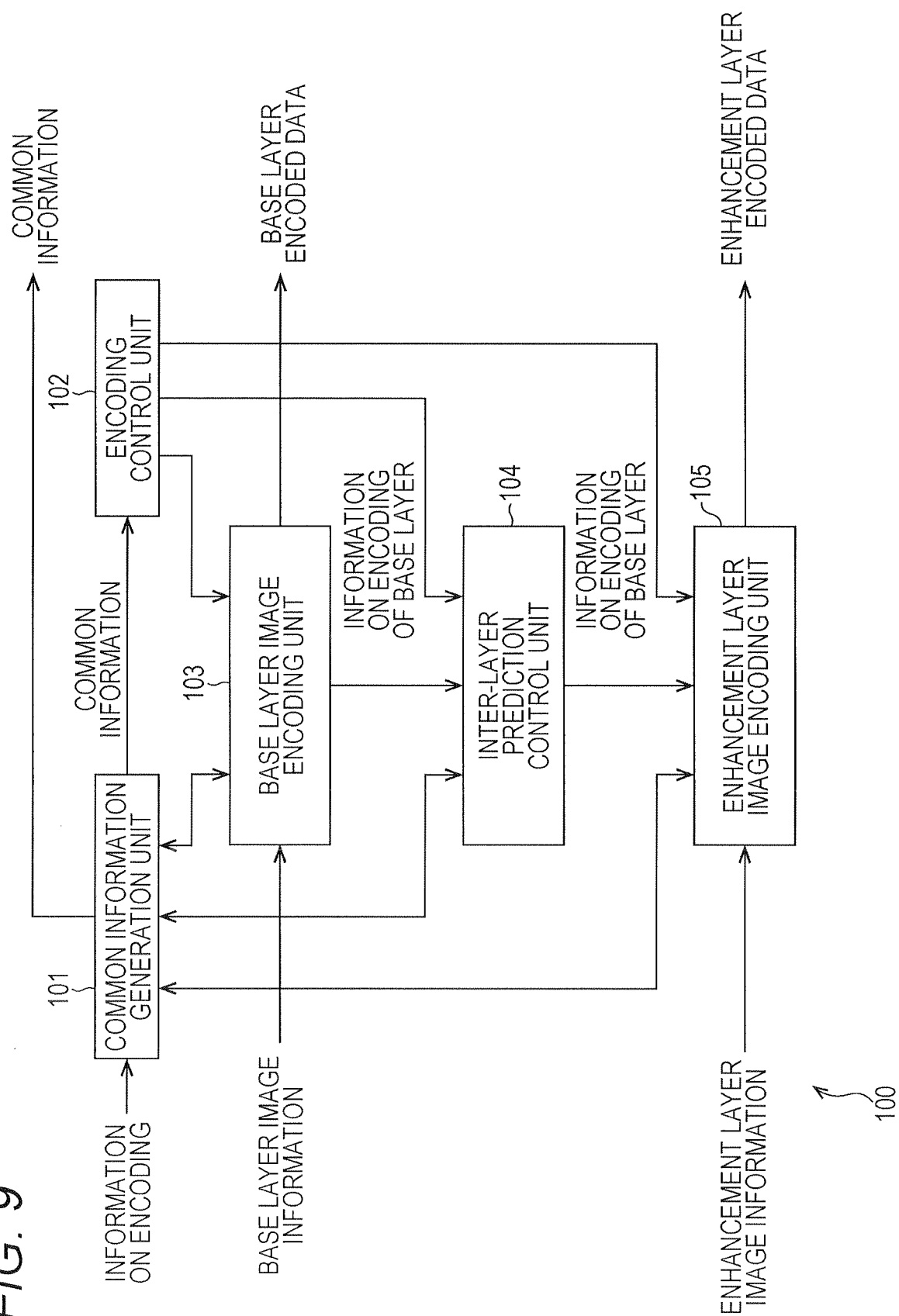


FIG. 10

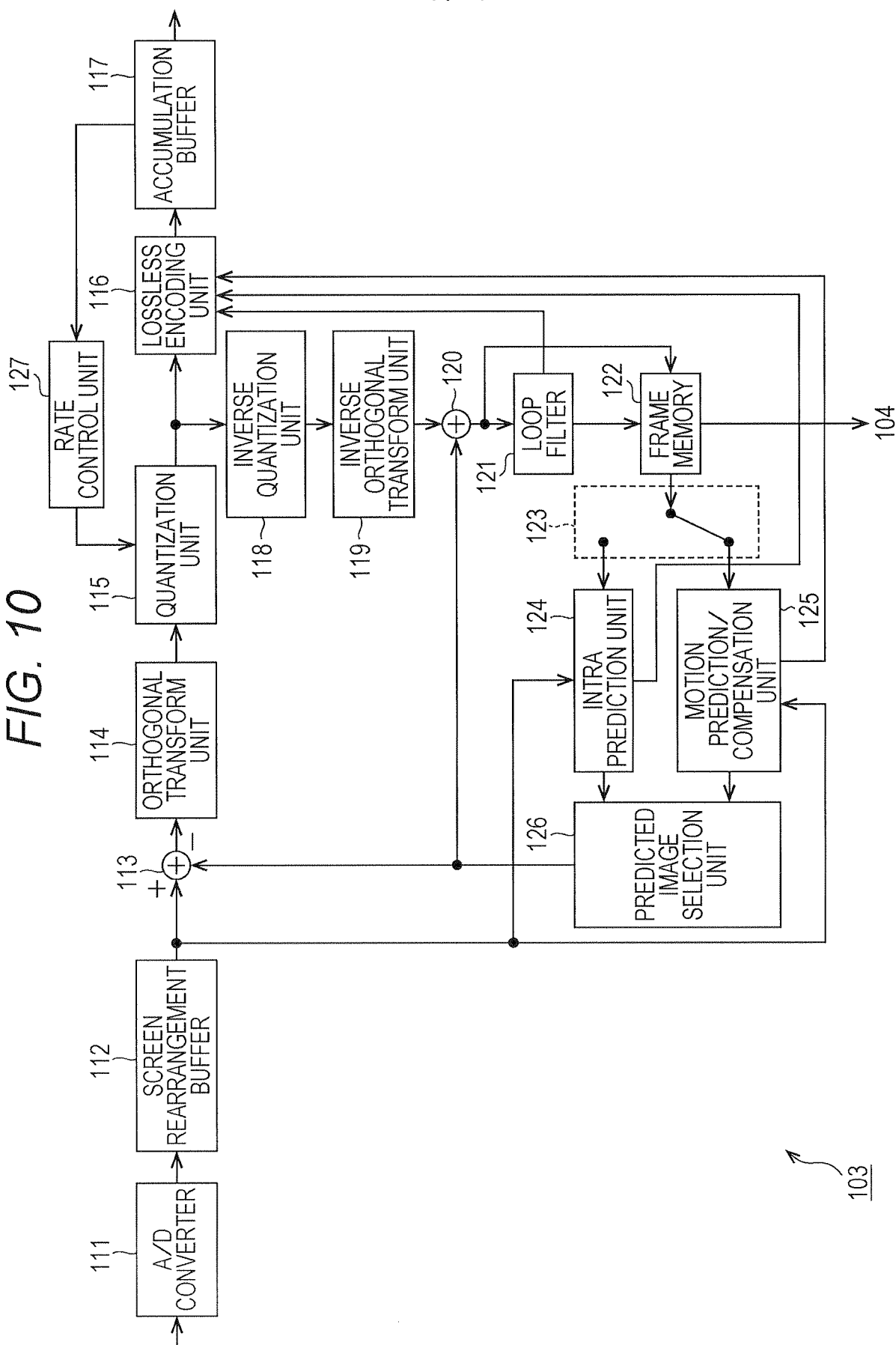


FIG. 11

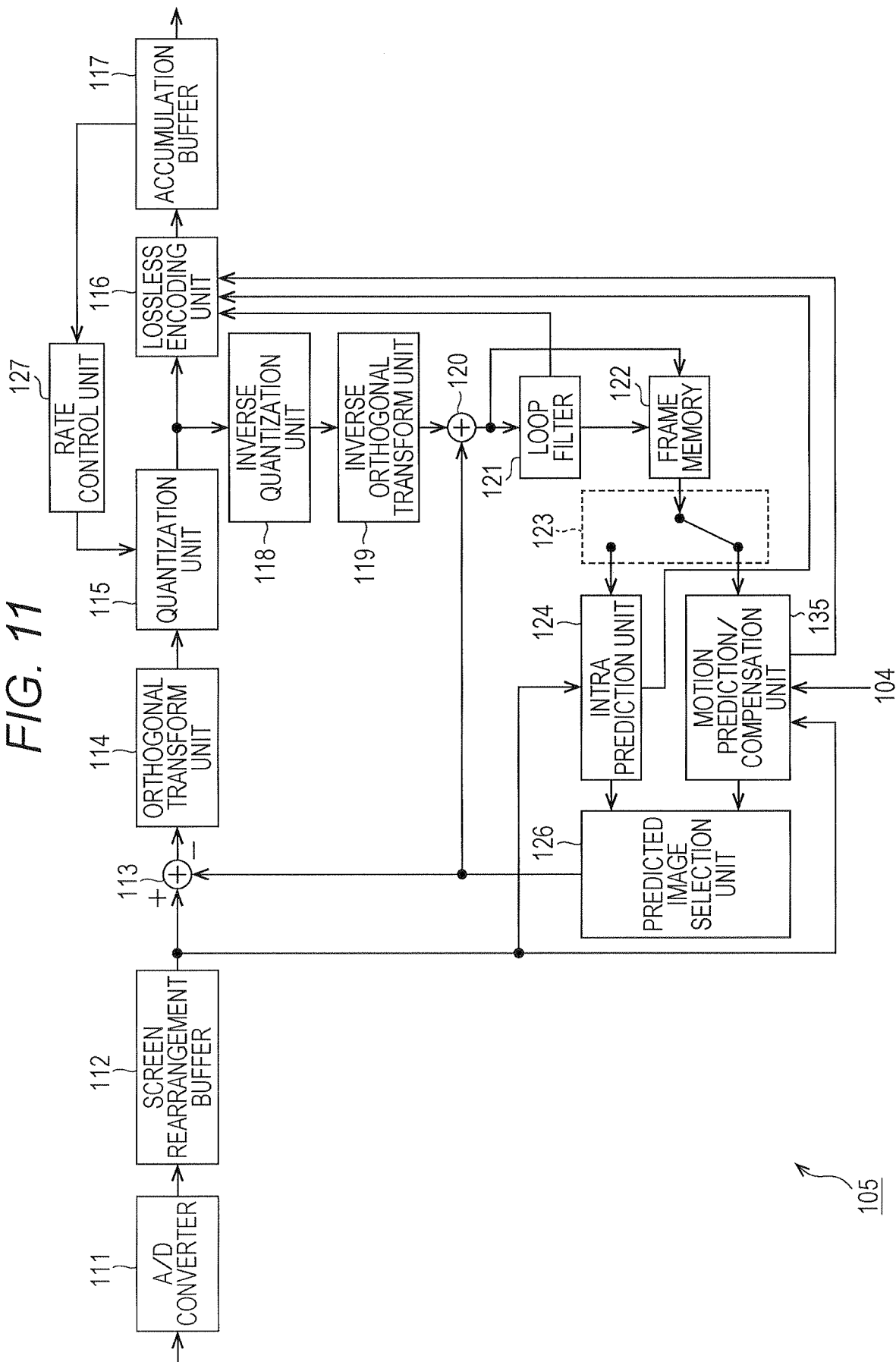
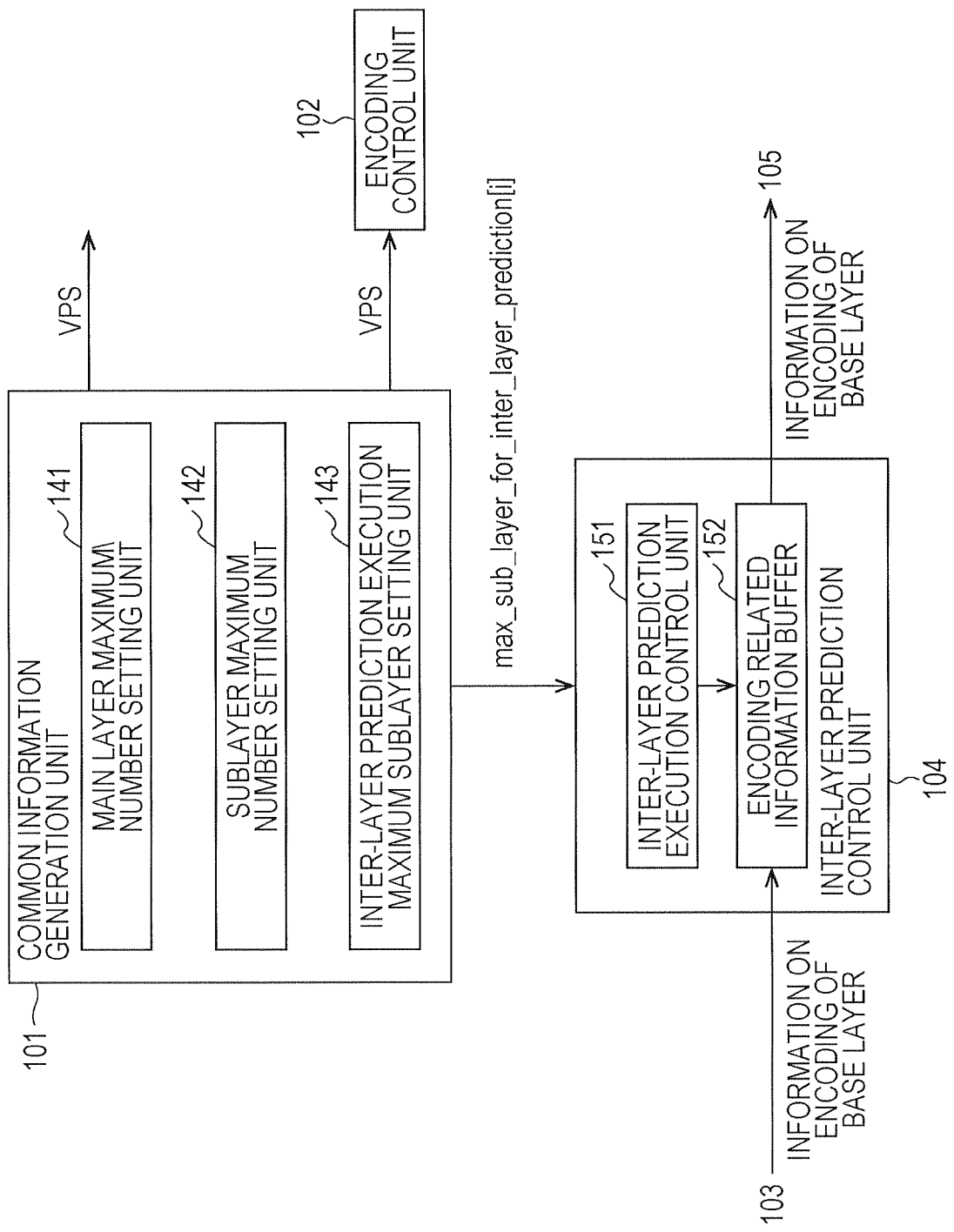
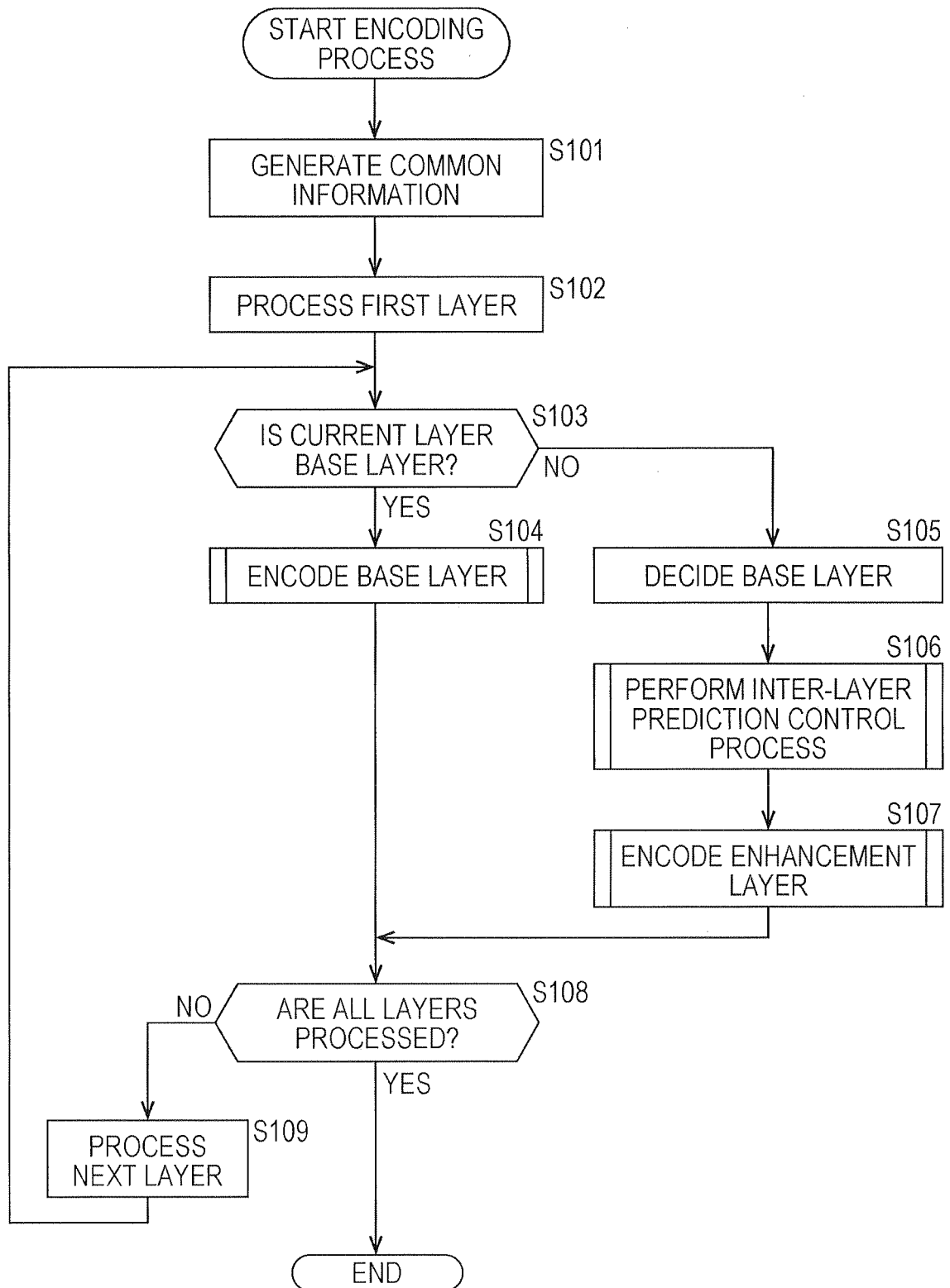


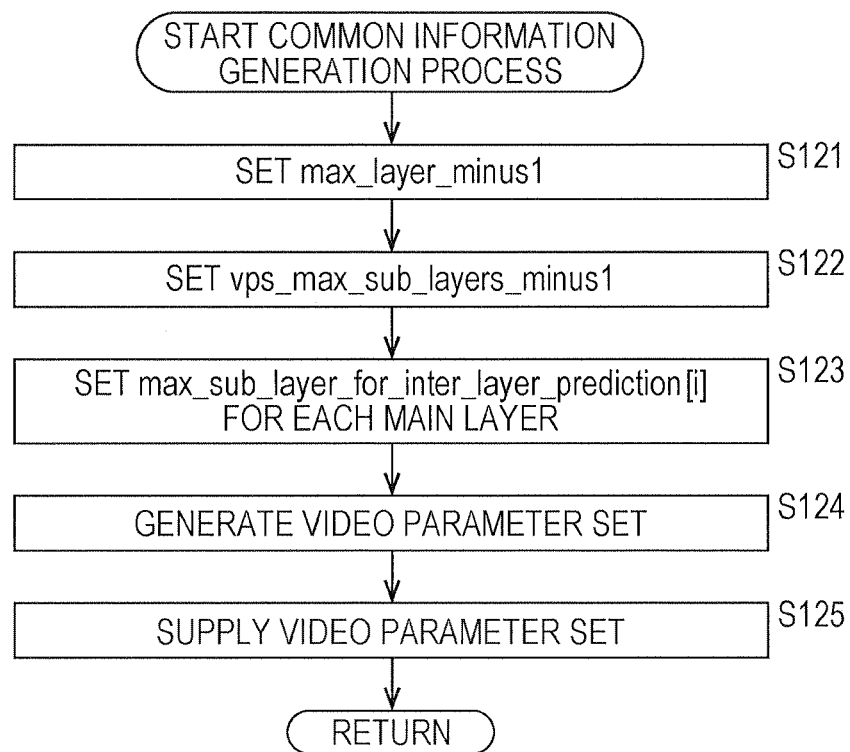
FIG. 12



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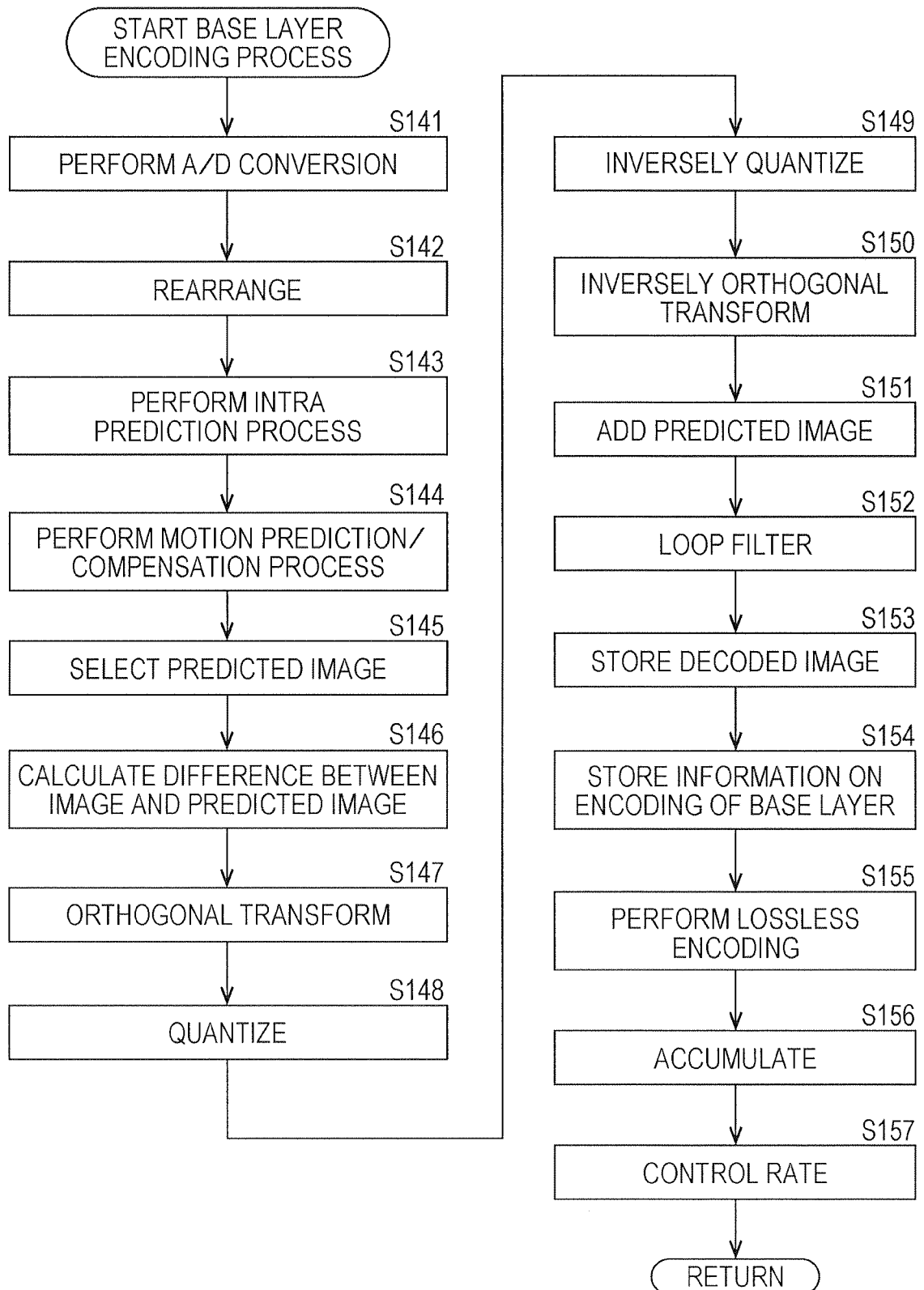
FIG. 13

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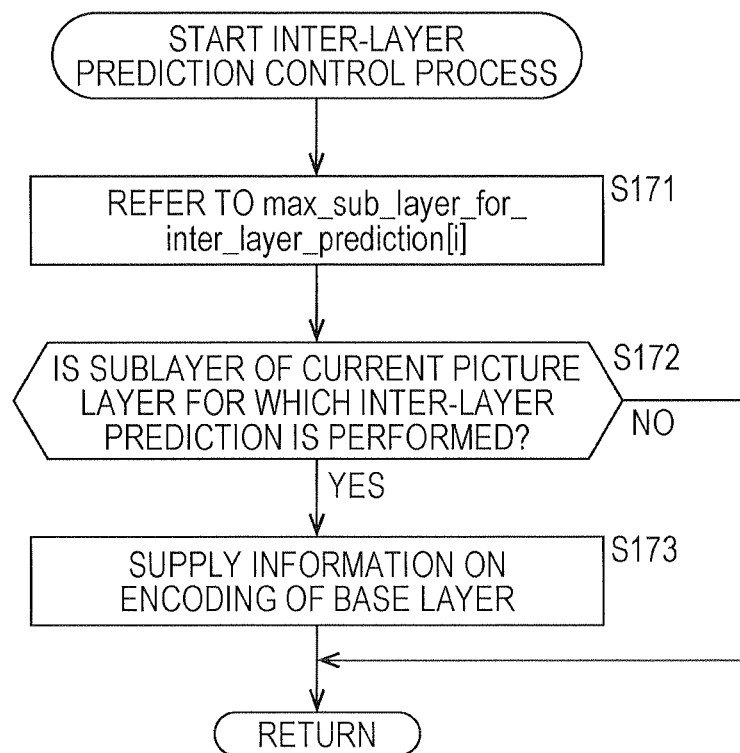
FIG. 14

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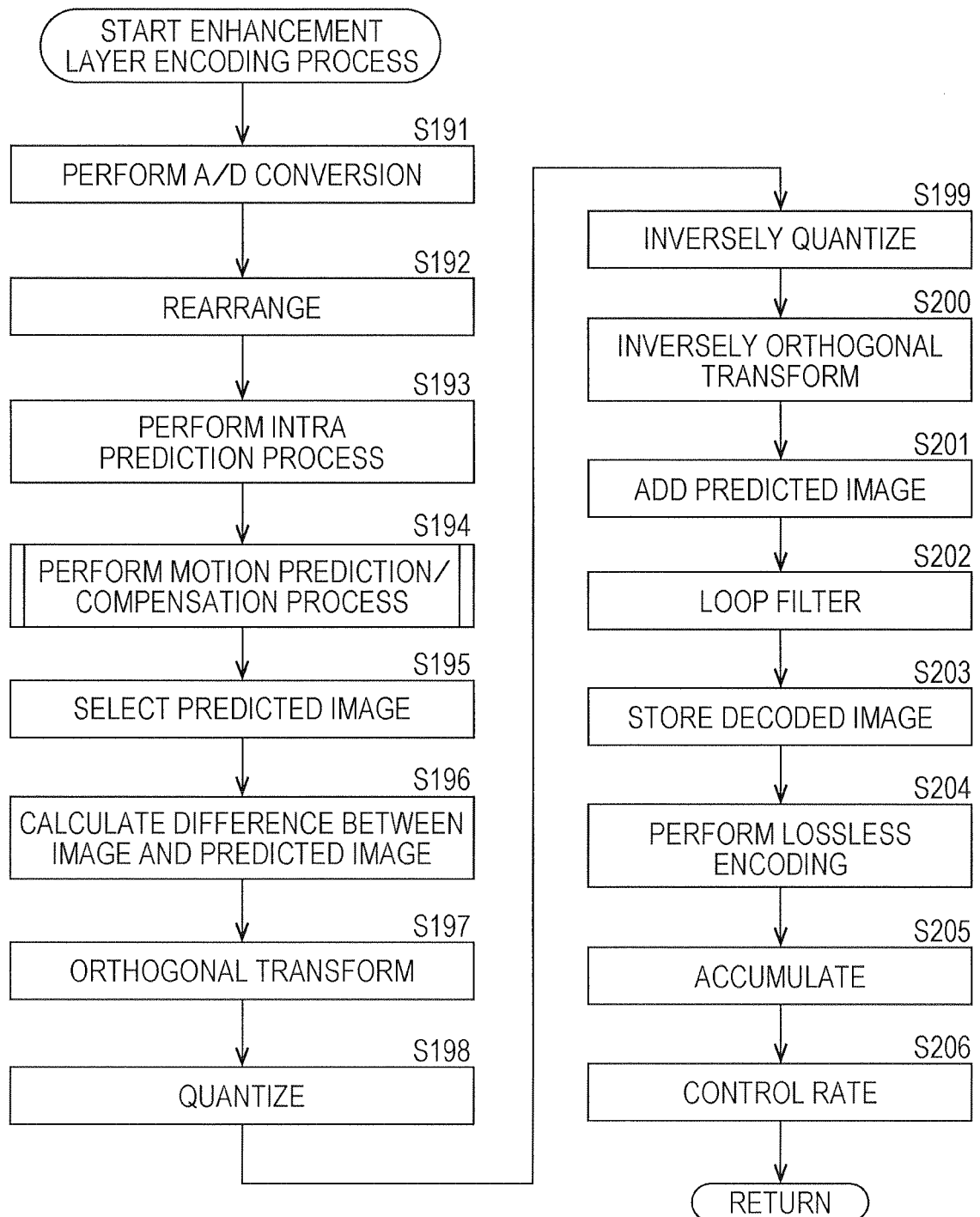
FIG. 15



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FIG. 16

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FIG. 17

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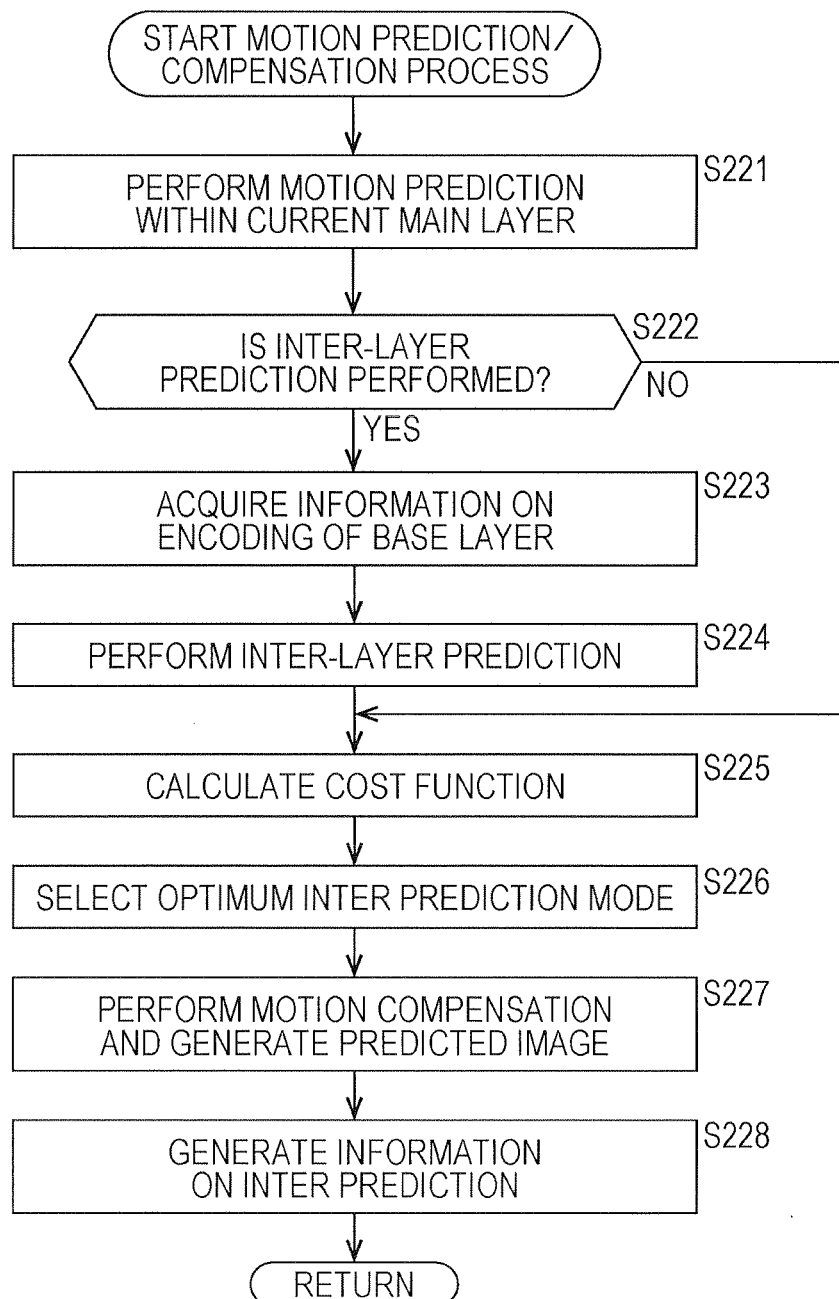
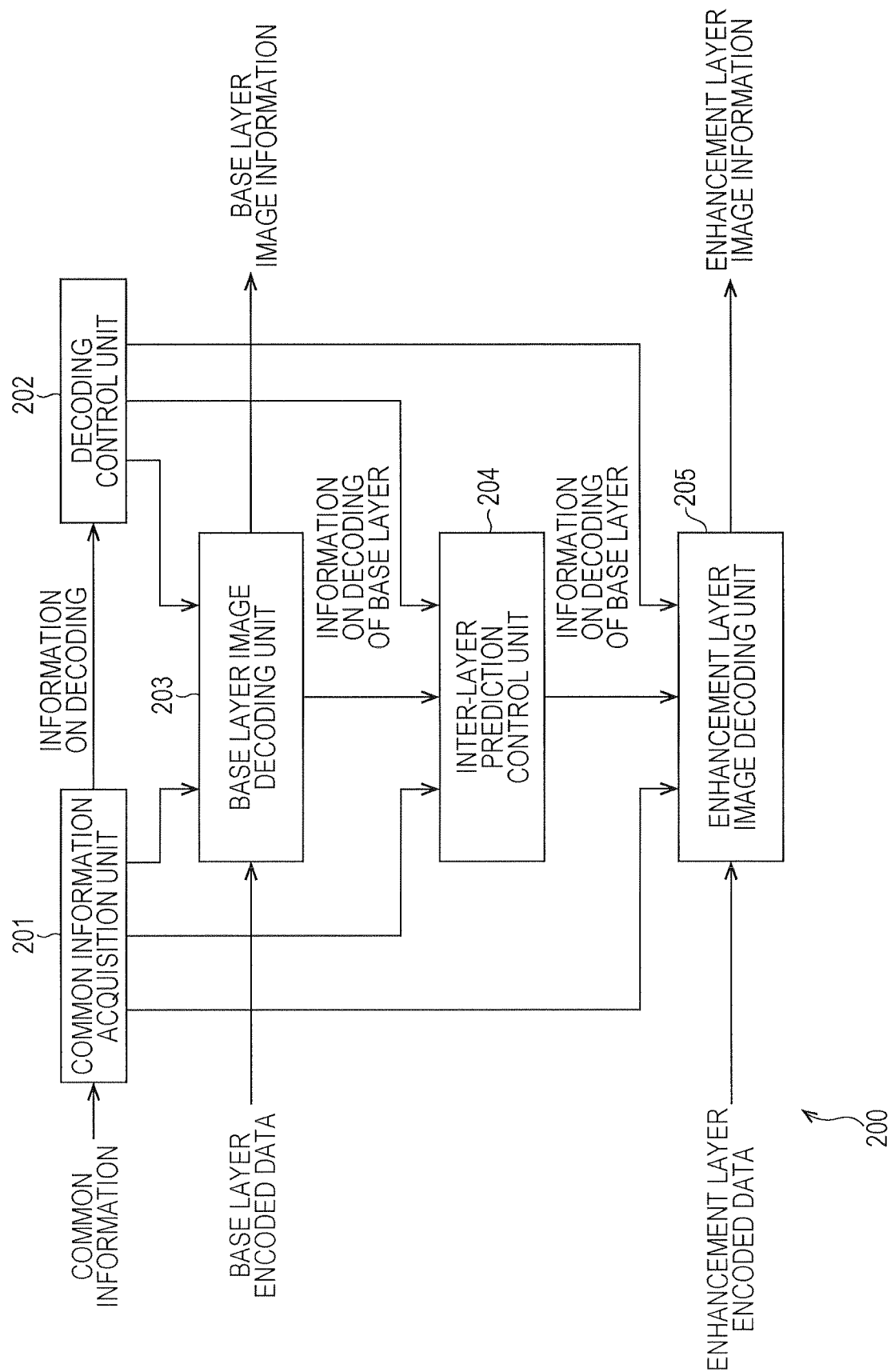
FIG. 18

FIG. 19



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FIG. 20

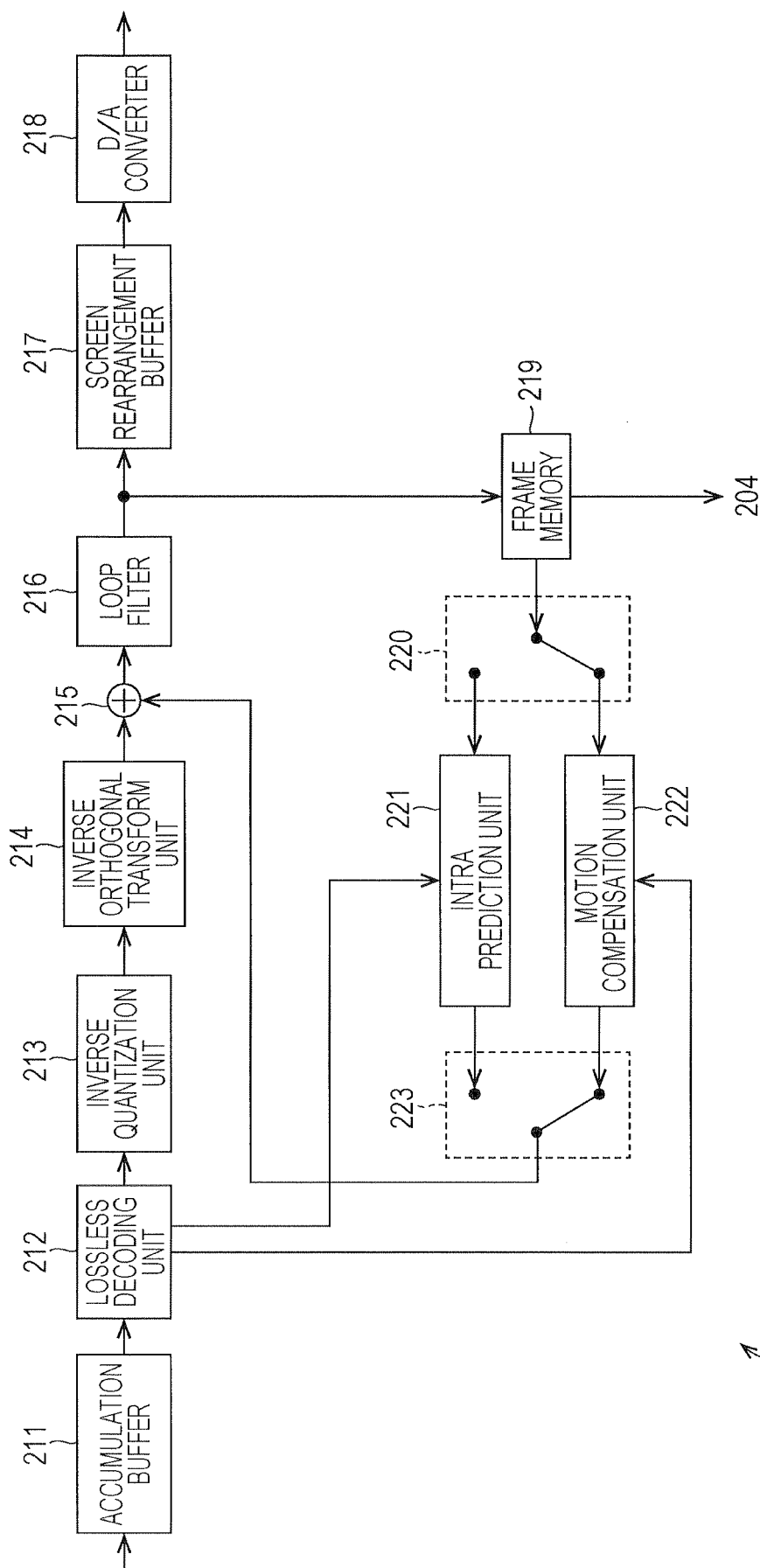
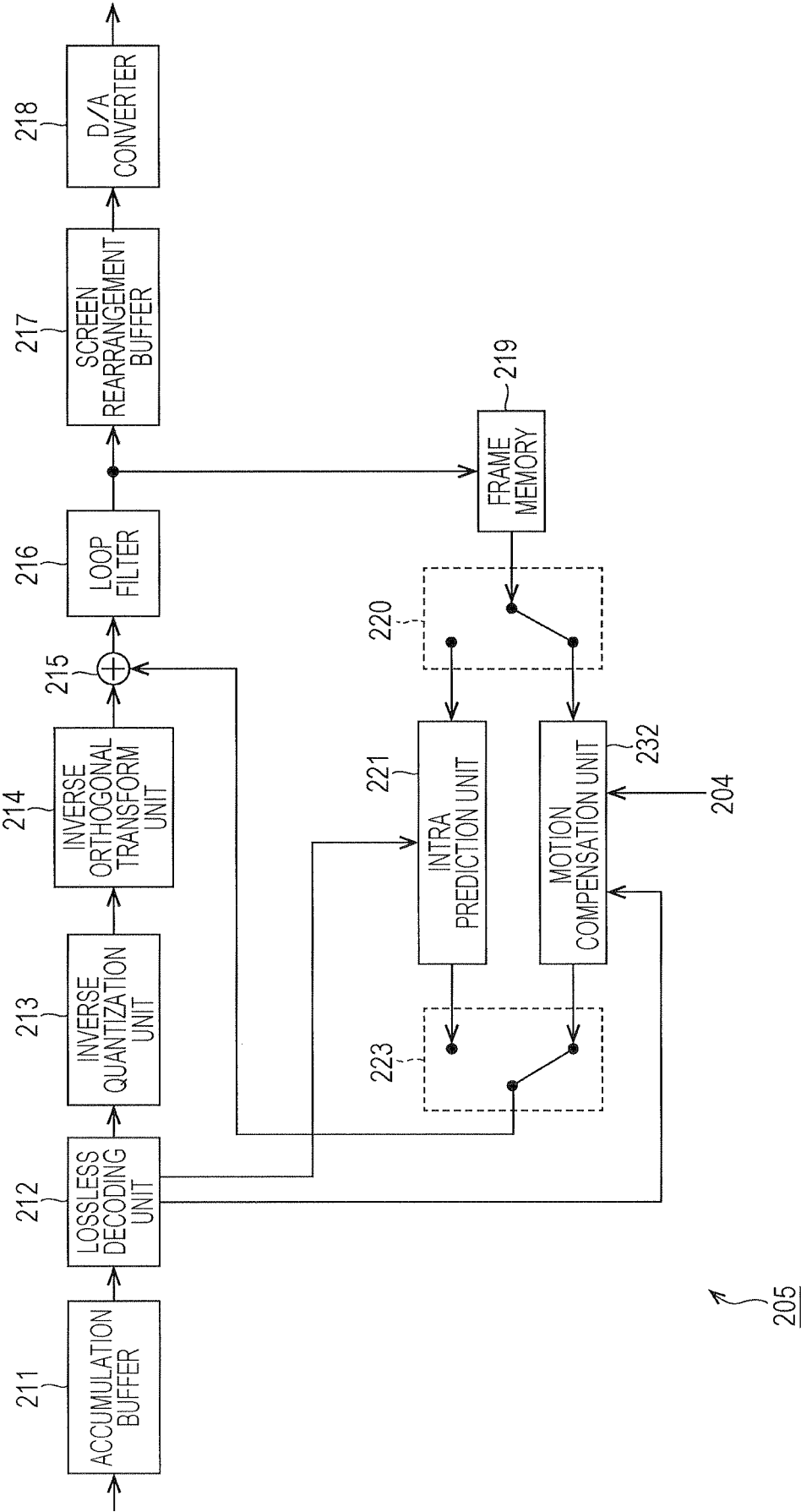
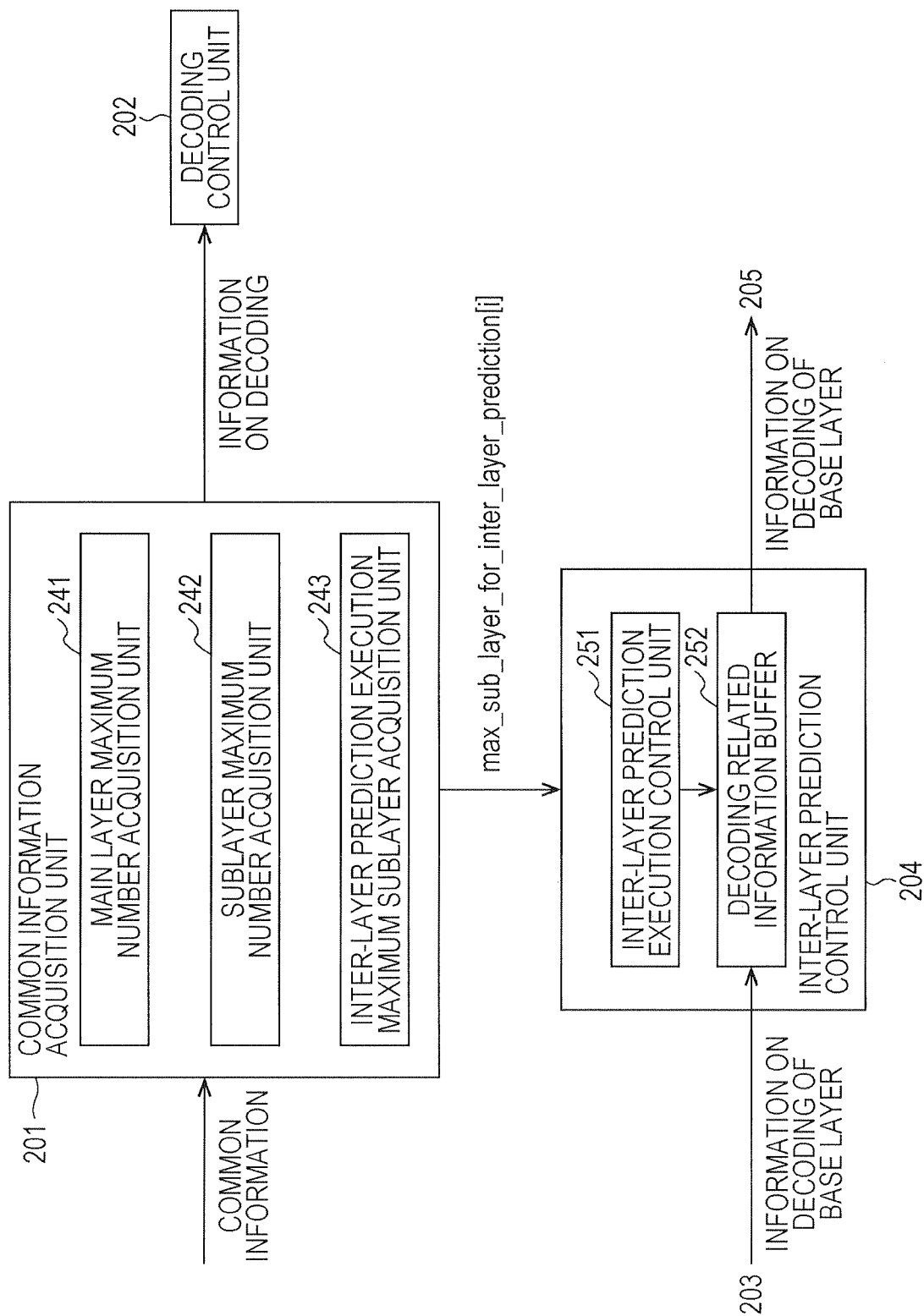


FIG. 21

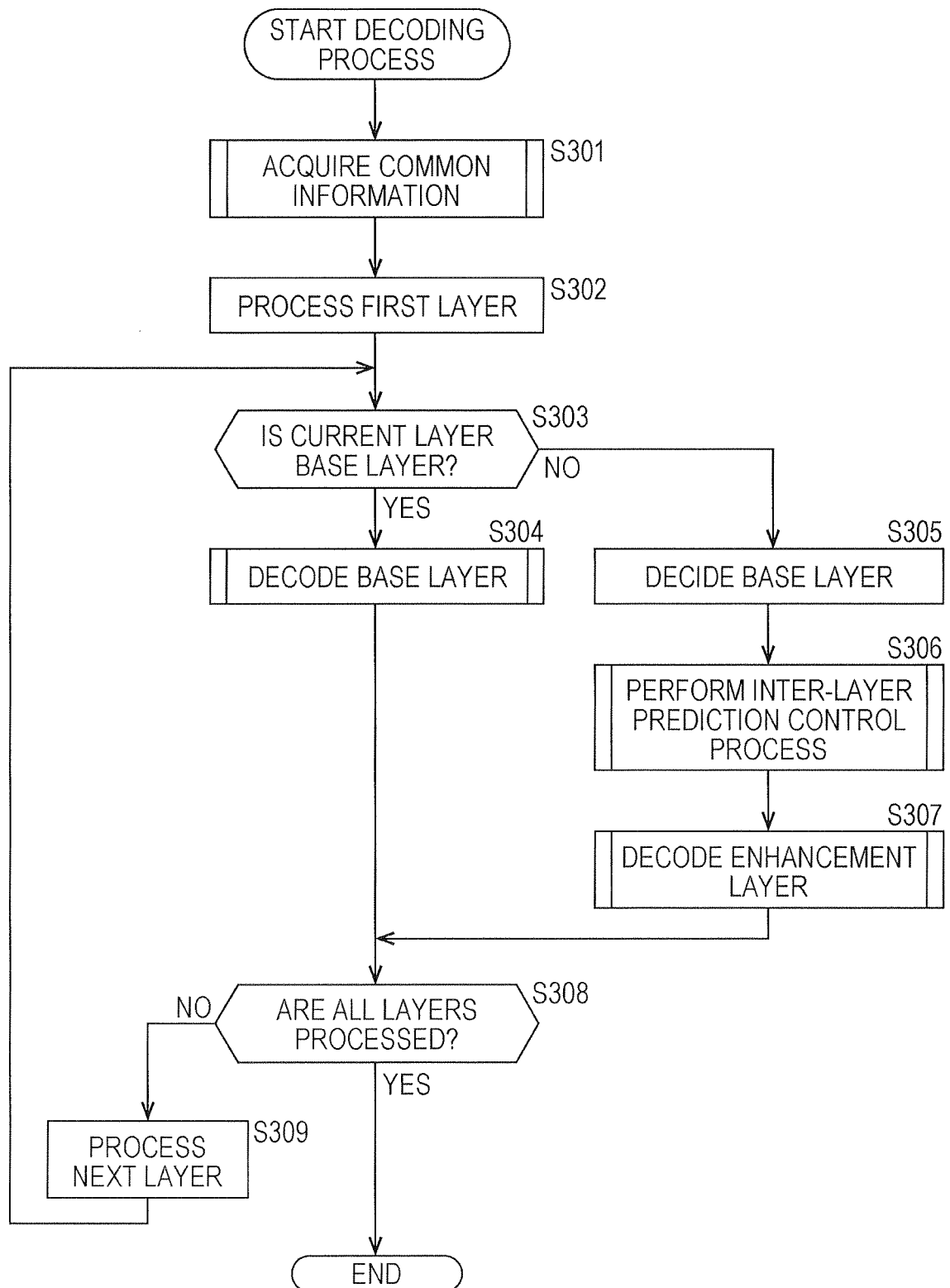


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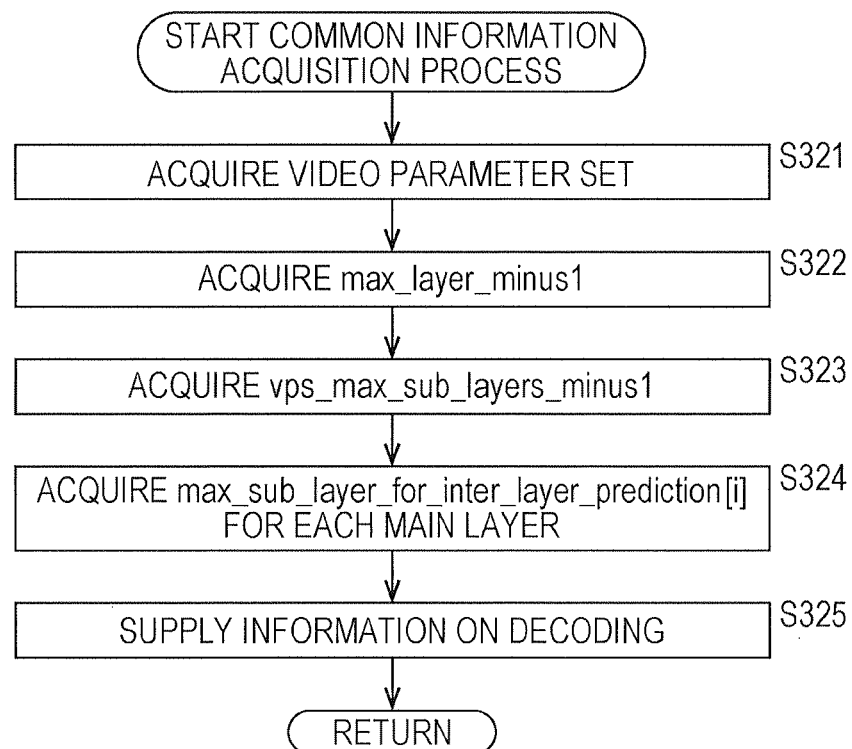
FIG. 22



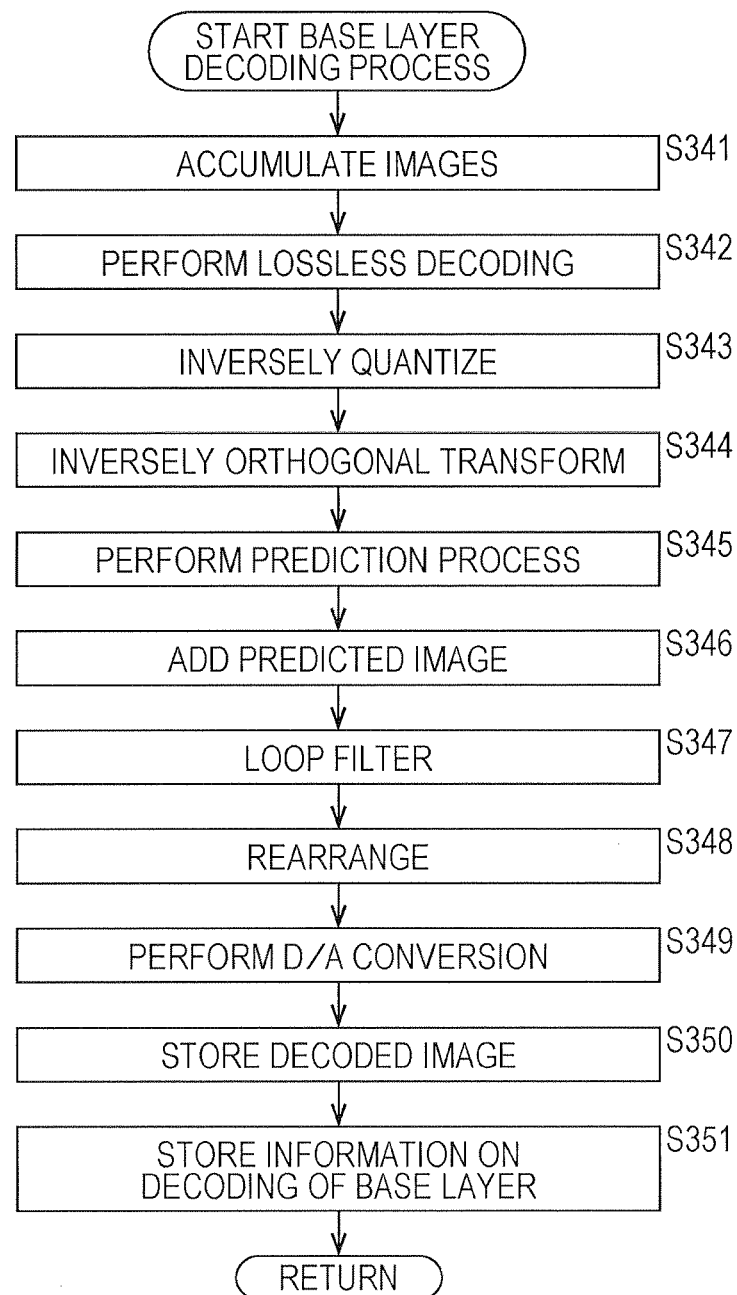
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FIG. 23

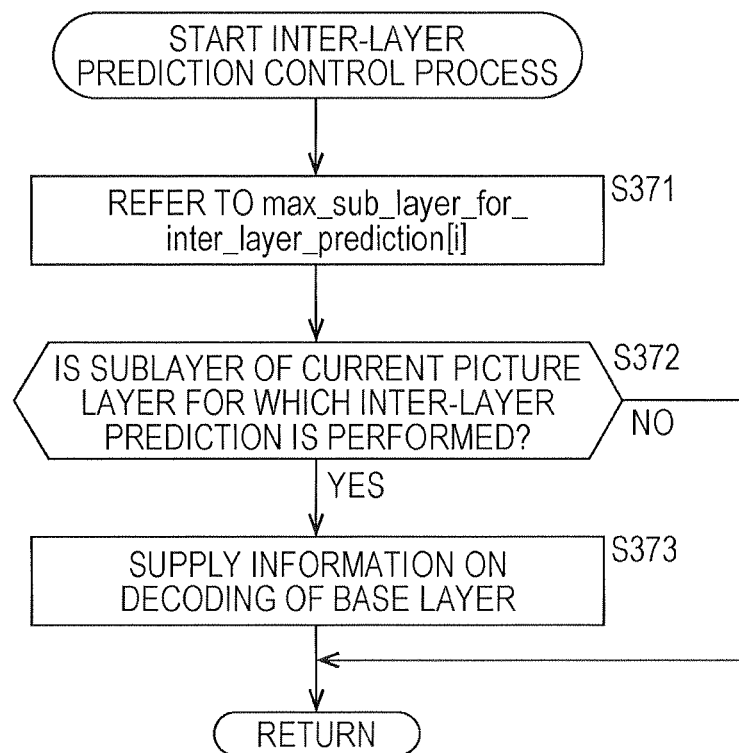
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FIG. 24

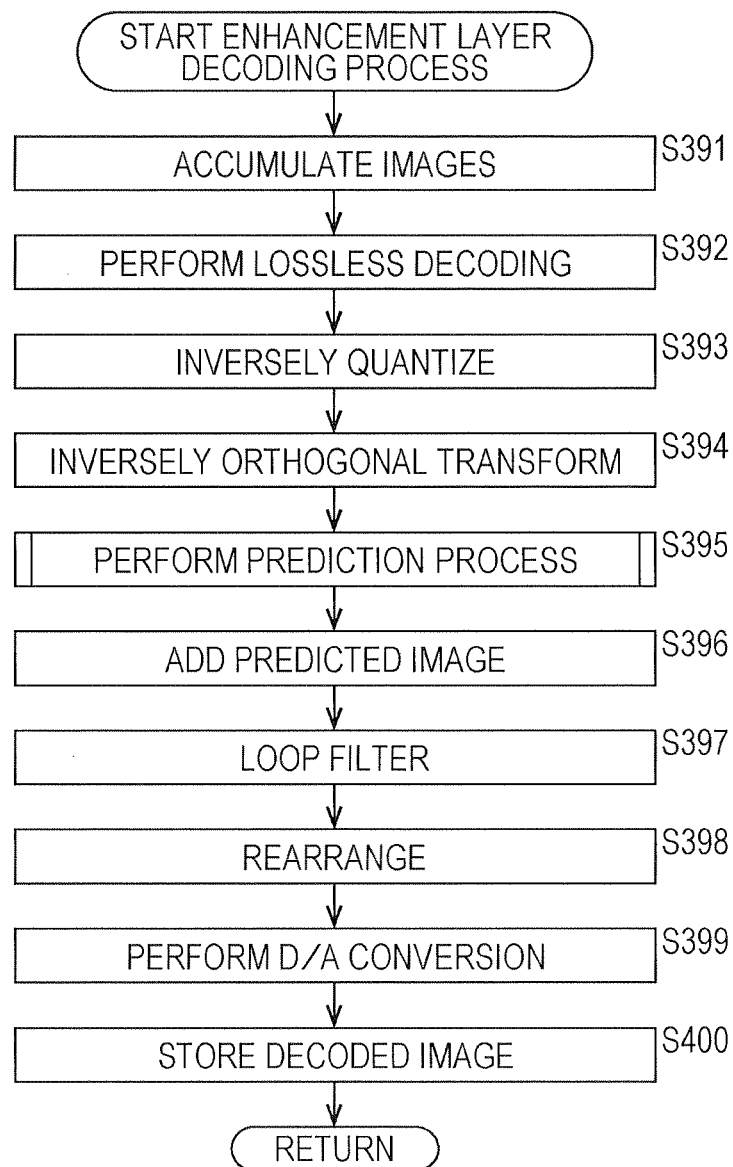
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FIG. 25

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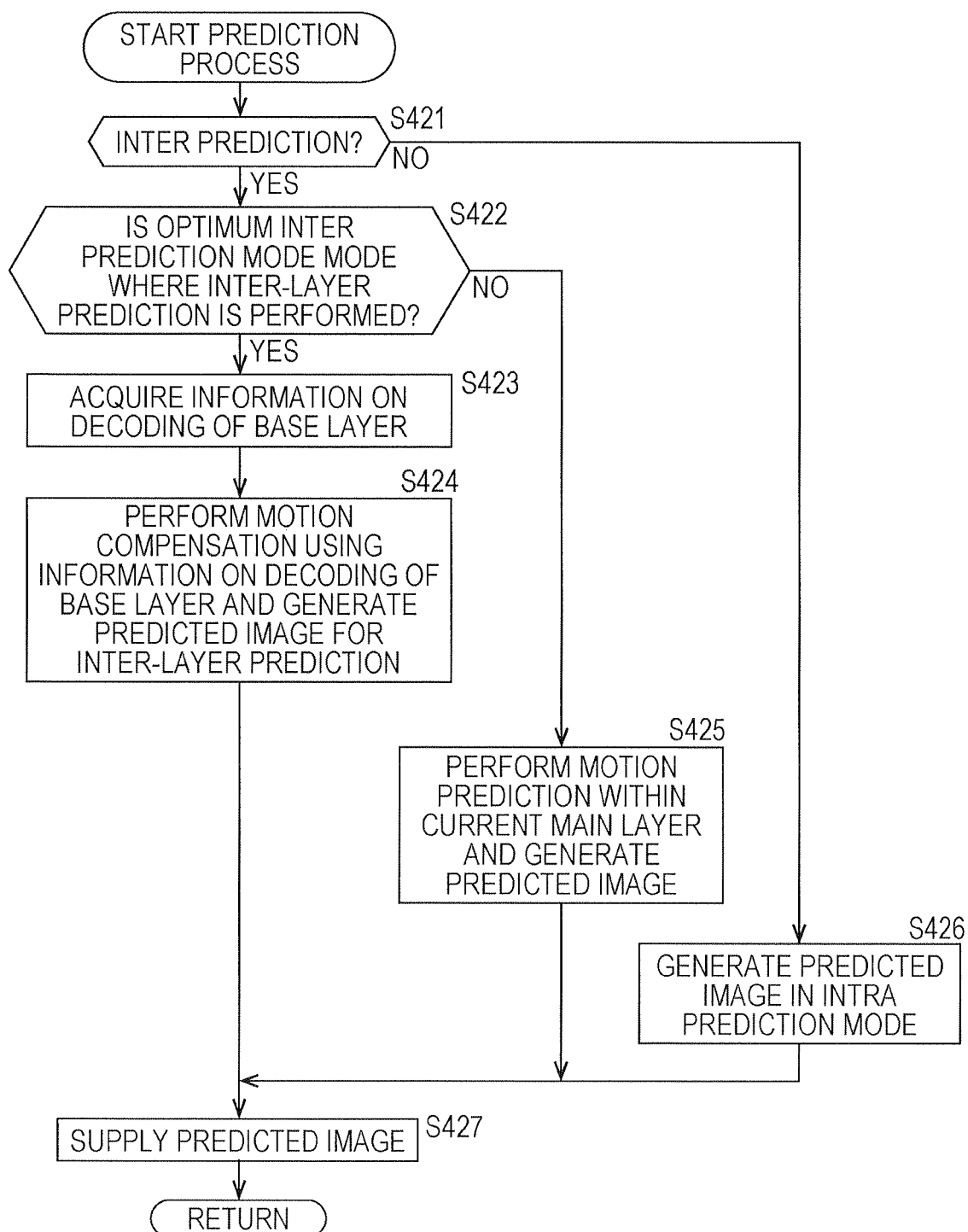
FIG. 26

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FIG. 27

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FIG. 28



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FIG. 29

video_parameter_set_rbsp() {	Descriptor
video_parameter_set_id	u(4)
vps_temporal_id_nesting_flag	u(1)
vps_reserved_zero_2bits	u(2)
vps_reserved_zero_6bits	u(6)
max_layer_minus1	u(3)
for(i = 0; i <= max_layer_minus1; i++)	
vps_num_sub_layers_minus1[i]	u(3)
for(i = 1; i <= max_layer_minus1; i++)	
max_sub_layer_for_inter_layer_prediction[i]	u(3)
profile_and_level(1, vps_max_sub_layers_minus1)	
vps_reserved_zero_12bits	u(12)
for(i = 0; i <= vps_max_sub_layers_minus1; i++) {	
vps_max_dec_pic_buffering[i]	ue(v)
vps_max_num_reorder_pics[i]	ue(v)
vps_max_latency_increase[i]	ue(v)
}	
vps_num_hrd_parameters	ue(v)
for(i = 0; i < vps_num_hrd_parameters; i++) {	
if(i > 0)	
op_point(i)	
hrd_parameters(i == 0, vps_max_sub_layers_minus1)	
}	
vps_extension_flag	u(1)
if(vps_extension_flag)	
while(more_rbsp_data())	
vps_extension_data_flag	u(1)
}	
rbsp_trailing_bits()	
}	

FIG. 30

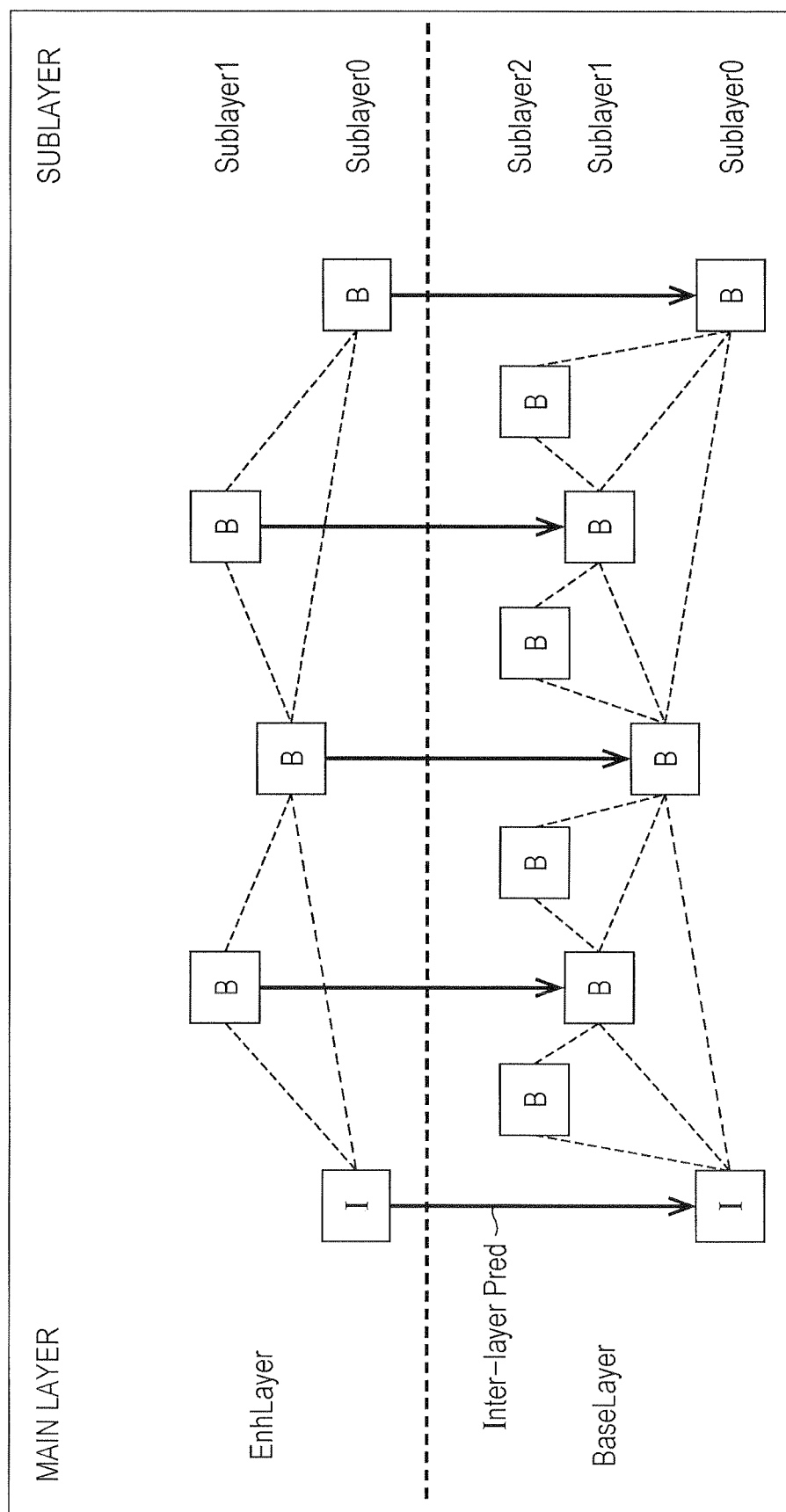


FIG. 31

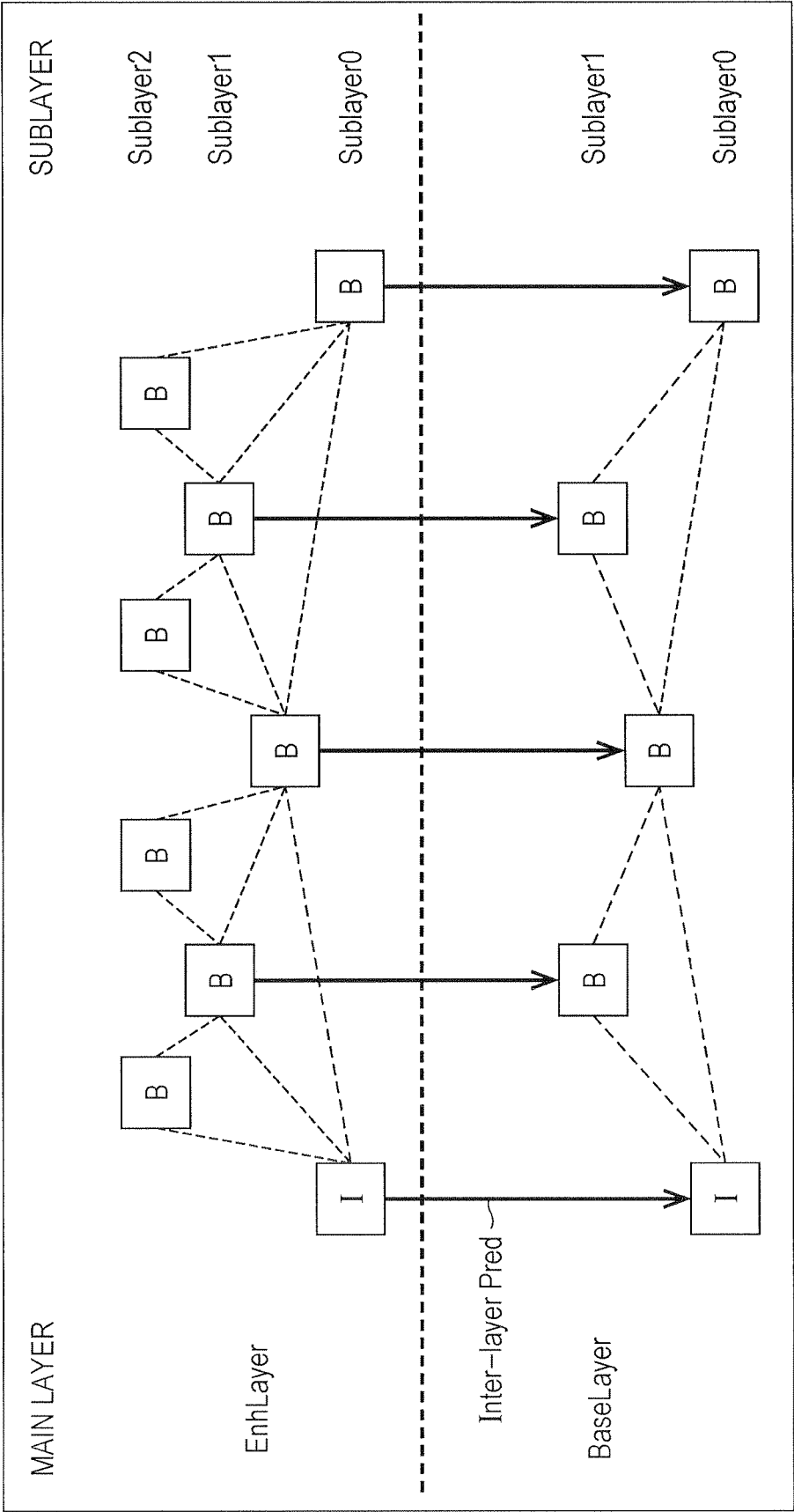
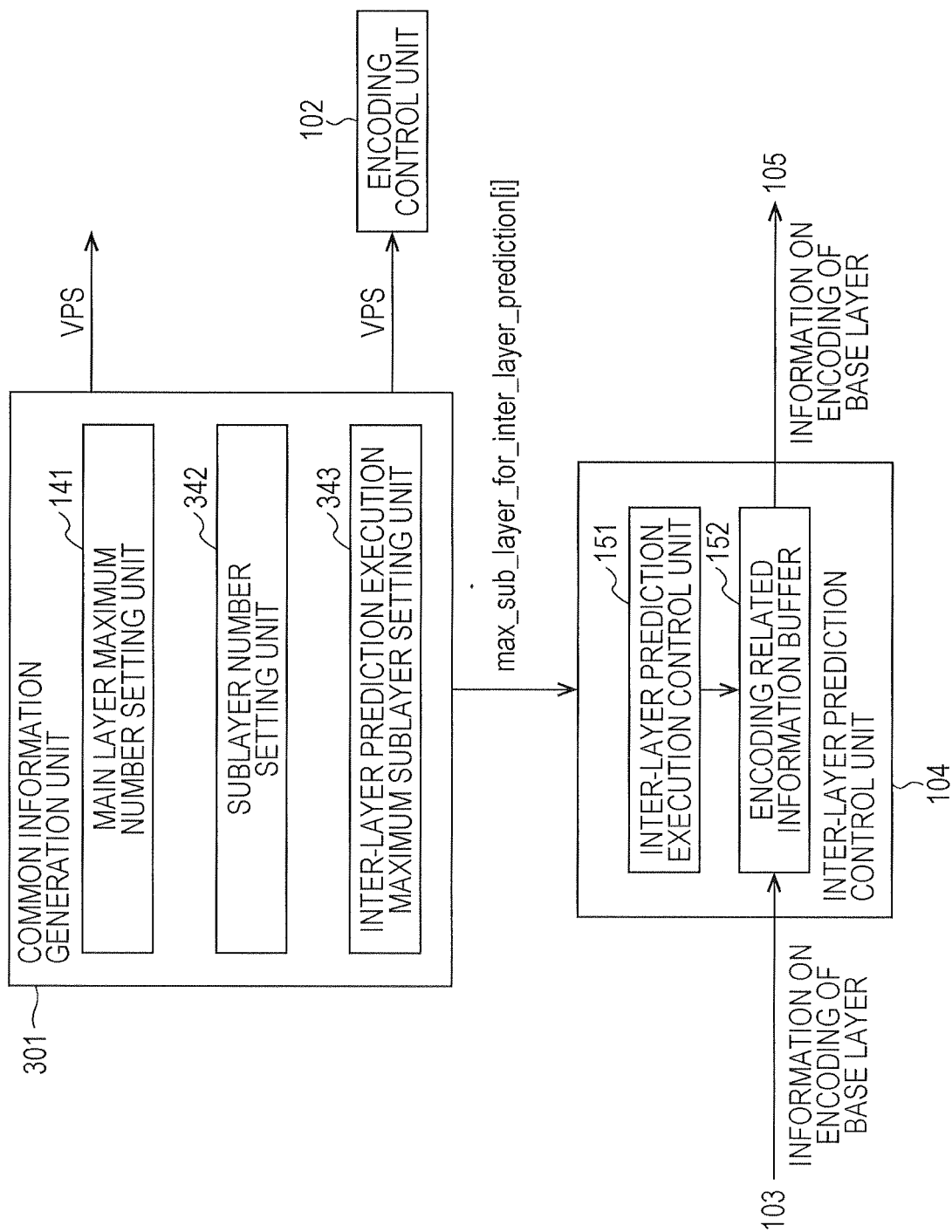


FIG. 32



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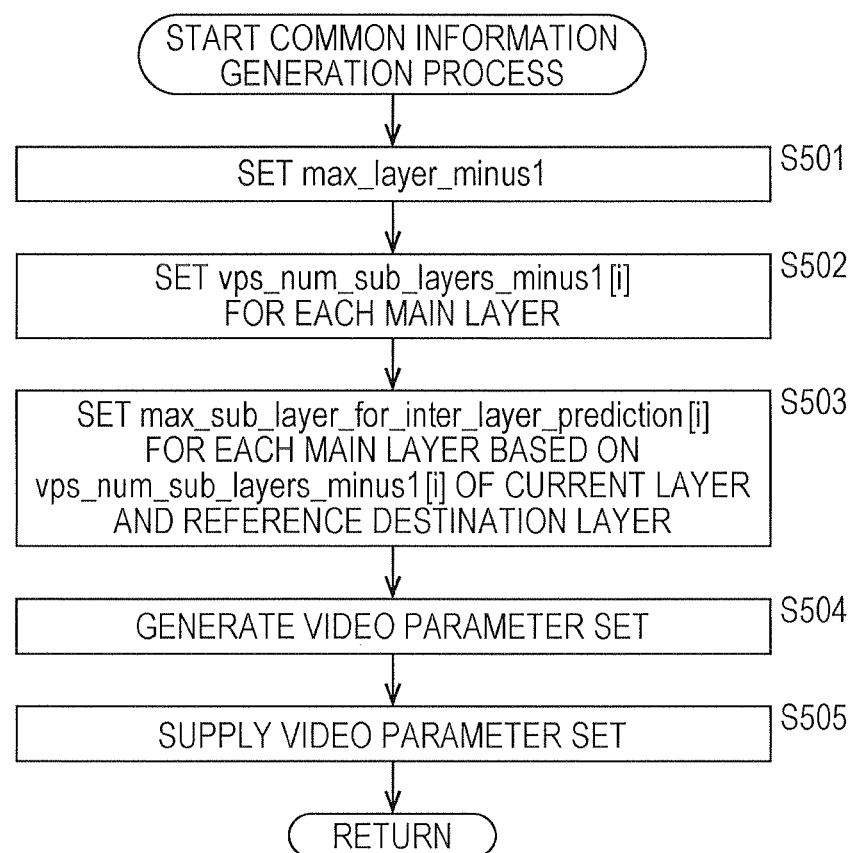
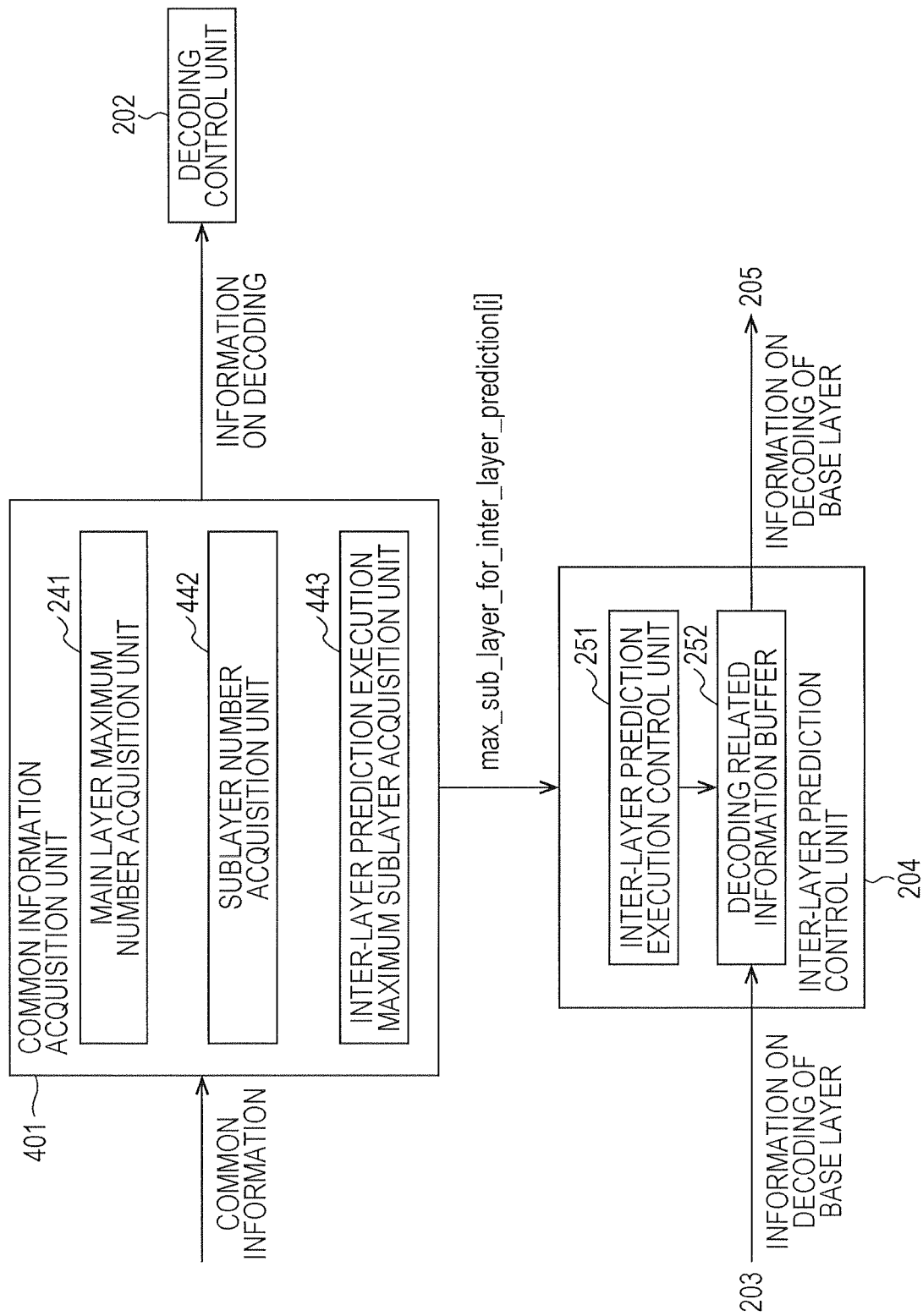
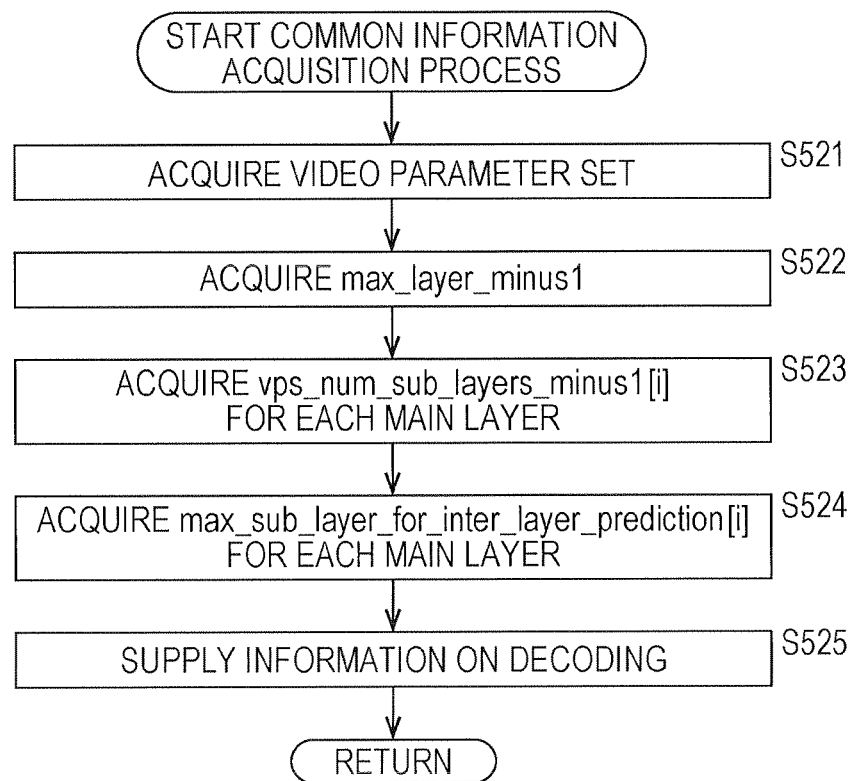
FIG. 33

FIG. 34



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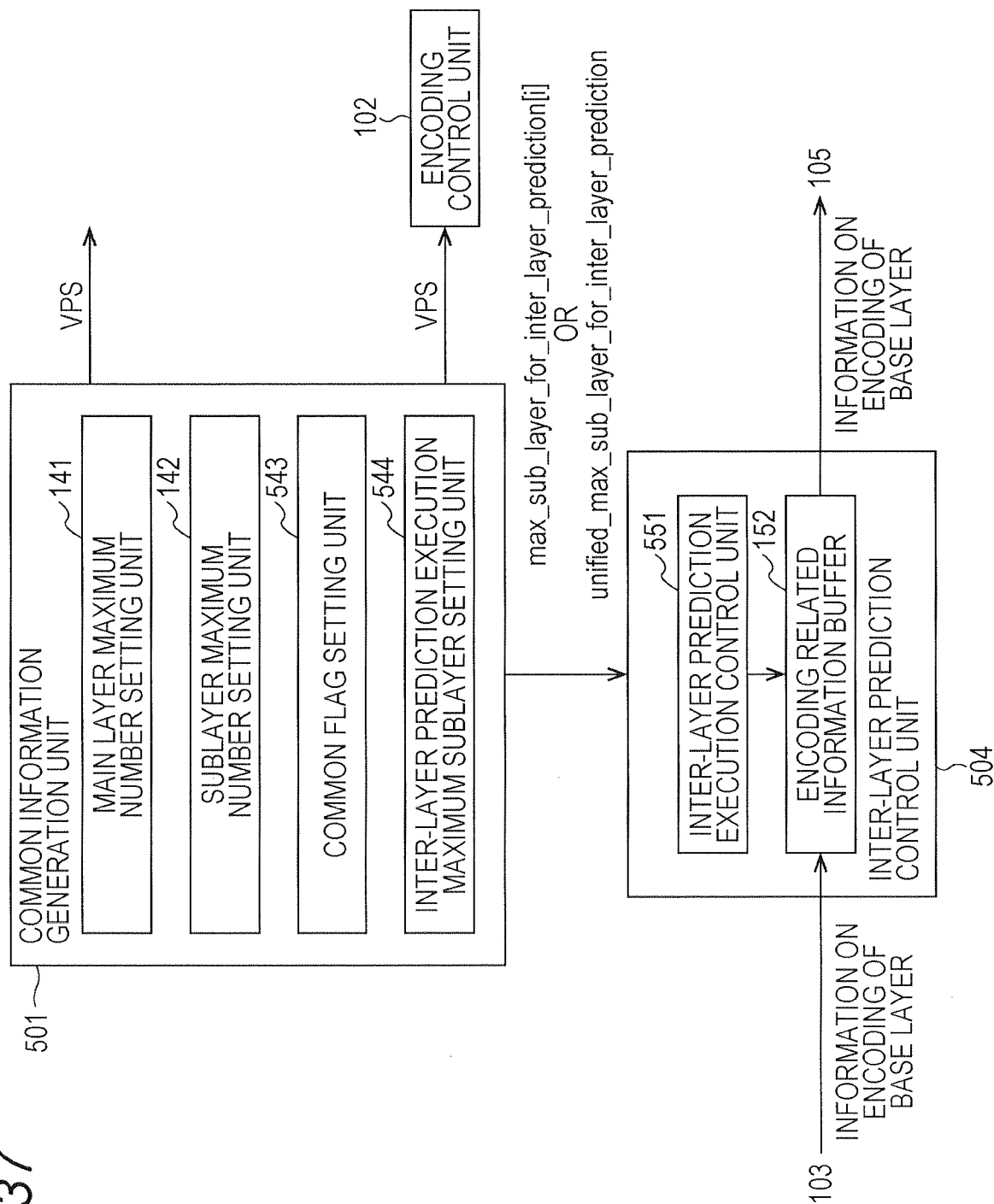
FIG. 35

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FIG. 36

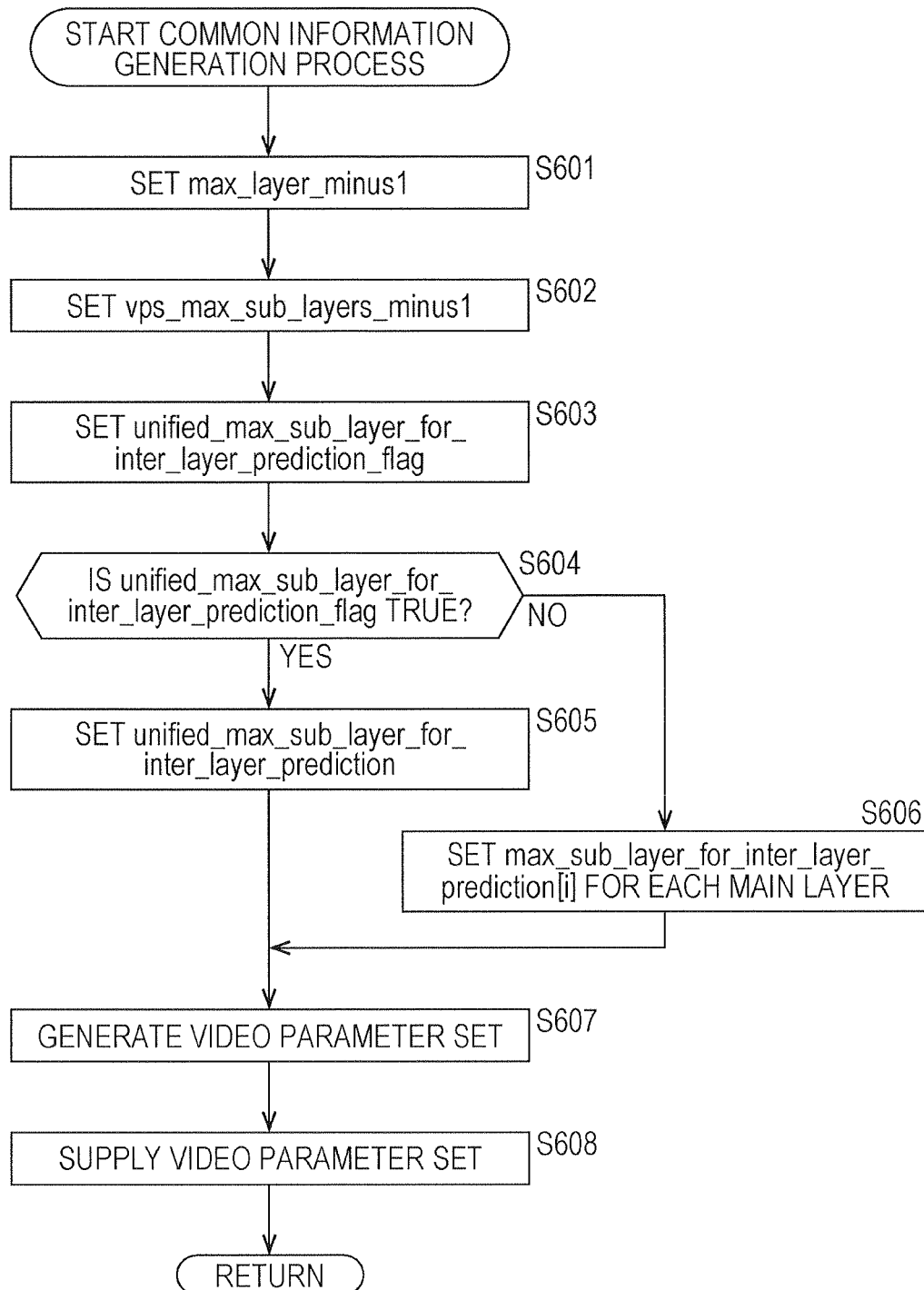
video_parameter_set_rbsp() {	Descriptor
video_parameter_set_id	u(4)
vps_temporal_id_nesting_flag	u(1)
vps_reserved_zero_2bits	u(2)
vps_reserved_zero_6bits	u(6)
max_layer_minus1	u(3)
vps_max_sub_layers_minus1	u(3)
unified_max_sub_layer_for_inter_layer_prediction_flag	u(1)
if(unified_max_sub_layer_for_inter_prediction_flag)	
unified_max_sub_layer_for_inter_layer_prediction	u(3)
else	
for(i = 1; i <= max_layers_minus1; i++)	
max_sub_layer_for_inter_layer_prediction[i]	u(3)
profile_and_level(1, vps_max_sub_layers_minus1)	
vps_reserved_zero_12bits	u(12)
for(i = 0; i <= vps_max_sub_layers_minus1; i++) {	
vps_max_dec_pic_buffering[i]	ue(v)
vps_max_num_reorder_pics[i]	ue(v)
vps_max_latency_increase[i]	ue(v)
}	
vps_num_hrd_parameters	ue(v)
for(i = 0; i < vps_num_hrd_parameters; i++) {	
if(i > 0)	
op_point(i)	
hrd_parameters(i == 0, vps_max_sub_layers_minus1)	
}	
vps_extension_flag	u(1)
if(vps_extension_flag)	
while(more_rbsp_data())	
vps_extension_data_flag	u(1)
}	
rbp_trailing_bits()	
}	

FIG. 37



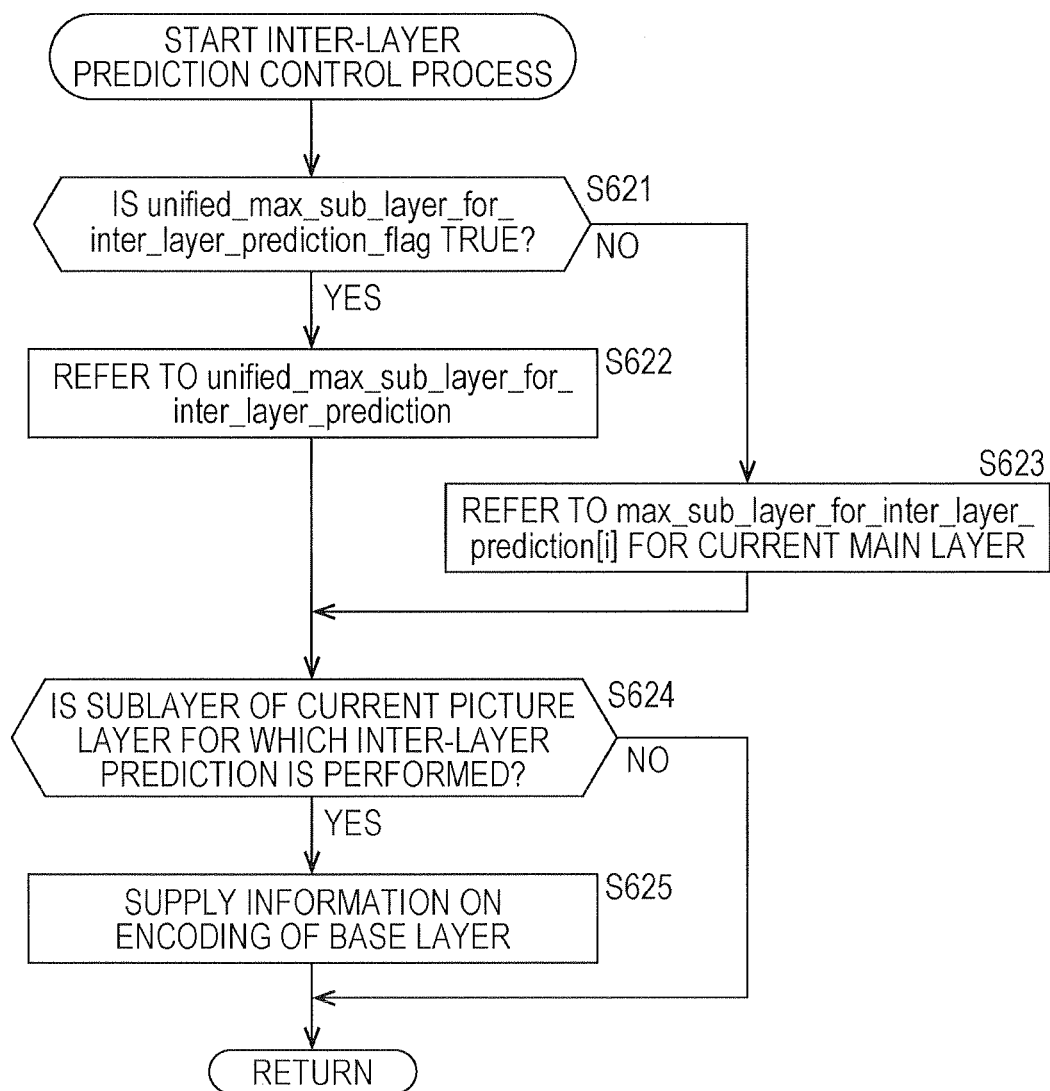
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FIG. 38



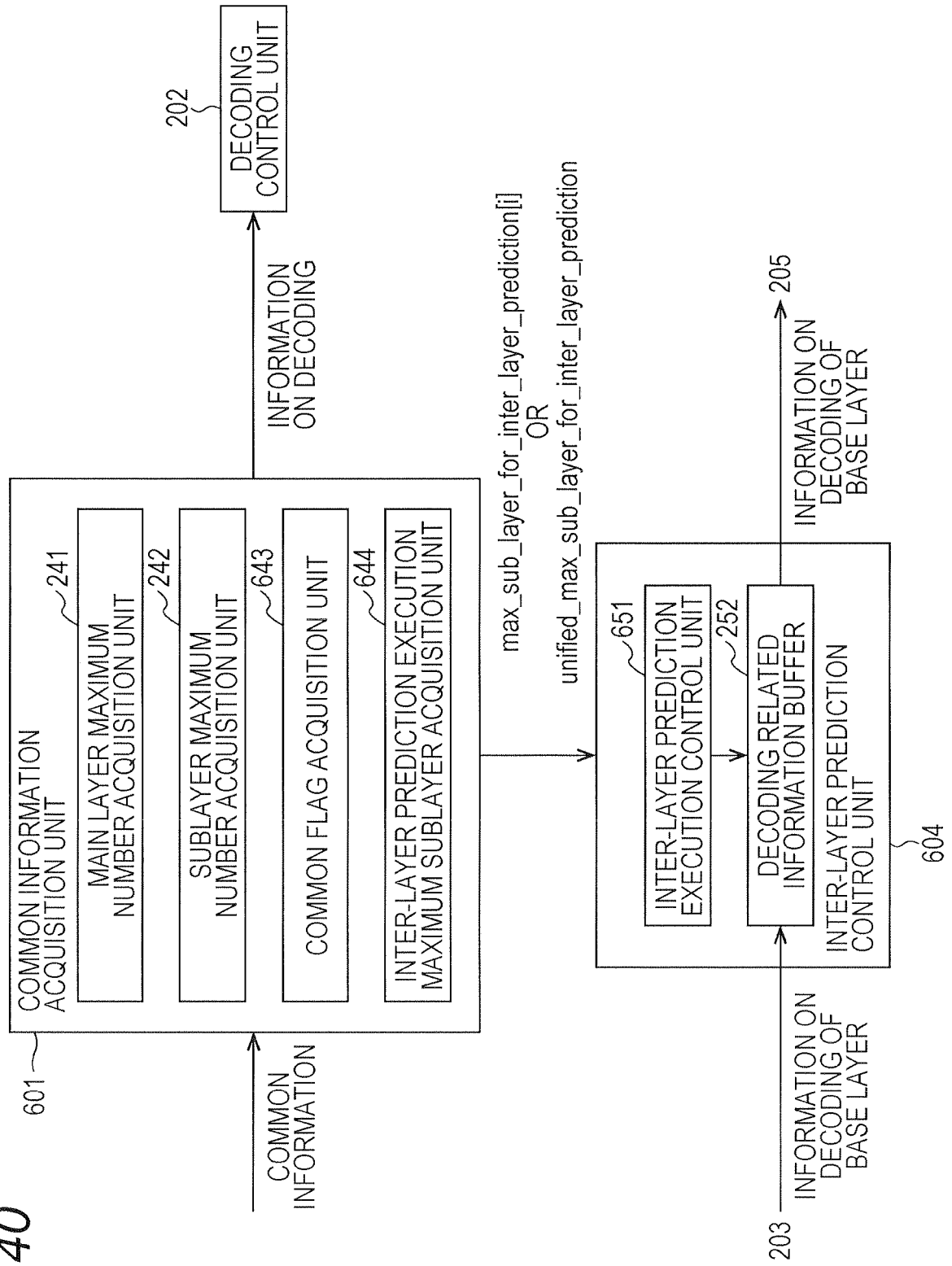
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FIG. 39

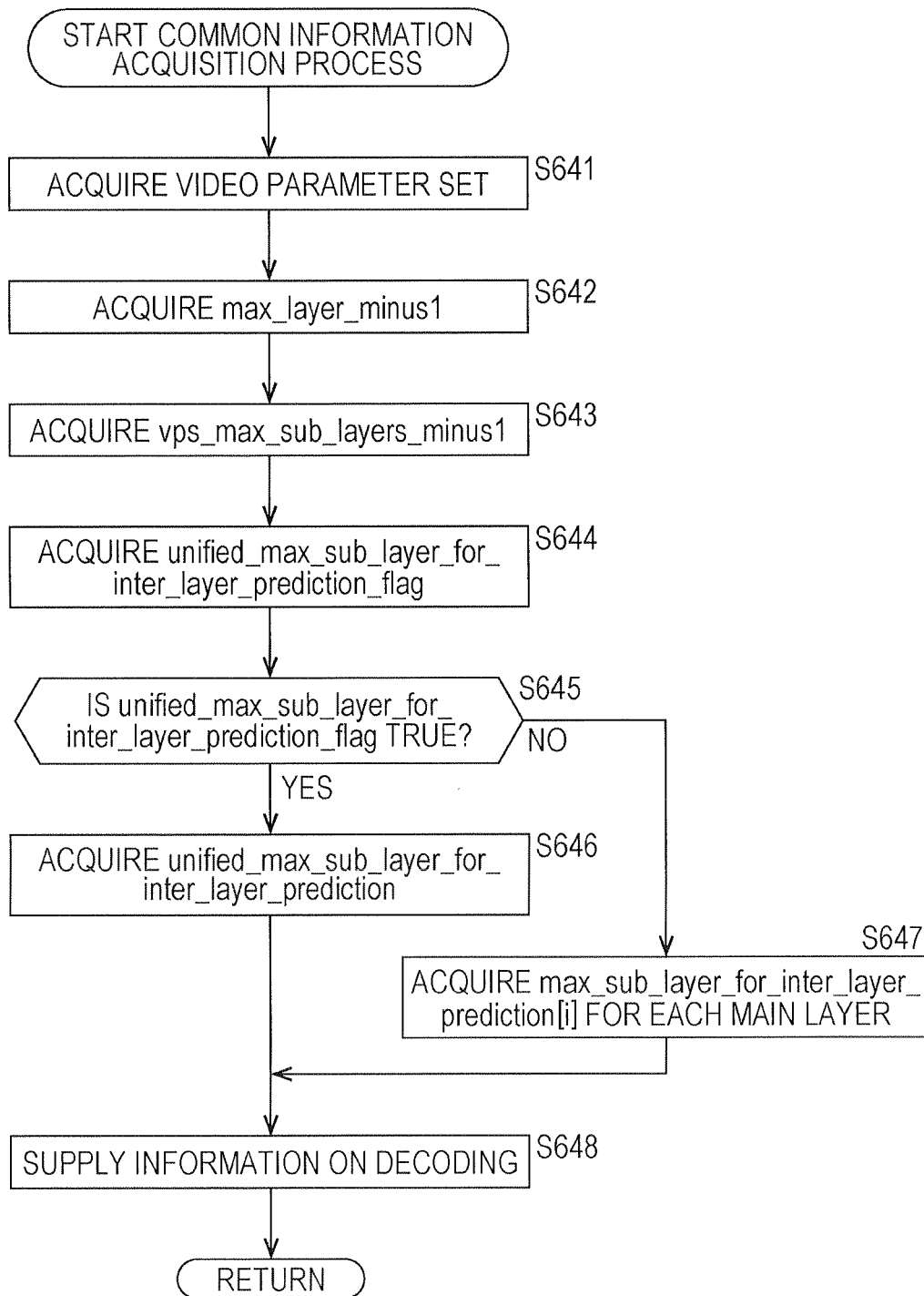


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FIG. 40



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FIG. 41

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FIG. 42

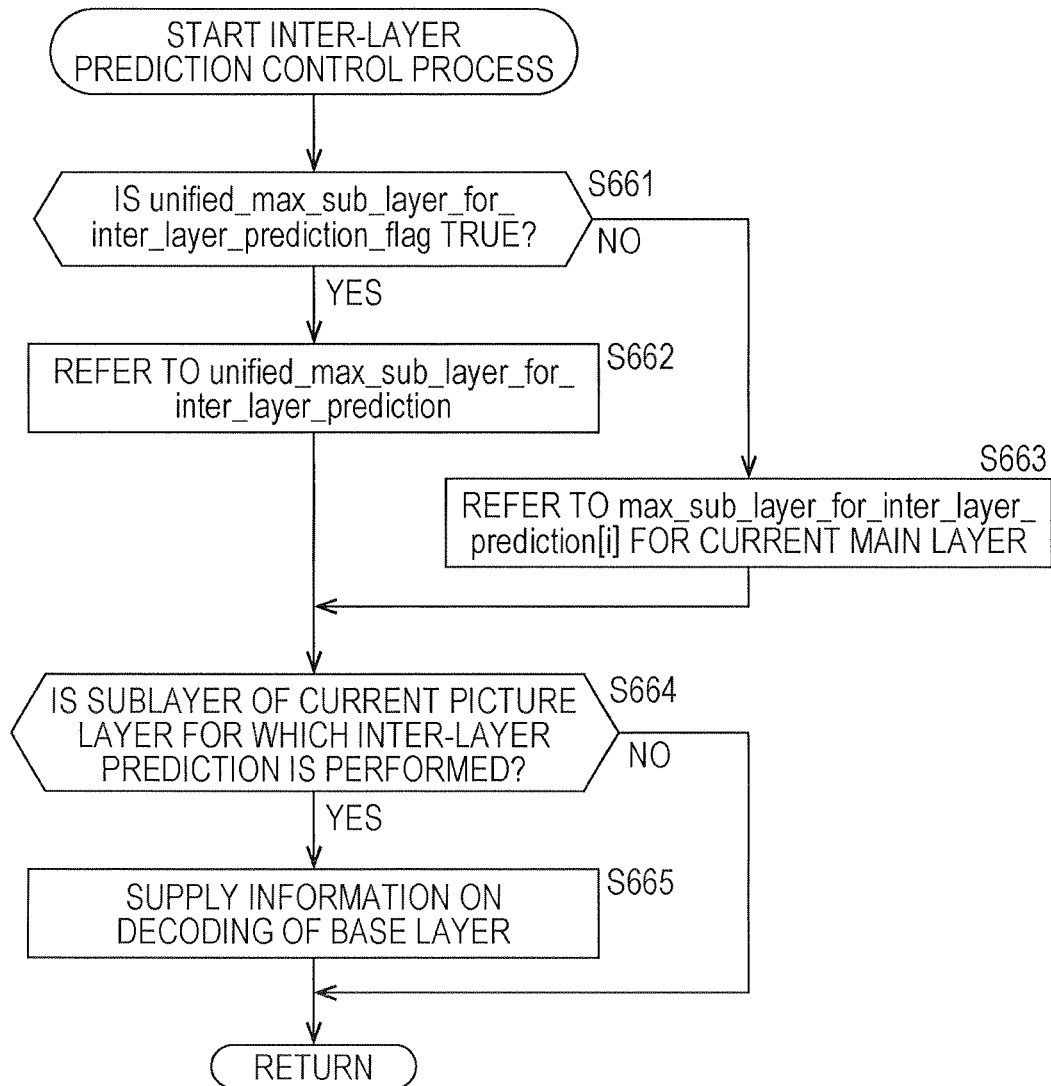
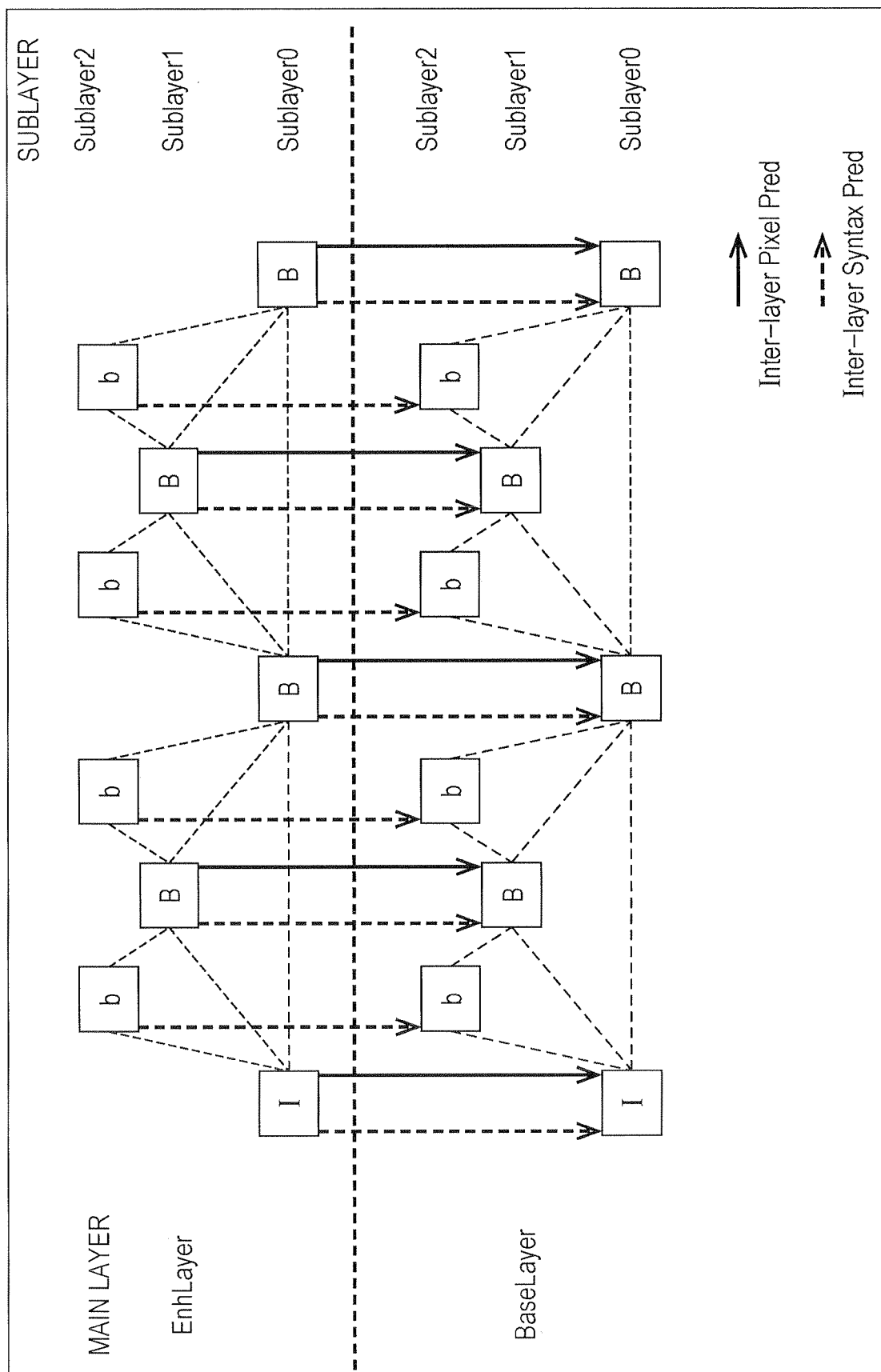
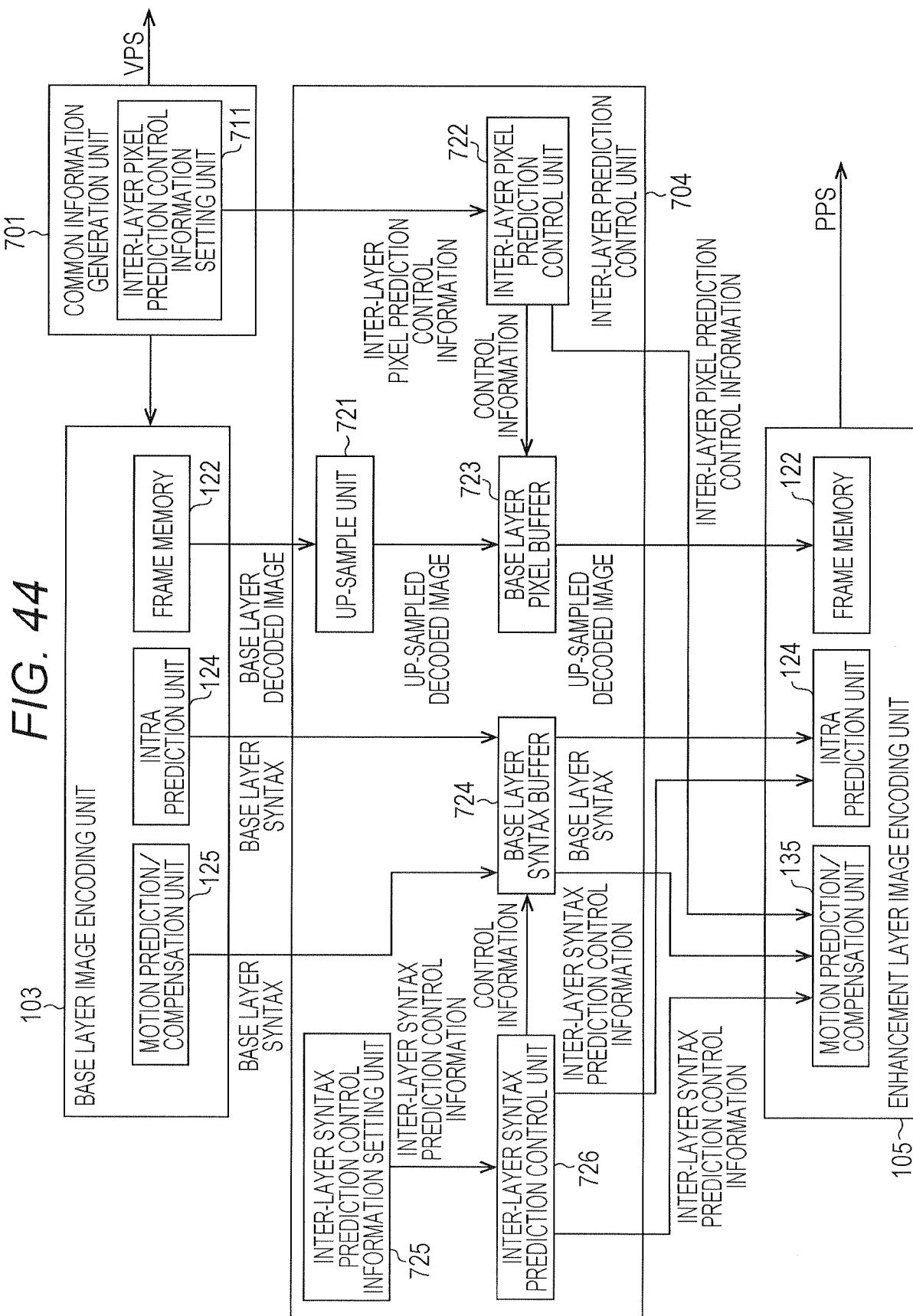
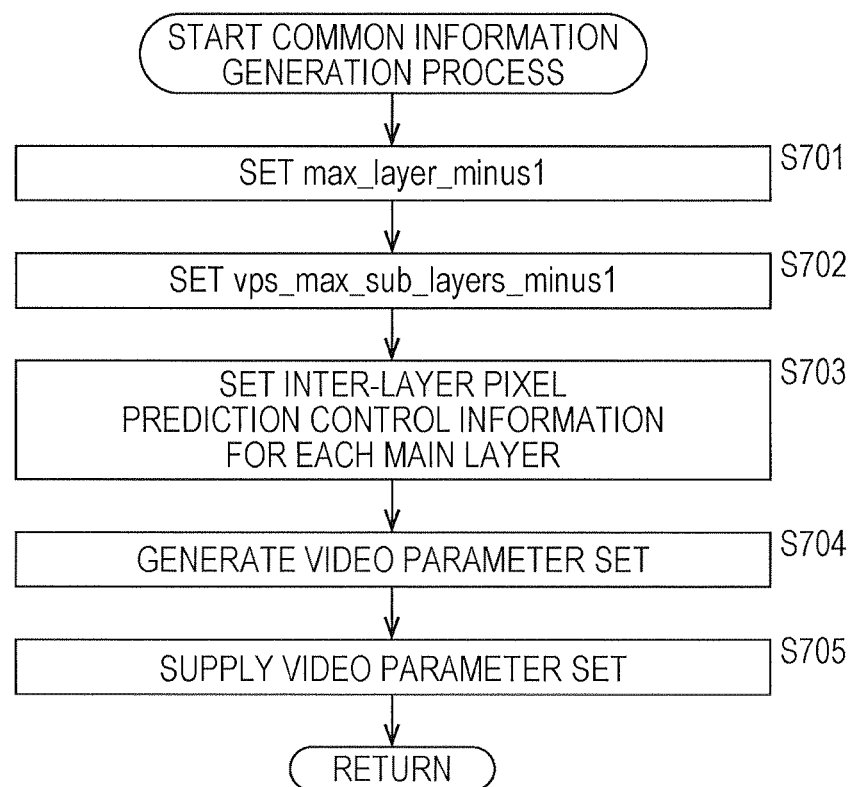


FIG. 43



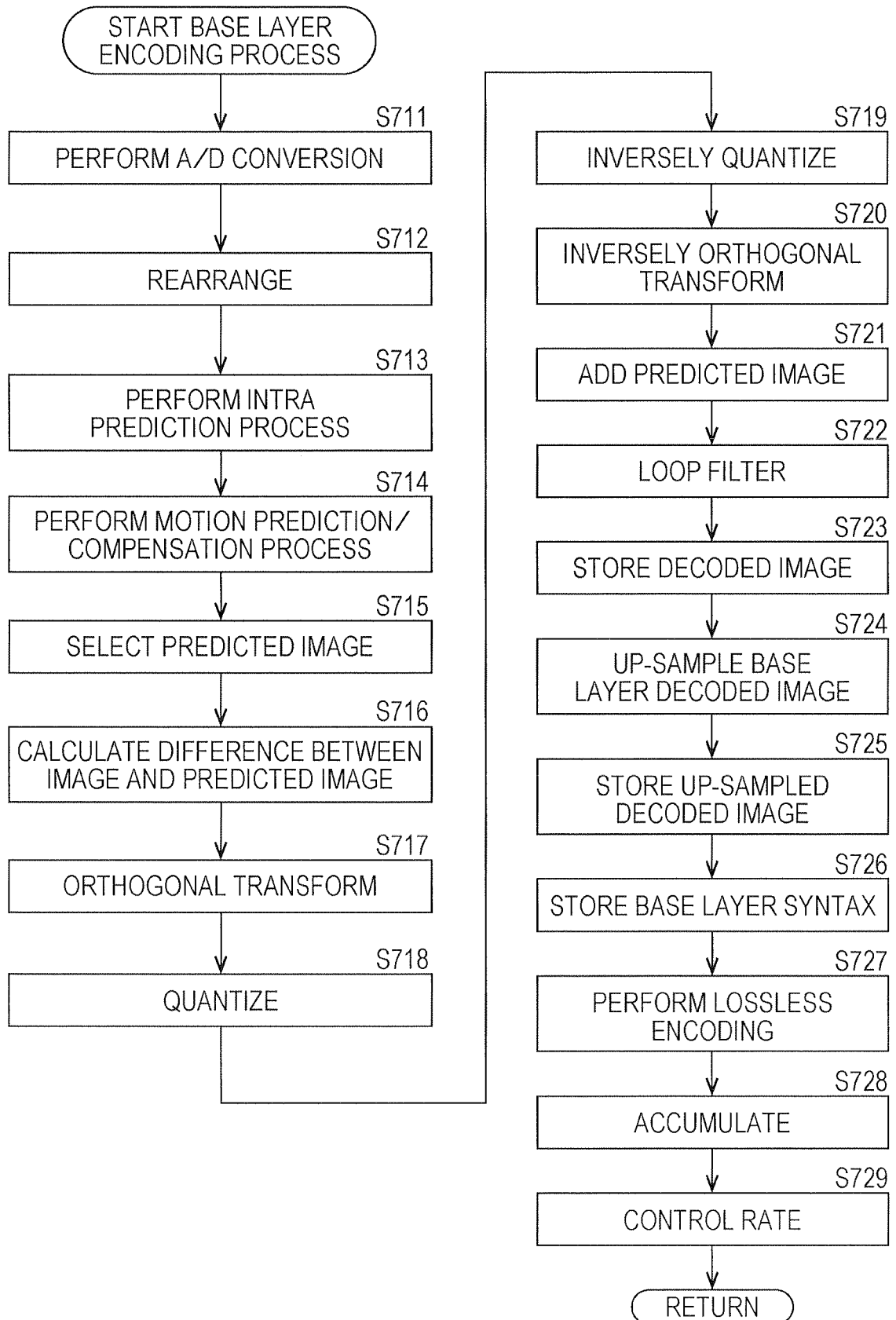


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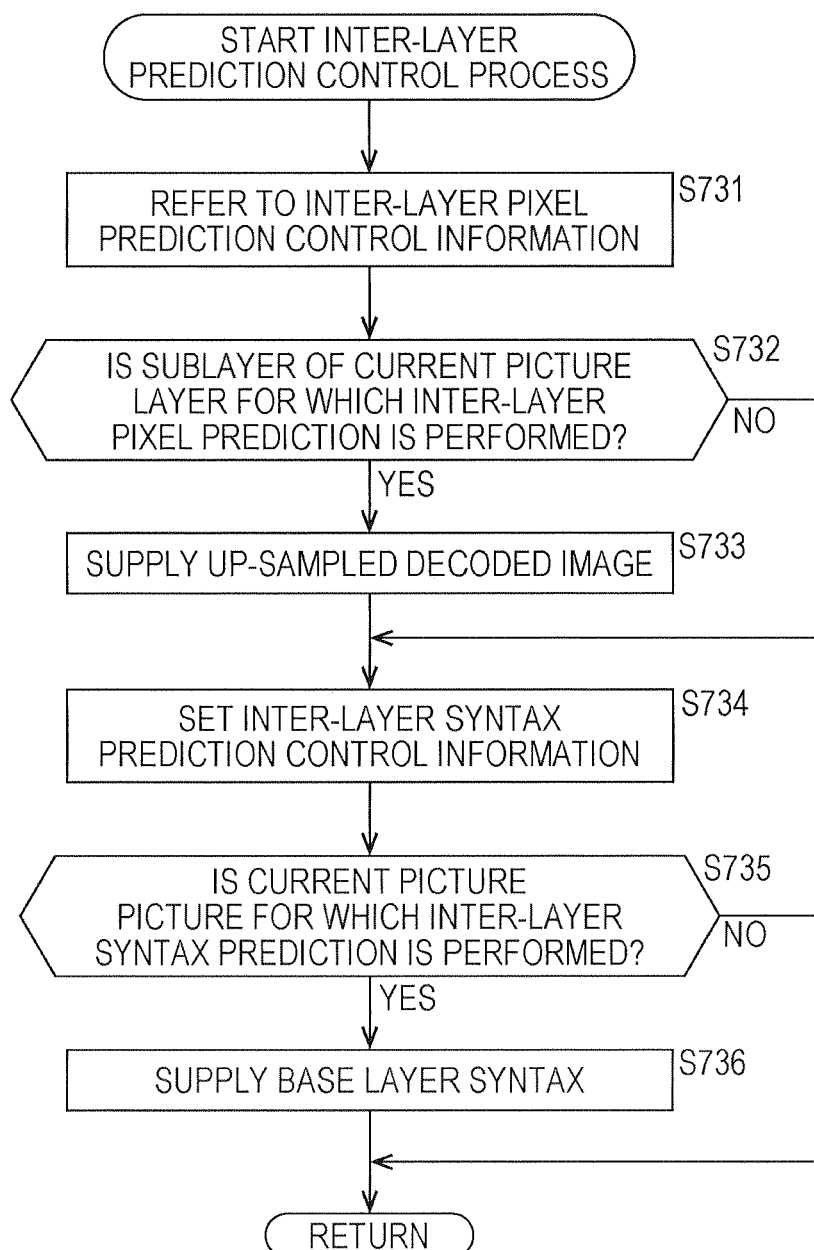
FIG. 45

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FIG. 46

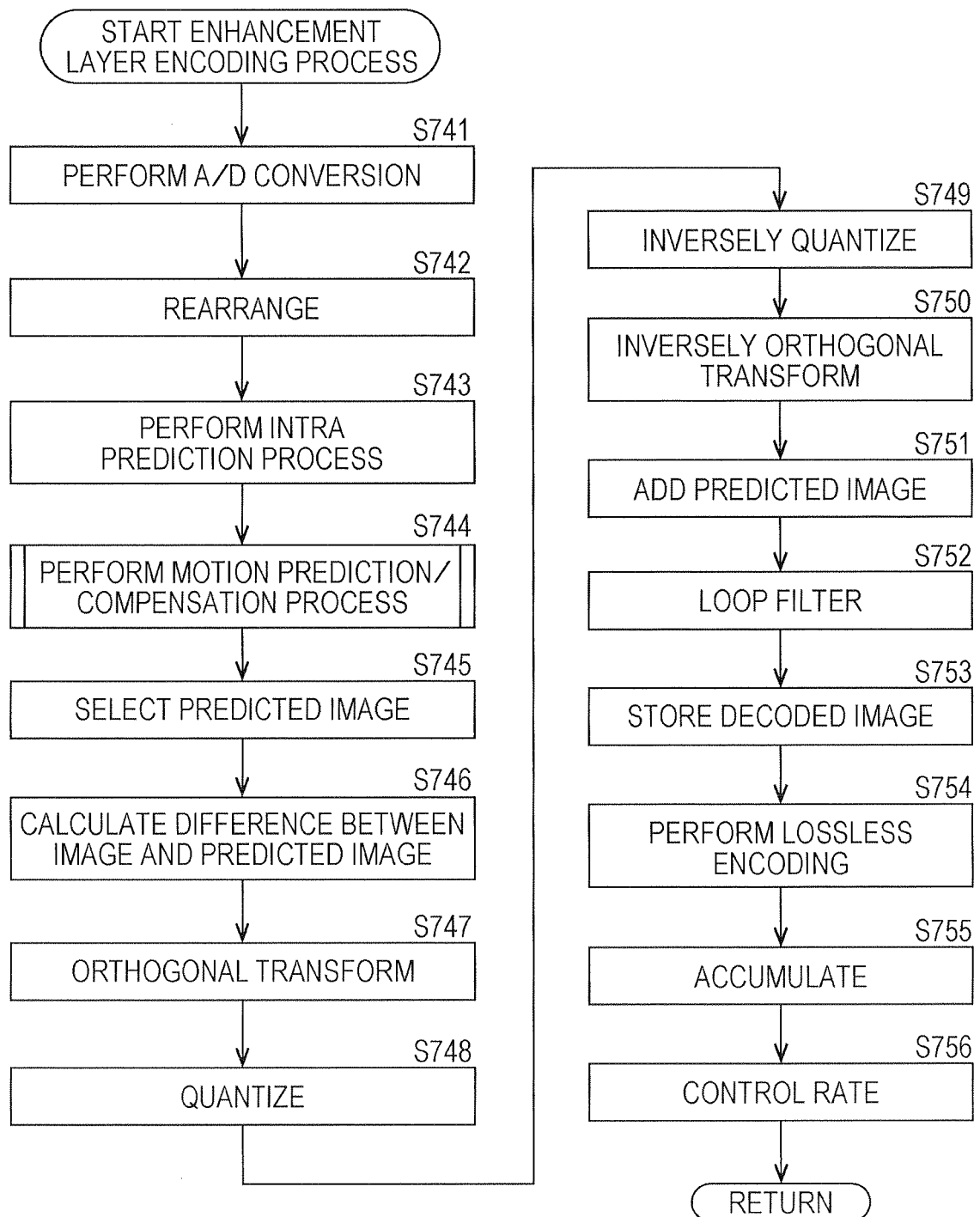


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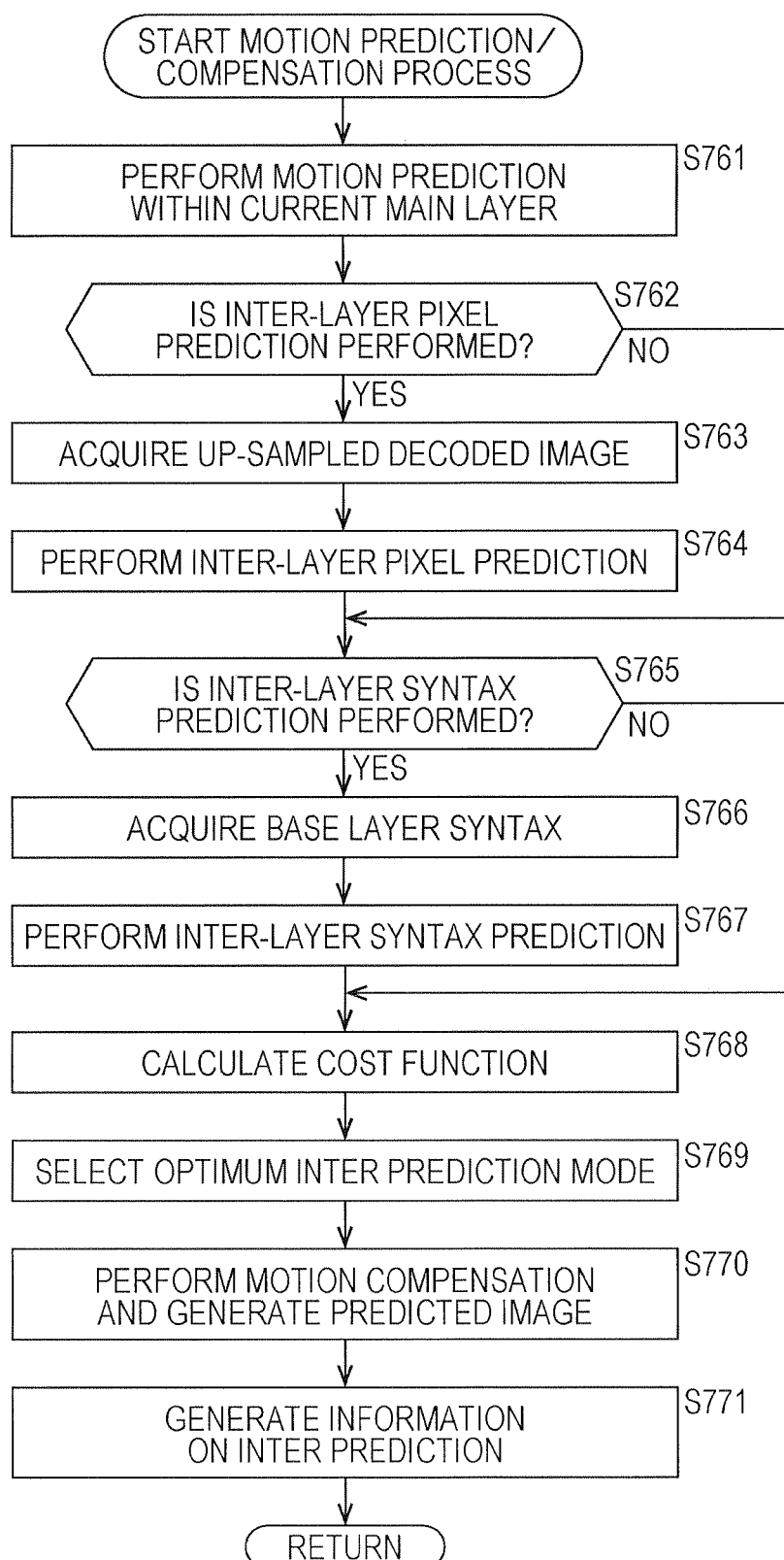
FIG. 47

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FIG. 48



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FIG. 49

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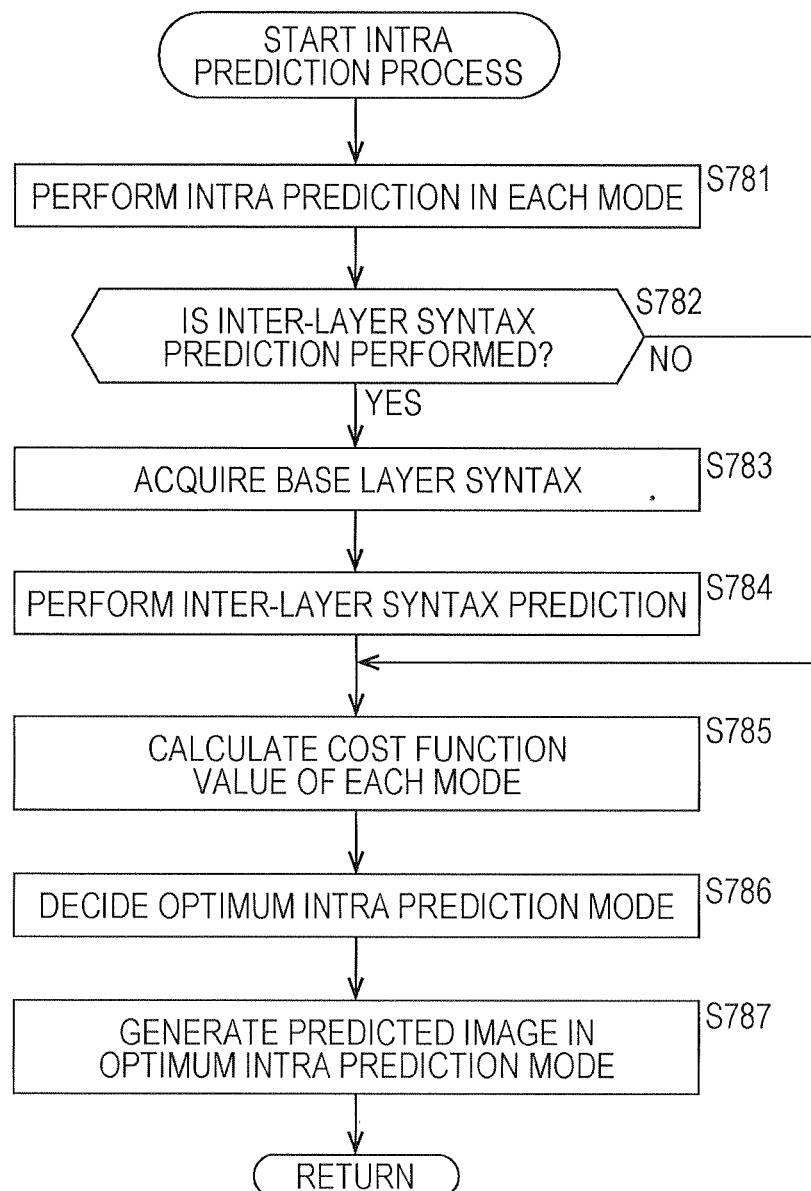
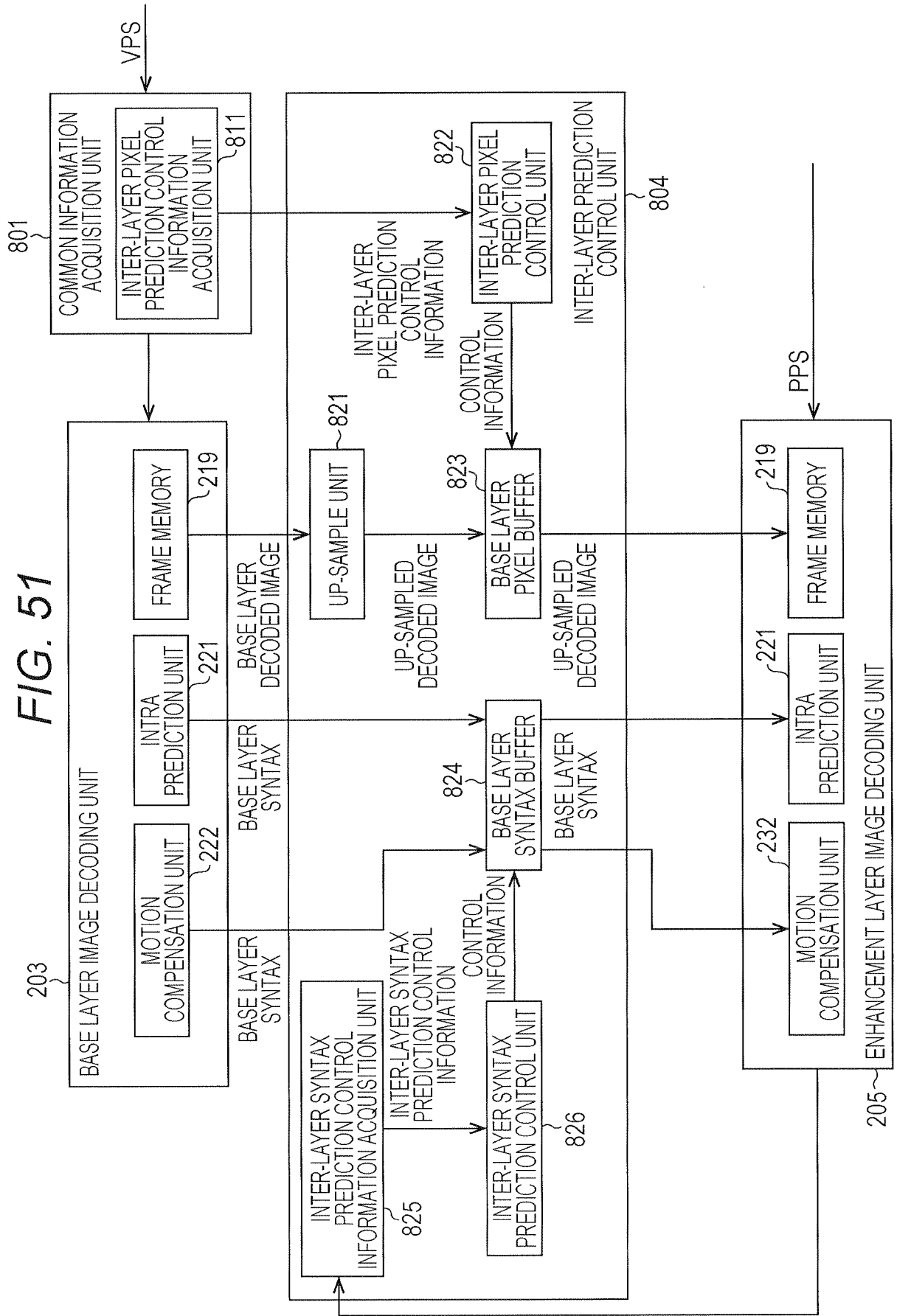
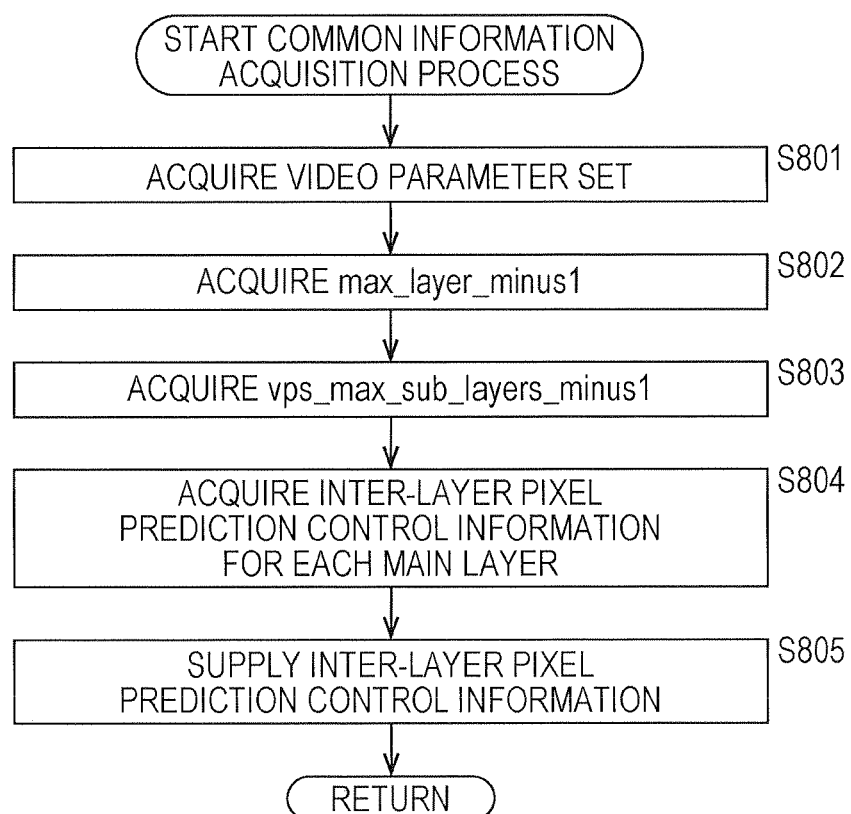
FIG. 50

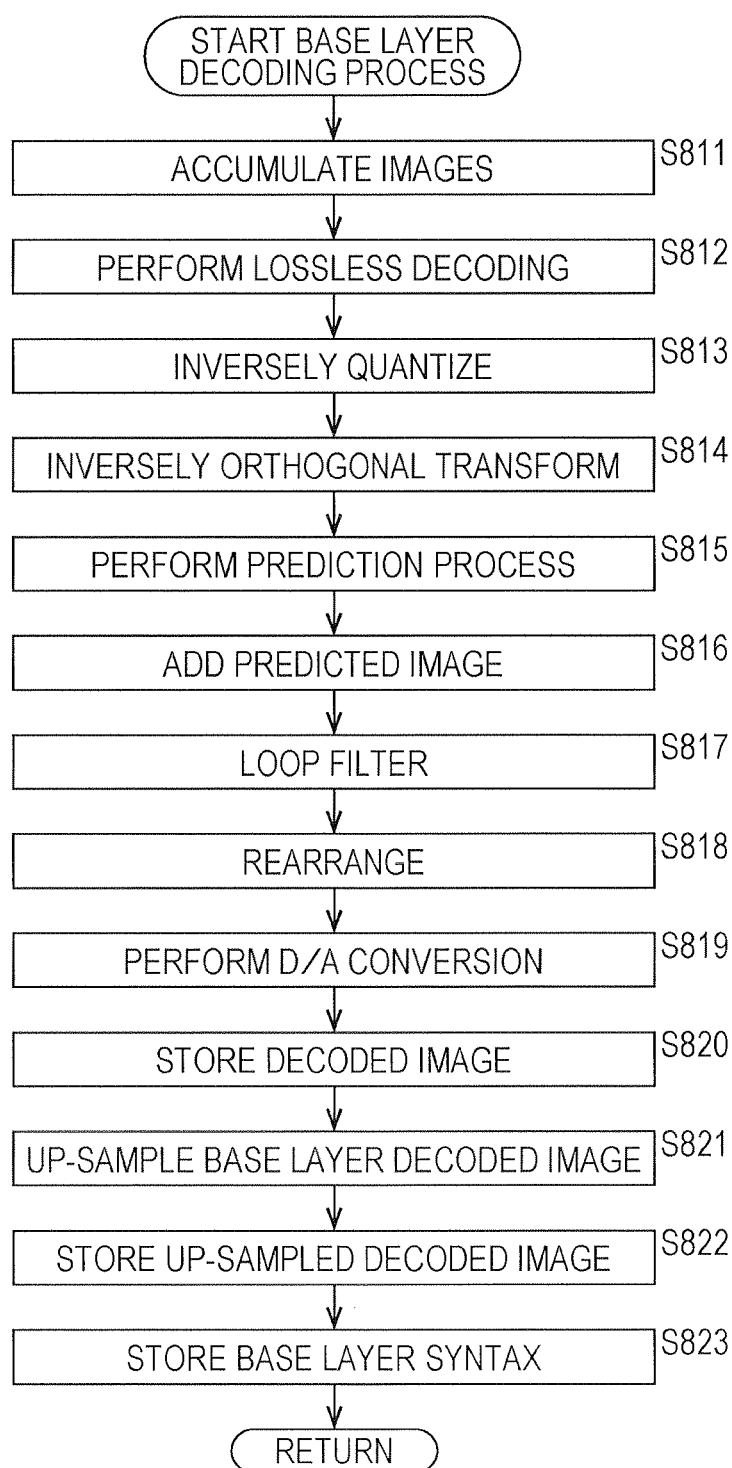
FIG. 51



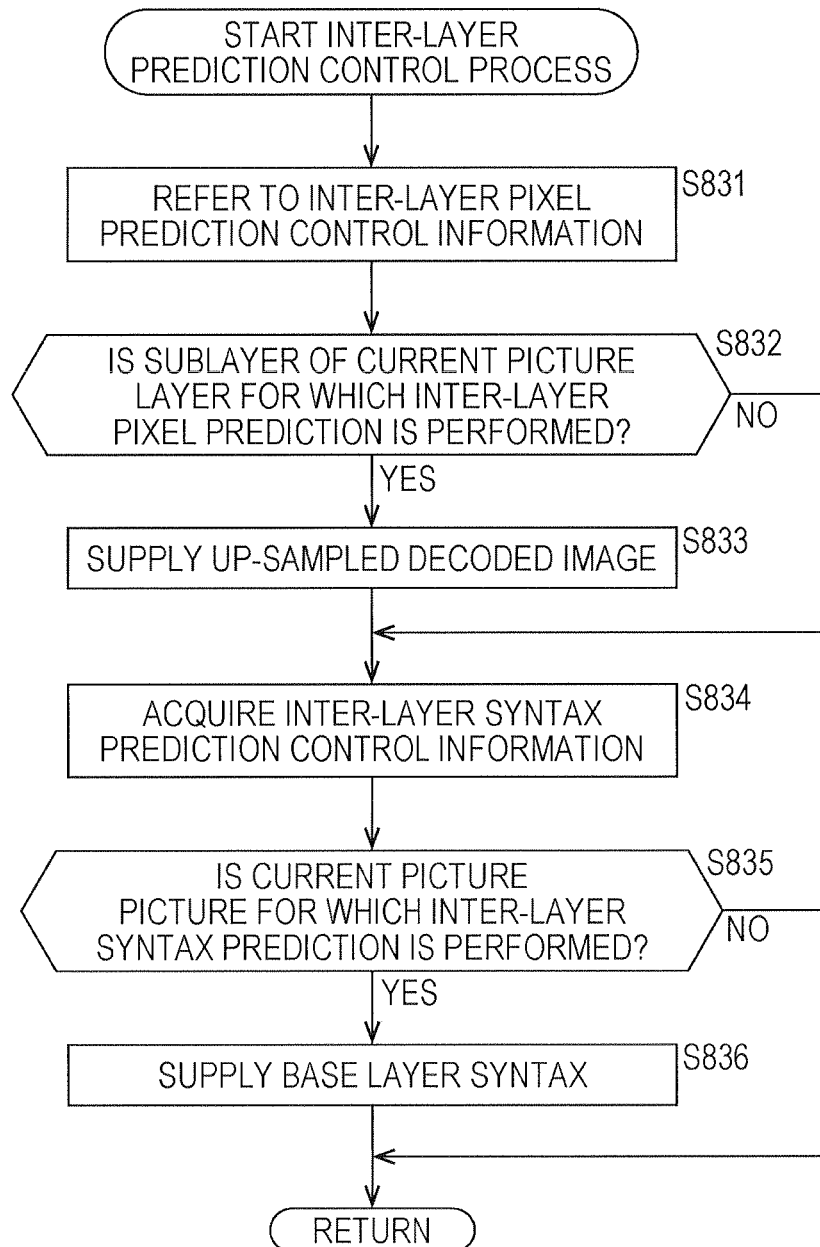
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FIG. 52

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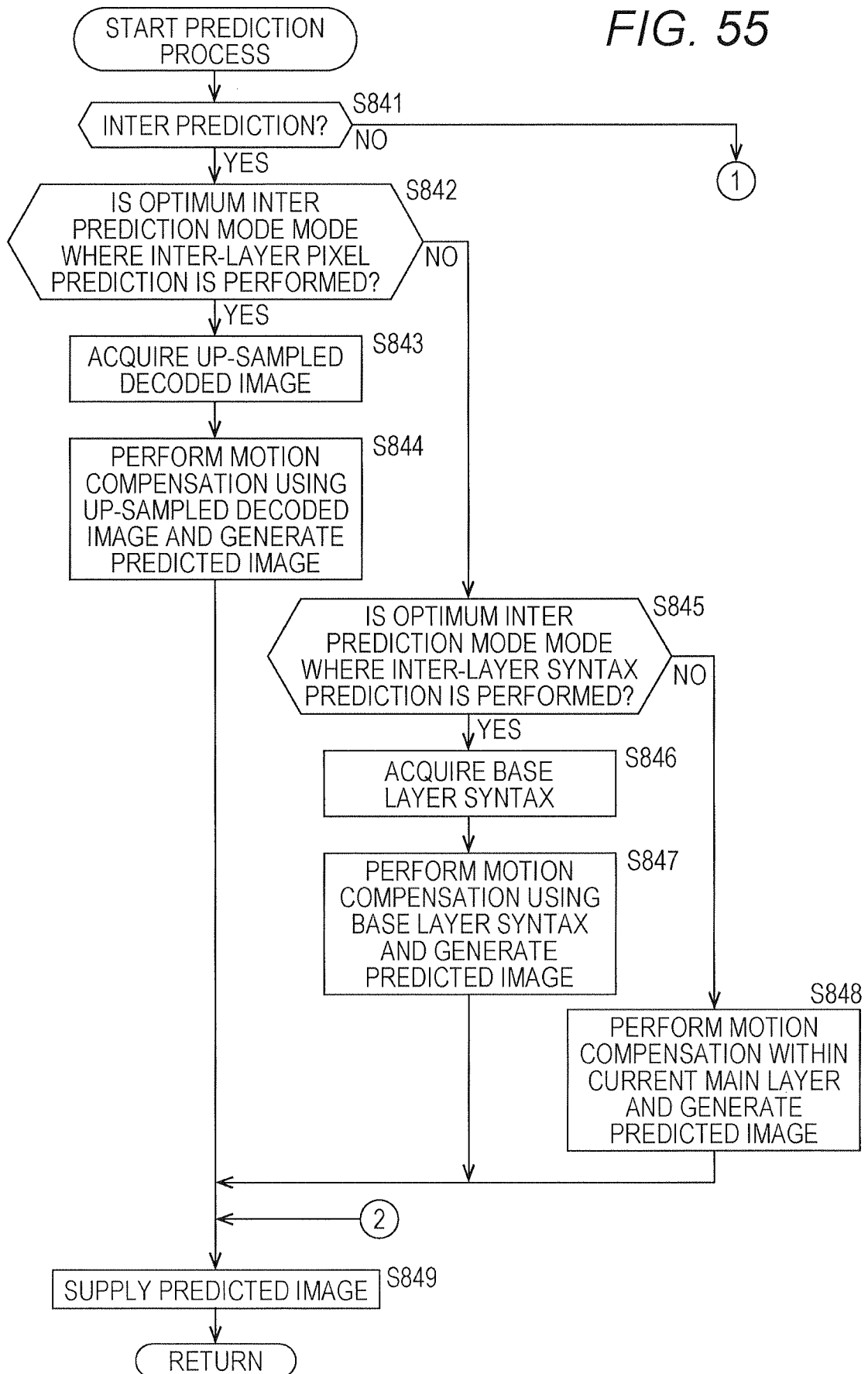
FIG. 53

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FIG. 54

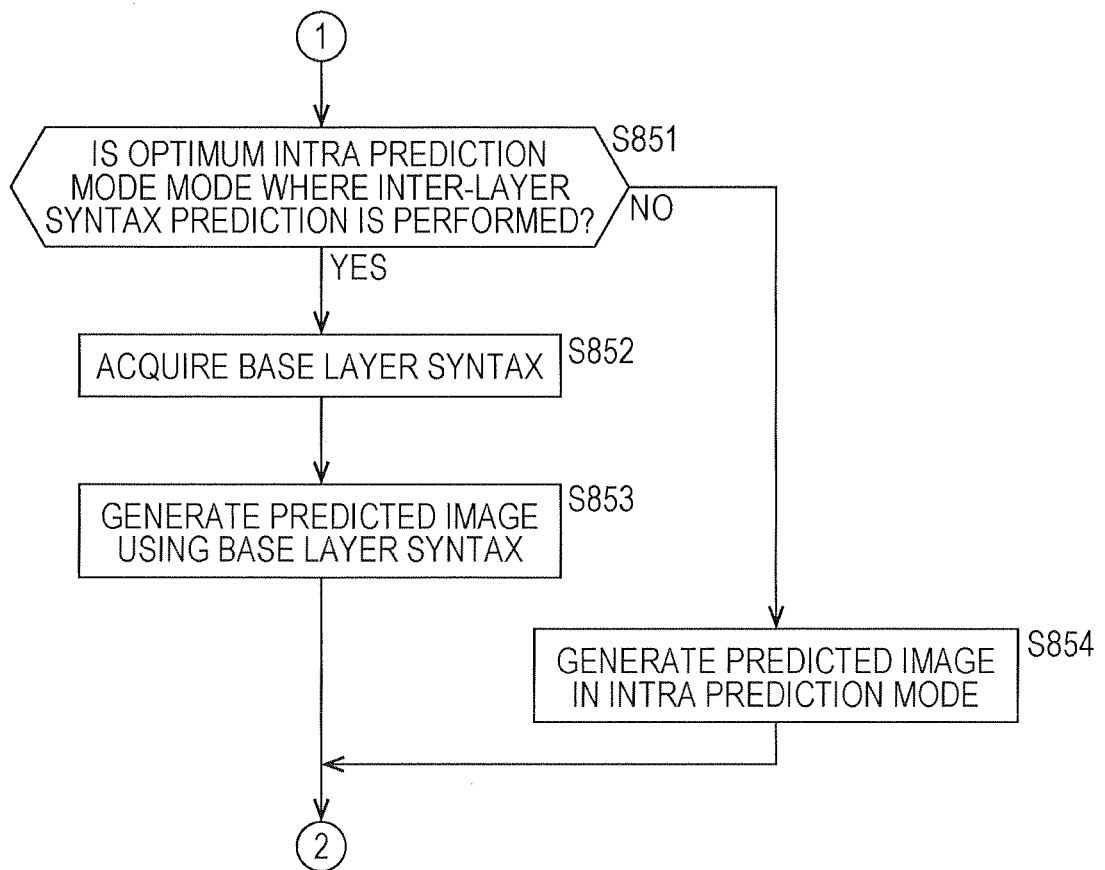
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FIG. 55



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FIG. 56



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FIG. 57

seq_parameter_set_rbsp() {	Descriptor
sps_video_parameter_set_id	u(4)
sps_max_sub_layers_minus1	u(3)
sps_temporal_id_nesting_flag	u(1)
profile_tier_level(sps_max_sub_layers_minus1)	
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_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)
}	
bit_depth_luma_minus8	ue(v)
bit_depth_chroma_minus8	ue(v)
log2_max_pic_order_cnt_lsb_minus4	ue(v)
sps_sub_layer_ordering_info_present_flag	u(1)
for(i=(sps_sub_layer_ordering_info_present_flag?0:sps_max_sub_layers_minus1); i<=sps_max_sub_layers_minus1;i++) {	
sps_max_dec_pic_buffering_minus1[i]	ue(v)
sps_max_num_reorder_pics[i]	ue(v)
sps_max_latency_increase_plus1[i]	ue(v)
}	
log2_min_luma_coding_block_size_minus3	ue(v)
log2_diff_max_min_luma_coding_block_size	ue(v)
log2_min_transform_block_size_minus2	ue(v)
log2_diff_max_min_transform_block_size	ue(v)
max_transform_hierarchy_depth_inter	ue(v)
max_transform_hierarchy_depth_intra	ue(v)
scaling_list_enabled_flag	u(1)
if(scaling_list_enabled_flag) {	
sps_scaling_list_data_present_flag	u(1)
if(sps_scaling_list_data_present_flag)	
scaling_list_data()	
}	
amp_enabled_flag	u(1)
sample_adaptive_offset_enabled_flag	u(1)
pcm_enabled_flag	u(1)
if(pcm_enabled_flag) {	

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FIG. 58

pcm_sample_bit_depth_luma_minus1	u(4)
pcm_sample_bit_depth_chroma_minus1	u(4)
log2_min_pcm_luma_coding_block_size_minus3	ue(v)
log2_diff_max_min_pcm_luma_coding_block_size	ue(v)
pcm_loop_filter_disabled_flag	u(1)
}	
num_short_term_ref_pic_sets	ue(v)
for(i=0;i<num_short_term_ref_pic_sets;i++)	
short_term_ref_pic_set(i)	
long_term_ref_pics_present_flag	u(1)
if(long_term_ref_pics_present_flag){	
num_long_term_ref_pics_sps	ue(v)
for(i=0;i<num_long_term_ref_pics_sps;i++){	
lt_ref_pic_poc_lsb_sps[i]	u(v)
used_by_curr_pic_lt_sps_flag[i]	u(1)
}	
}	
sps_temporal_mvp_enabled_flag	u(1)
strong_intra_smoothing_enabled_flag	u(1)
vui_parameters_present_flag	u(1)
if(vui_parameters_present_flag)	
vui_parameters()	
sps_extension_flag	u(1)
if(sps_extension_flag){	
inter_view_mv_vert_constraint_flag	u(1)
sps_inter_layer_nfm_enable_flag	u(1)
while(more_rbsp_data())	
sps_extension_data_flag	u(1)
rbsp_trailing_bits()	
}	
}	

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FIG. 59

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)	
short_term_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 {	
poc_lsb_lt[i]	u(v)
used_by_curr_pic_lt_flag[i]	u(1)
}	
delta_poc_msb_present_flag[i]	u(1)
if(delta_poc_msb_present_flag[i])	
delta_poc_msb_cycle_lt[i]	ue(v)
}	
}	
if(sps_temporal_mvp_enabled_flag)	

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FIG. 60

slice_temporal_mvp_enabled_flag	u(1)
}	
if(sample_adaptive_offset_enabled_flag) {	
slice_sao_luma_flag	u(1)
slice_sao_chroma_flag	u(1)
}	
if(slice_type == P slice_type == B) {	
num_ref_idx_active_override_flag	u(1)
if(num_ref_idx_active_override_flag) {	
num_ref_idx_l0_active_minus1	ue(v)
if(slice_type == B)	
num_ref_idx_l1_active_minus1	ue(v)
}	
if(lists_modification_present_flag && NumPocTotalCurr>1)	
ref_pic_lists_modification()	
if(slice_type == B)	
mvd_l1_zero_flag	u(1)
if(cabac_init_present_flag)	
cabac_init_flag	u(1)
if(slice_temporal_mvp_enabled_flag) {	
if(slice_type == B)	
collocated_from_l0_flag	u(1)
if((collocated_from_l0_flag && num_ref_idx_l0_active_minus1>0)	
(!collocated_from_l0_flag && num_ref_idx_l1_active_minus1>0))	
collocated_ref_idx	ue(v)
}	
if((weighted_pred_flag && slice_type == P)	
(weighted_bipred_flag && slice_type == B))	
pred_weight_table()	
five_minus_max_num_merge_cand	ue(v)
}	
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(deblocking_filter_override_enabled_flag)	
deblocking_filter_override_flag	u(1)
if(deblocking_filter_override_flag) {	
slice_deblocking_filter_disabled_flag	u(1)
if(!slice_deblocking_filter_disabled_flag) {	
slice_beta_offset_div2	se(v)
slice_tc_offset_div2	se(v)
}	

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FIG. 61

}	
if(pps_loop_filter_across_slices_enabled_flag && (slice_sao_luma_flag slice_sao_chroma_flag !slice_deblocking_filter_disabled_flag))	
slice_loop_filter_across_slices_enabled_flag	u(1)
}	
if(tiles_enabled_flag entropy_coding_sync_enabled_flag) {	
num_entry_point_offsets	ue(v)
if(num_entry_point_offsets>0) {	
offset_len_minus1	ue(v)
for(i=0; i<num_entry_point_offsets; i++)	
entry_point_offset_minus1[i]	u(v)
}	
}	
if(slice_segment_header_extension_present_flag) {	
slice_segment_header_extension_length	ue(v)
for(i=0; i<slice_segment_header_extension_length; i++)	
slice_segment_header_extension_data_byte[i]	u(8)
}	
byte_alignment()	
}	

FIG. 62

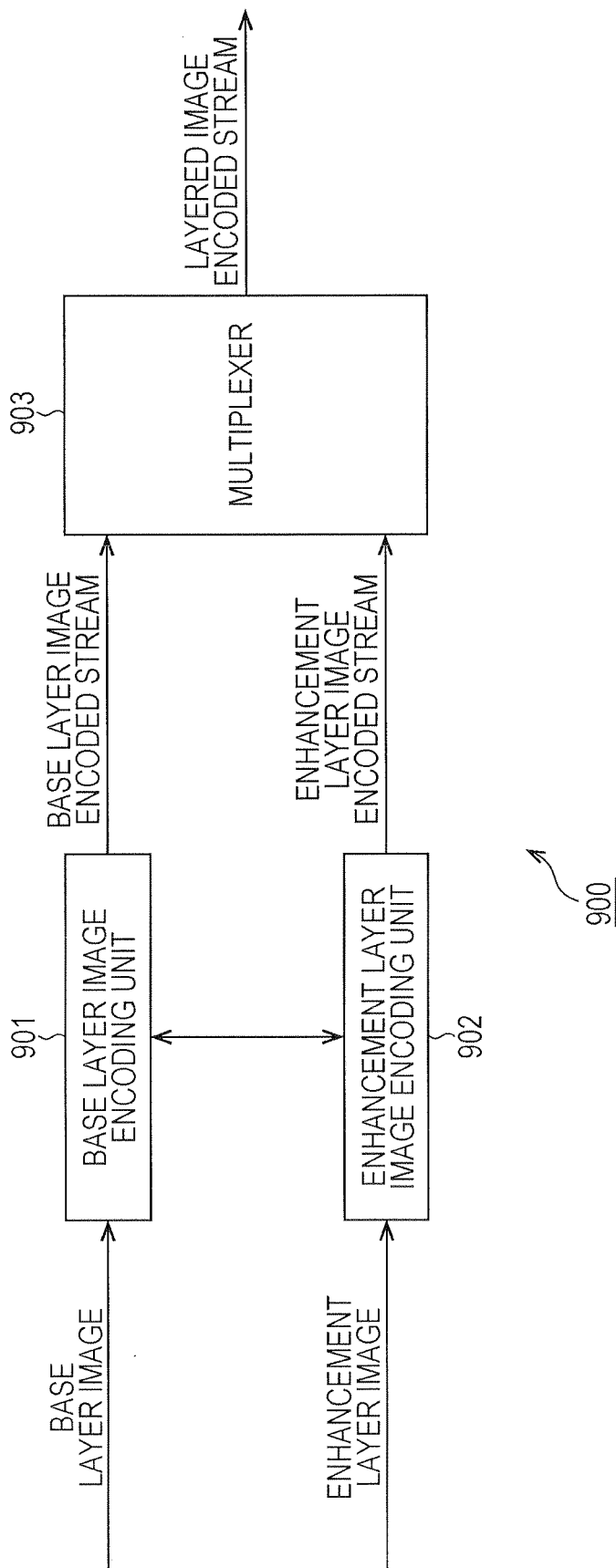
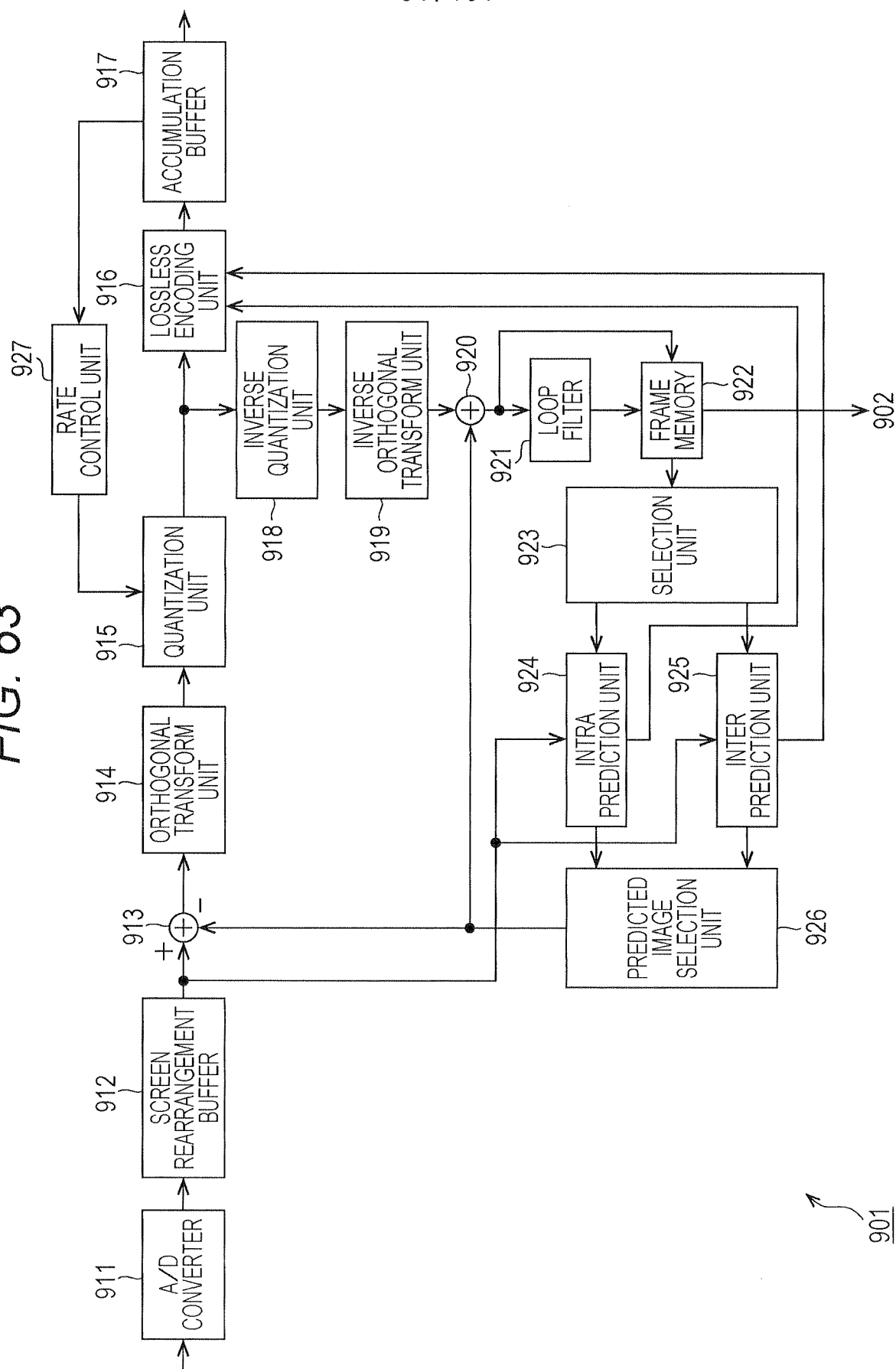
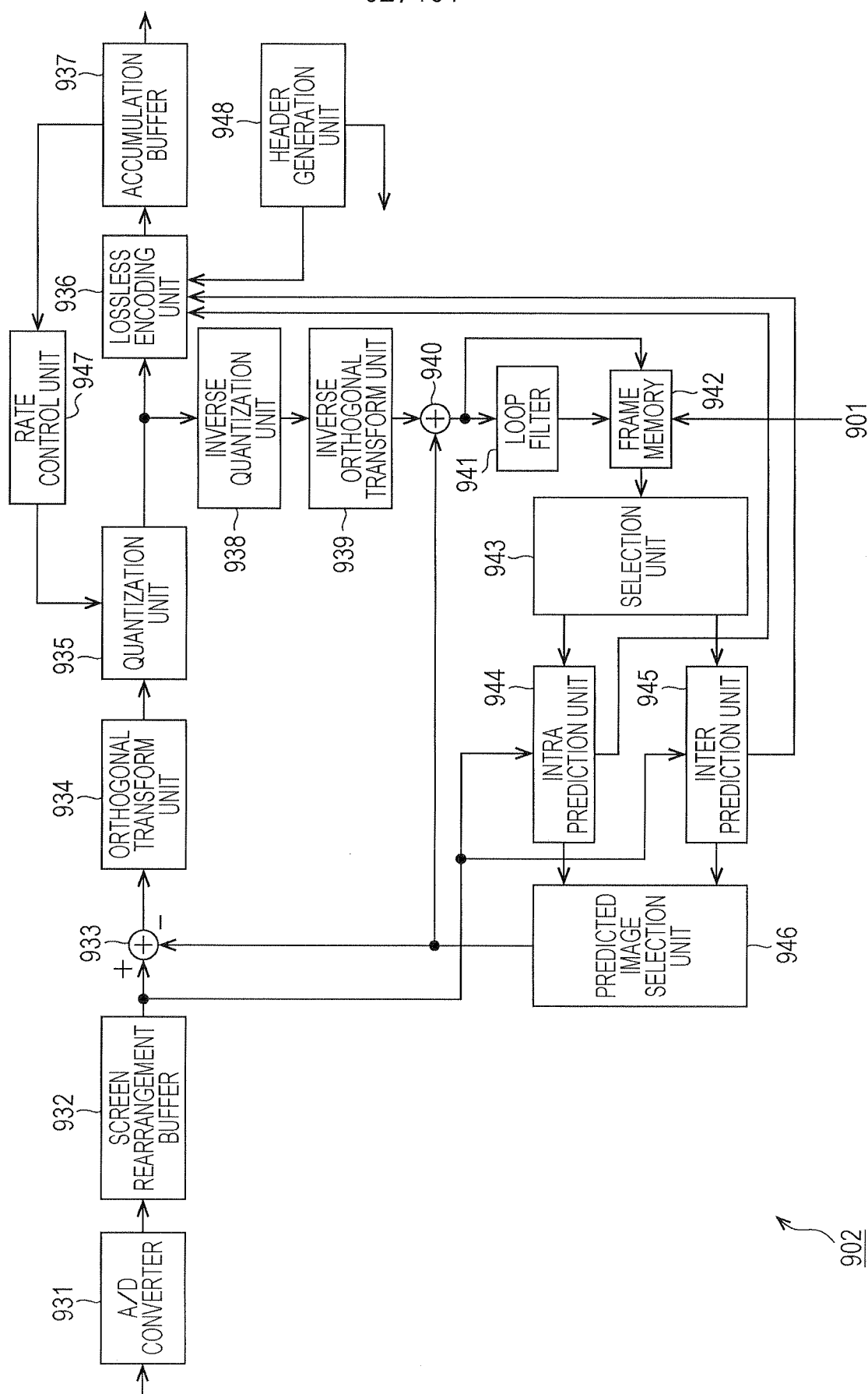


FIG. 63

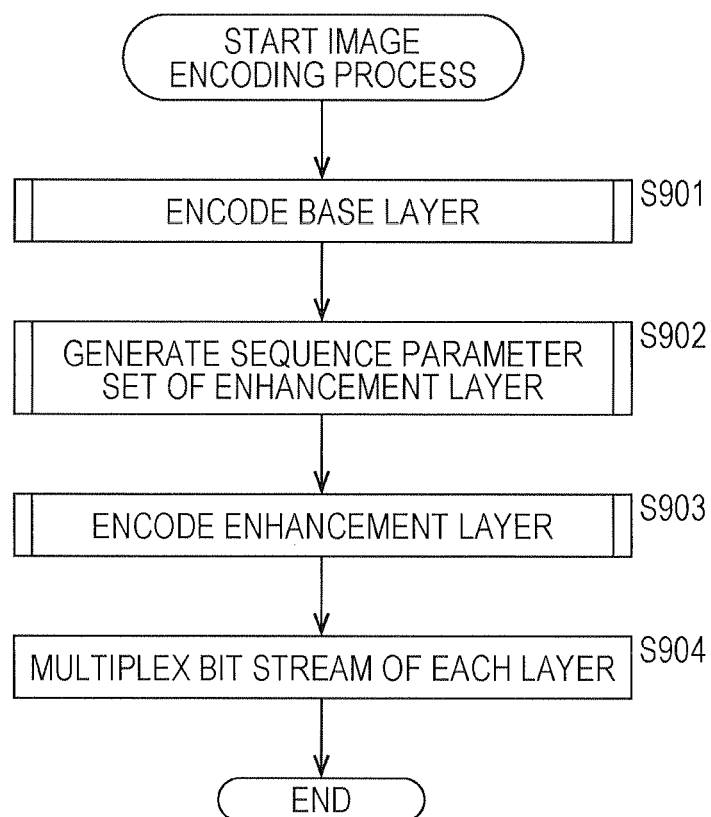


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FIG. 64

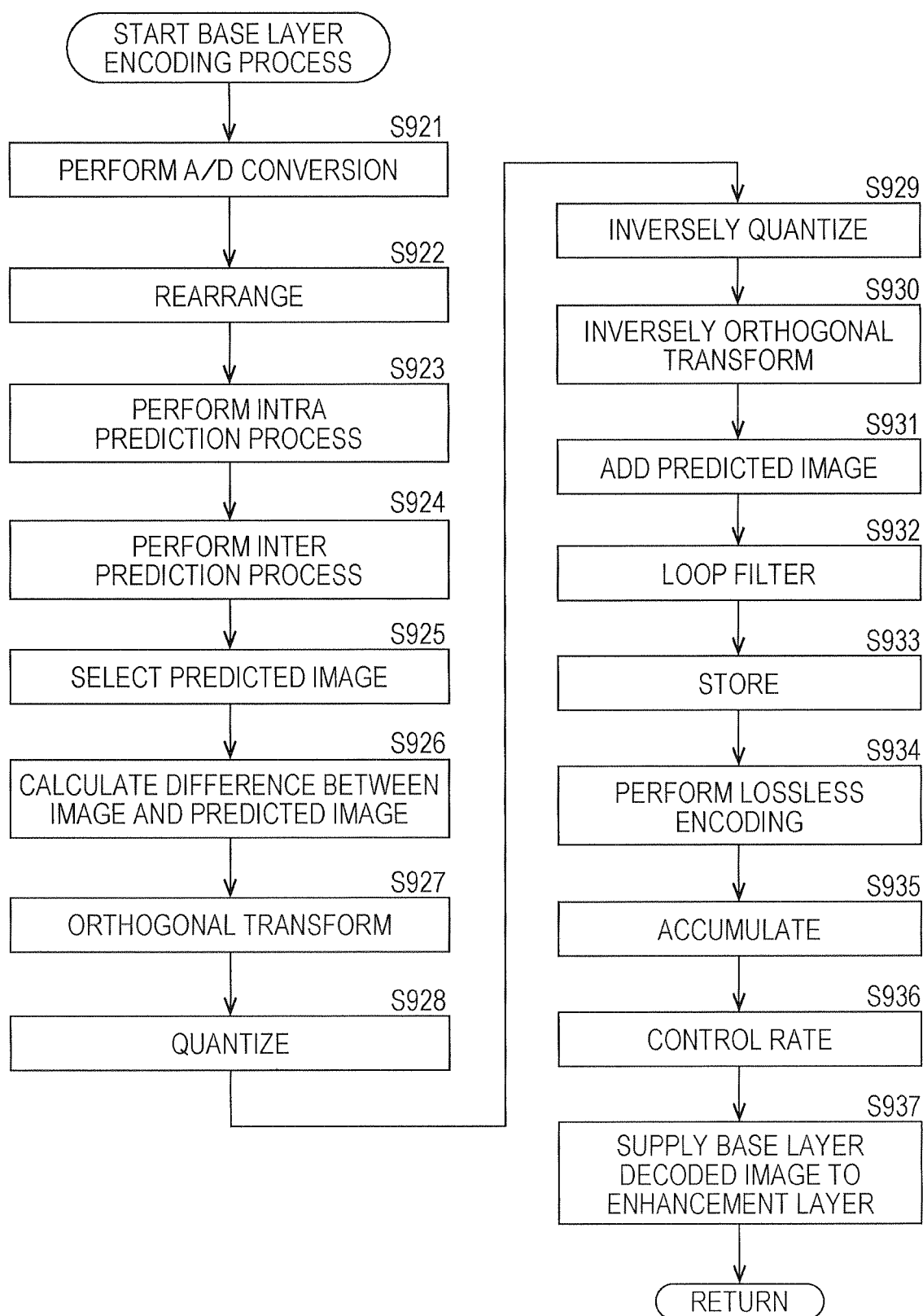


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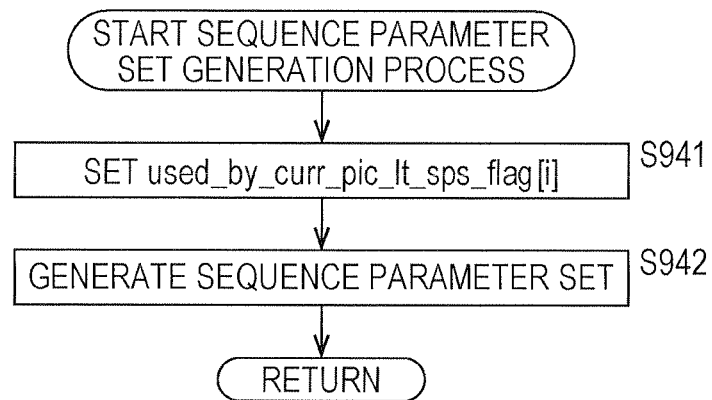
FIG. 65

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FIG. 66

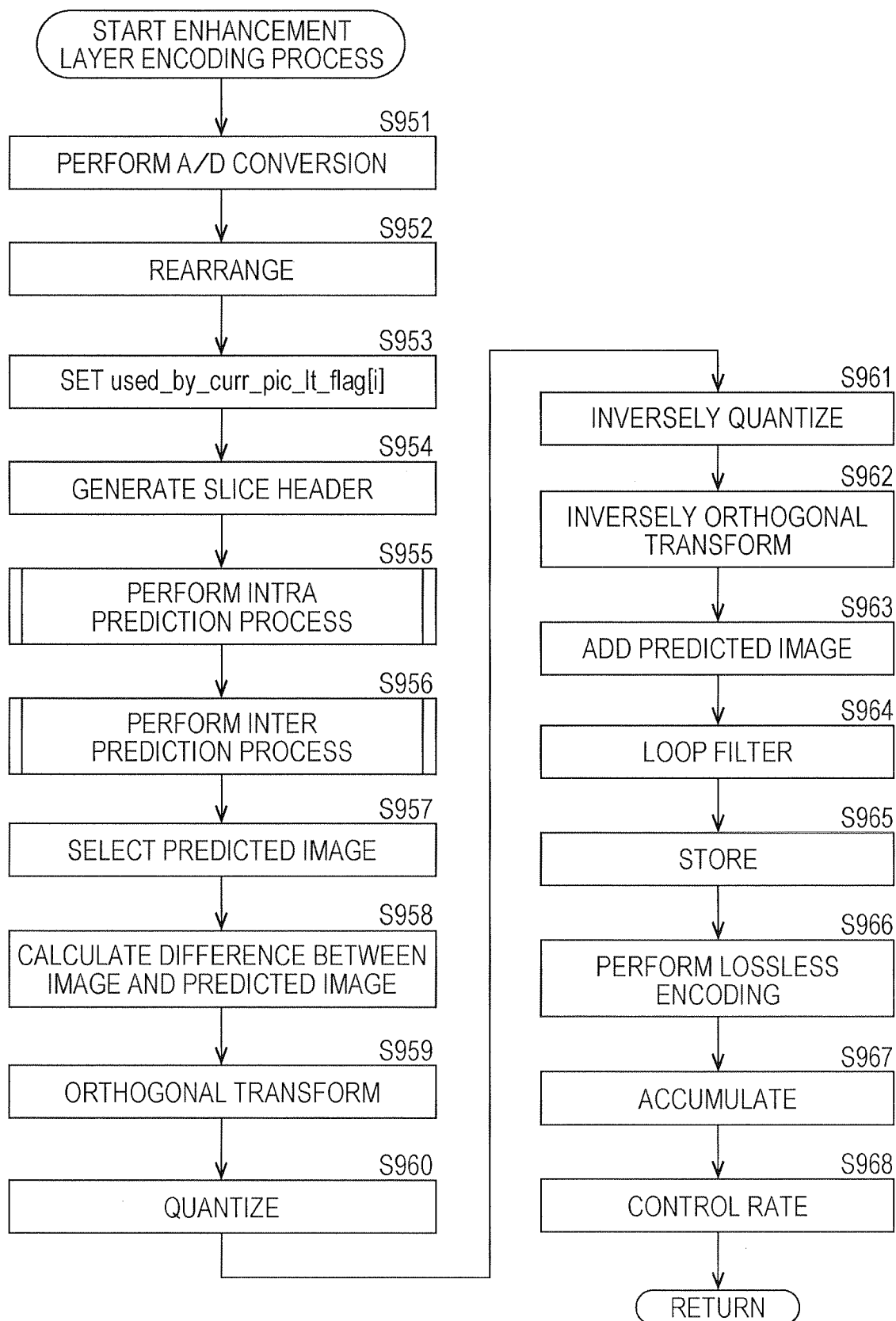


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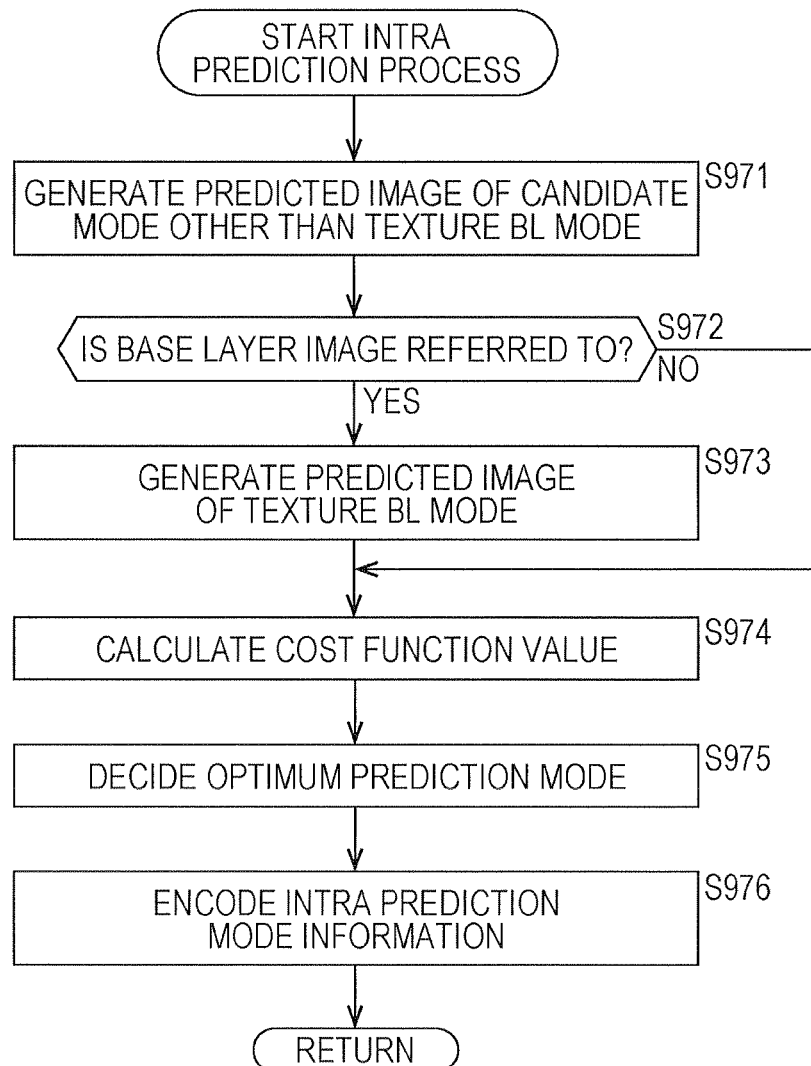
FIG. 67

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FIG. 68



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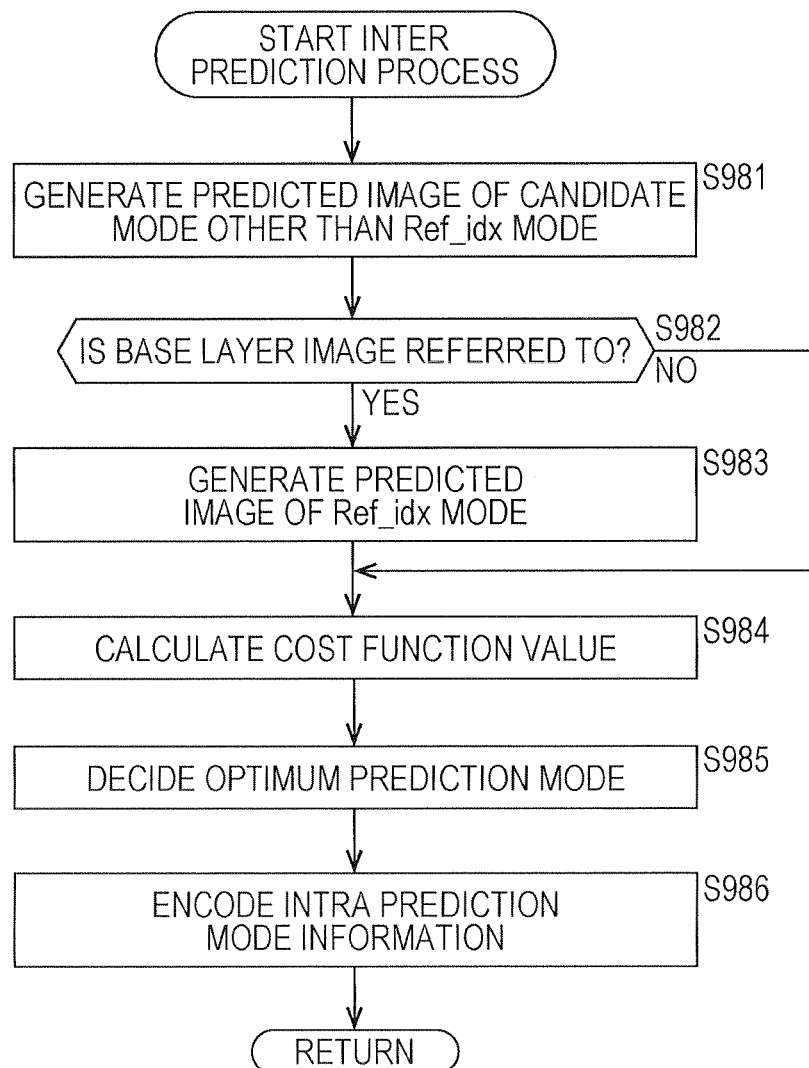
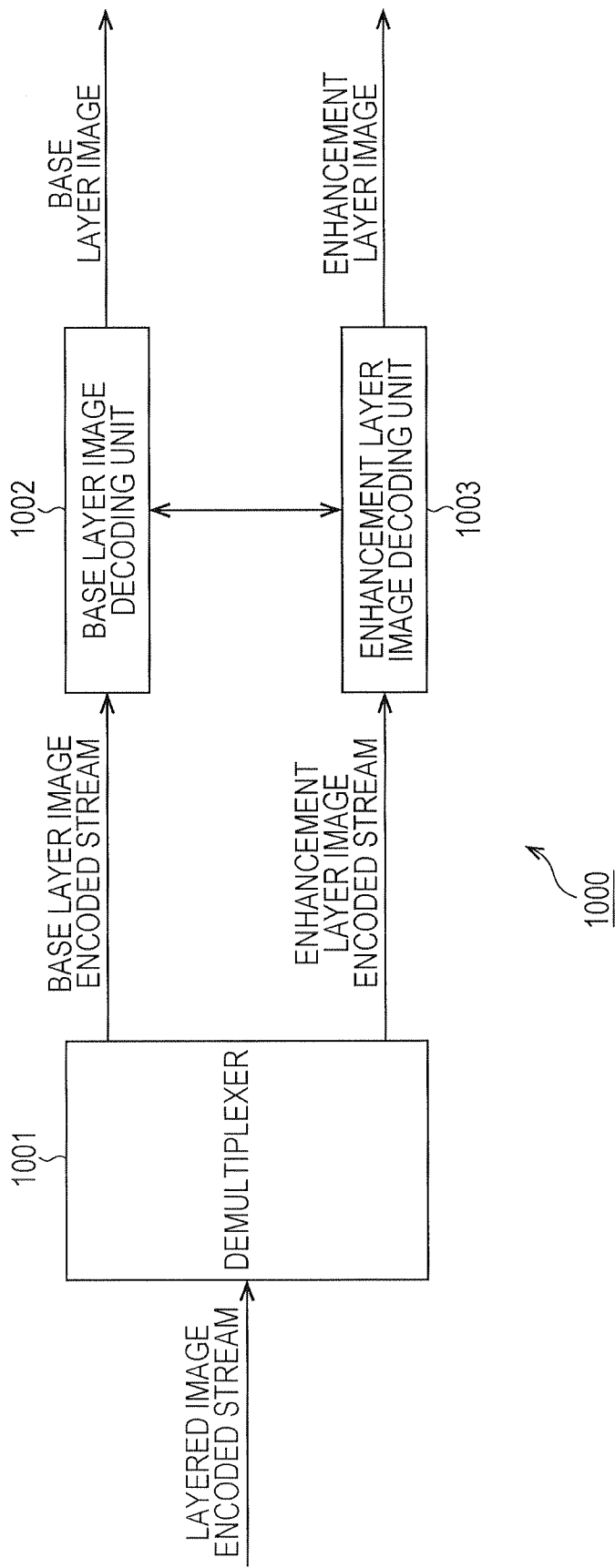
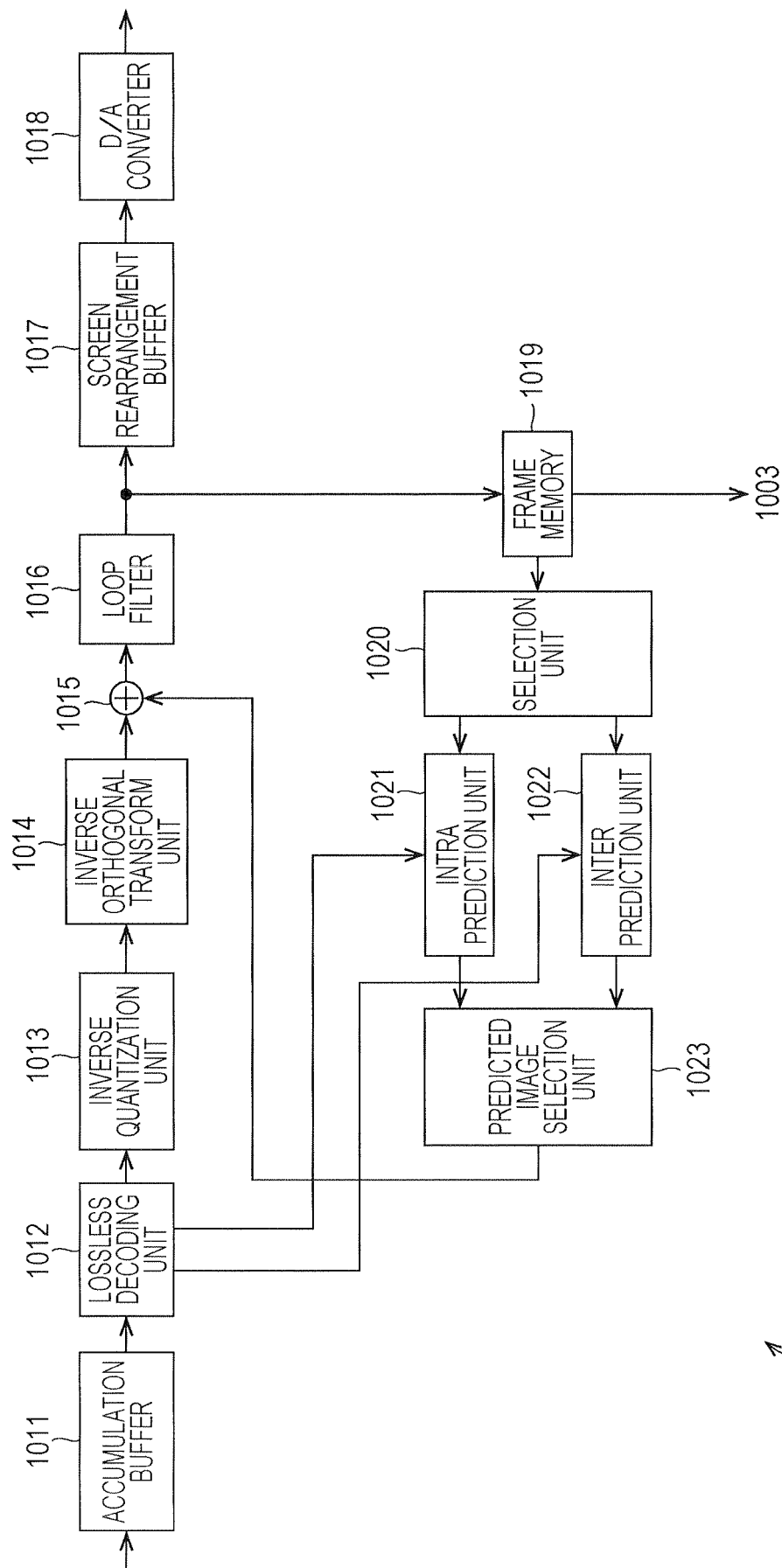
FIG. 70

FIG. 71



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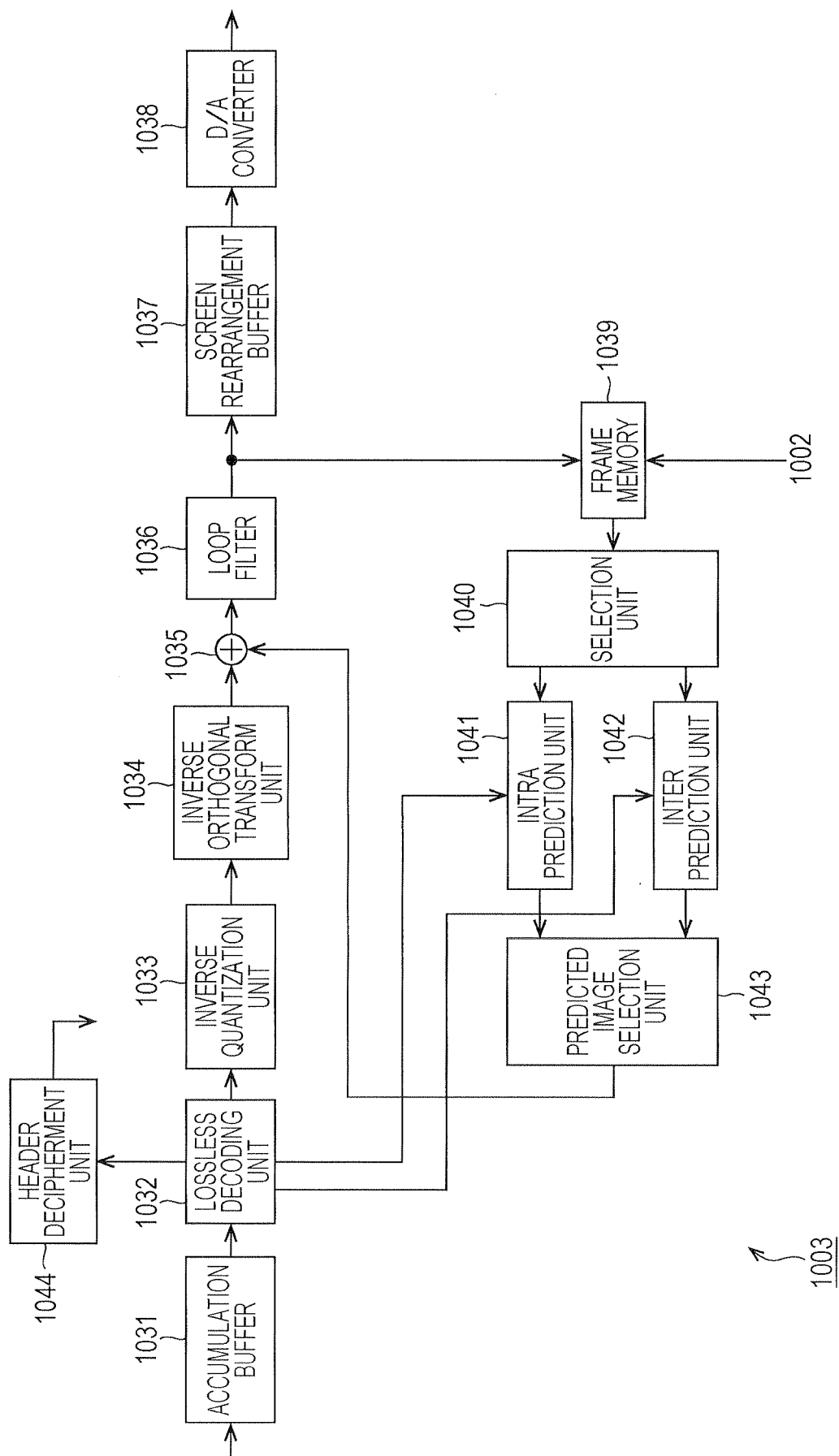
FIG. 72



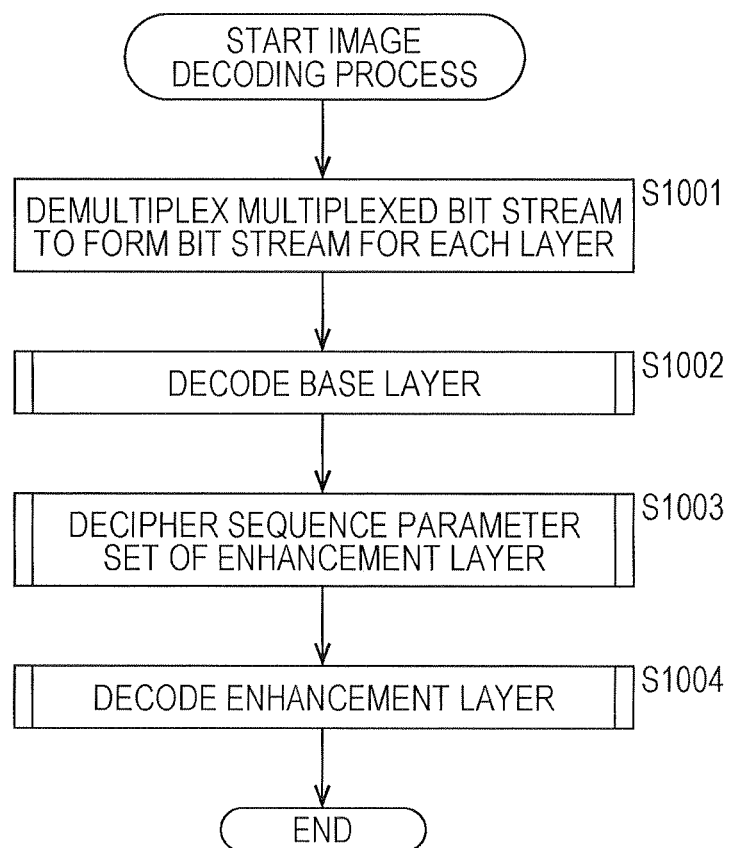
1002

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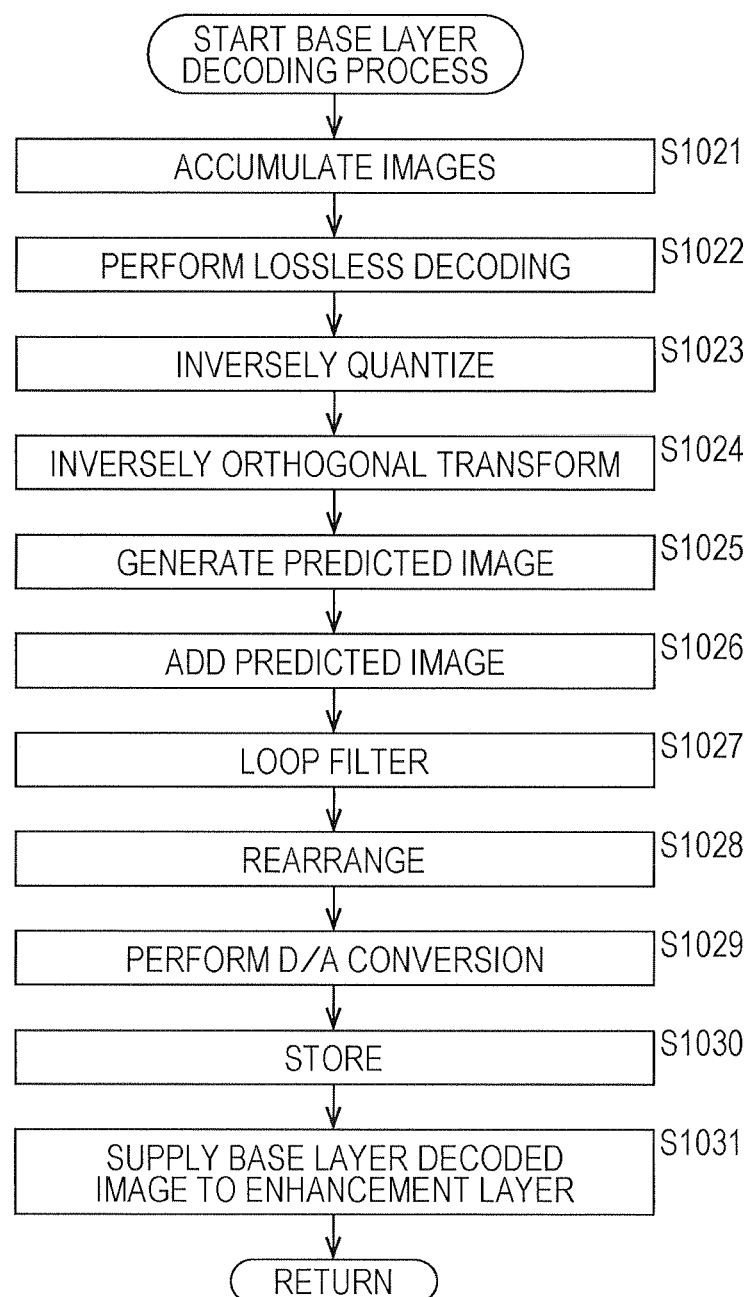
FIG. 73



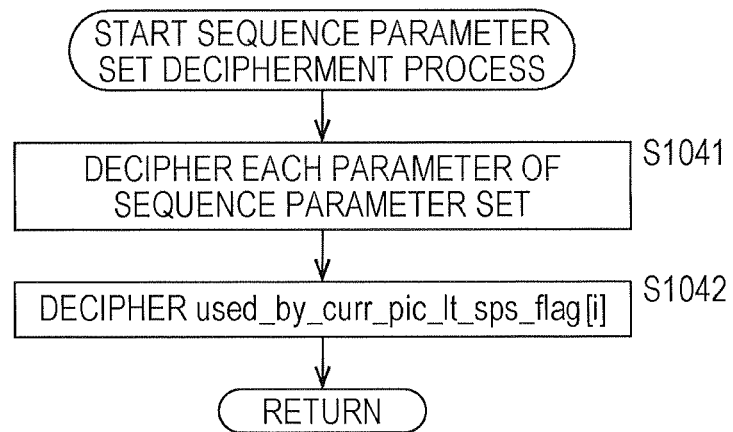
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FIG. 76

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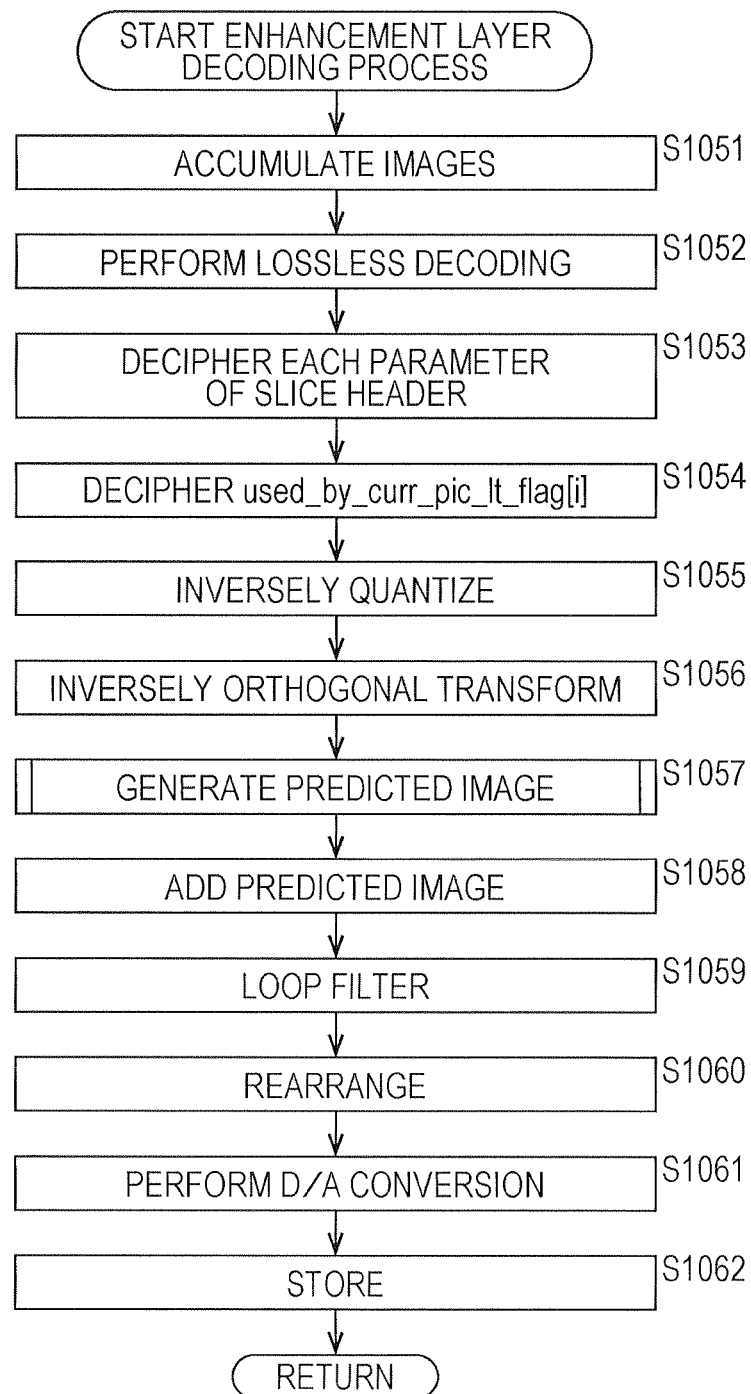
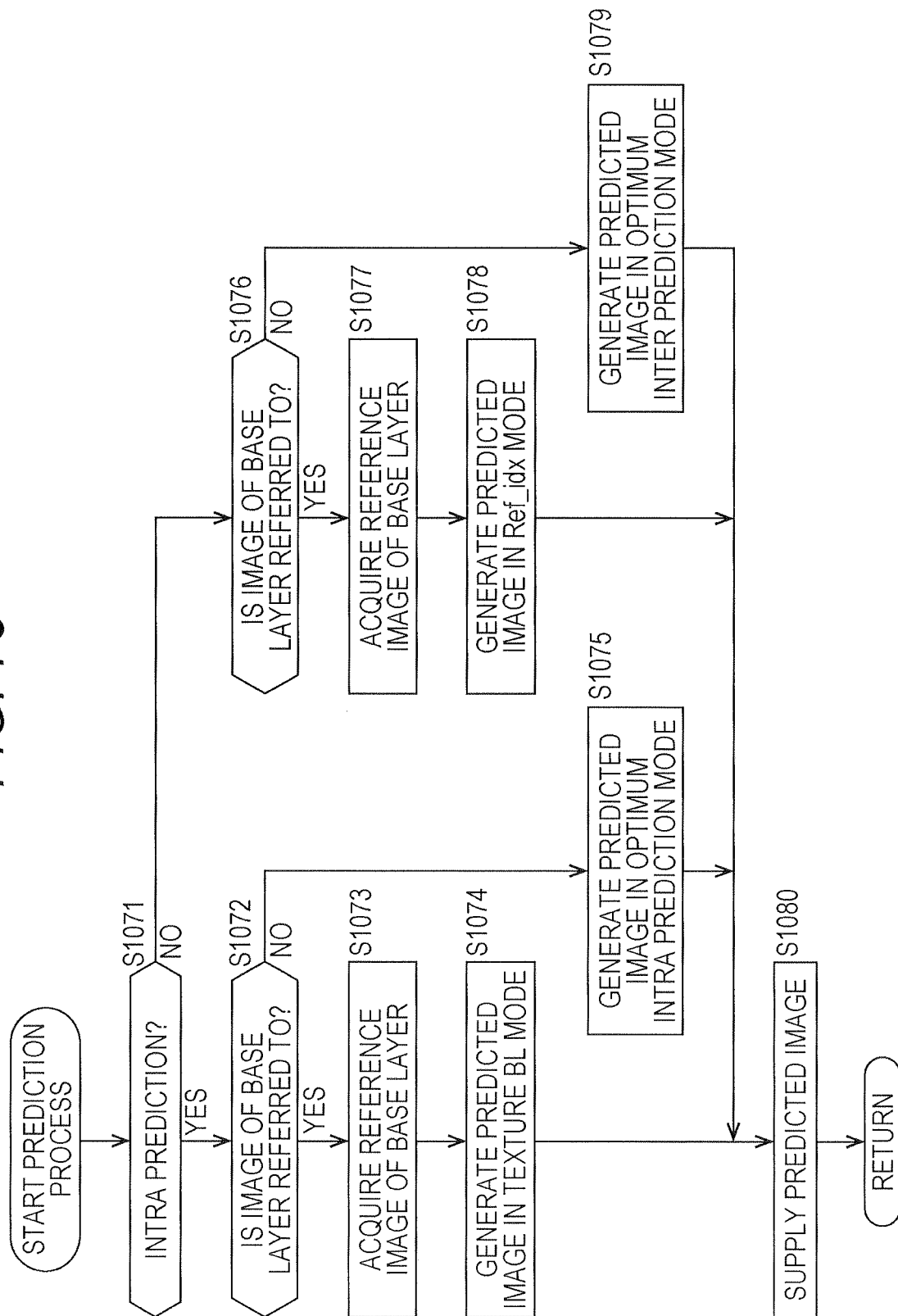
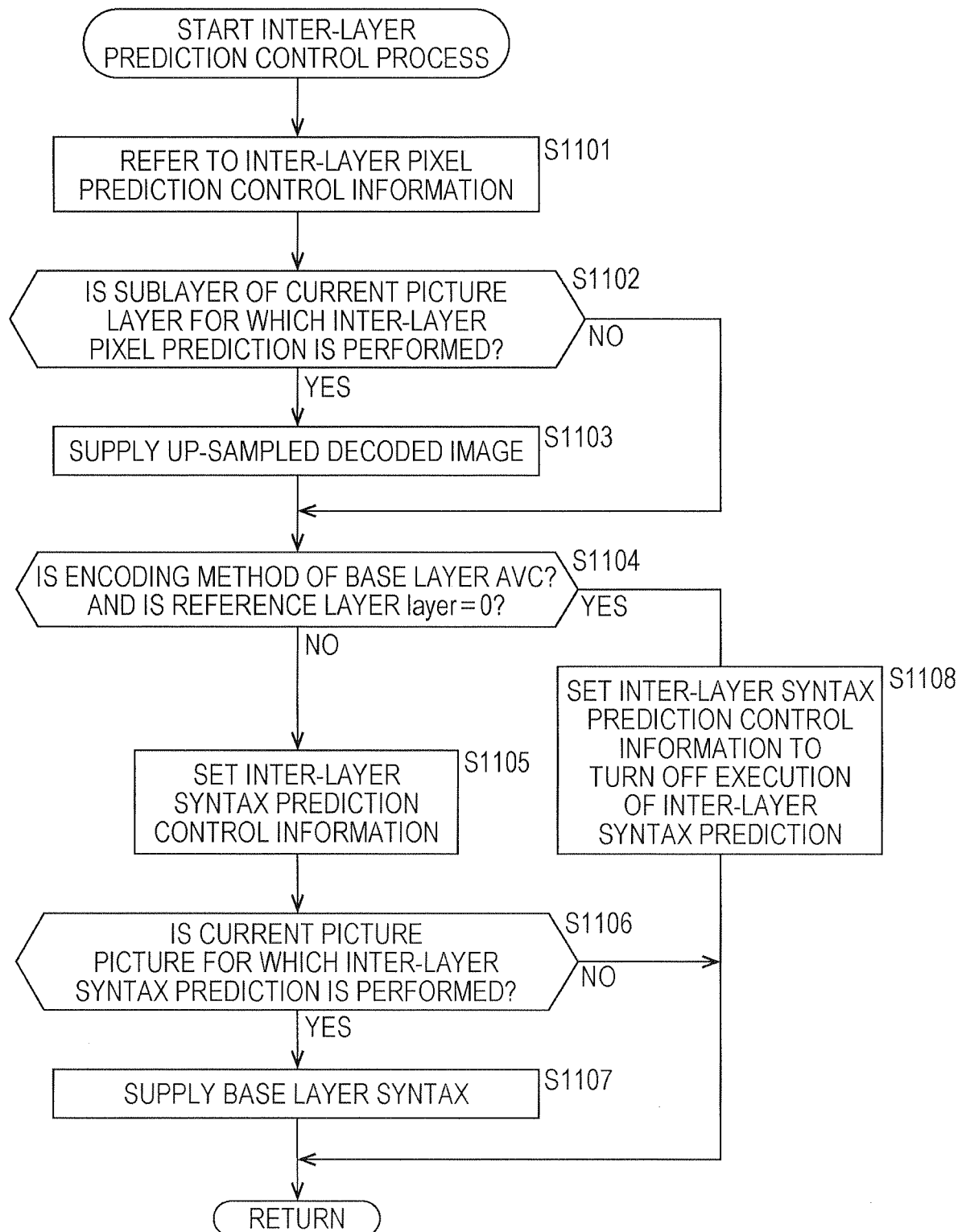
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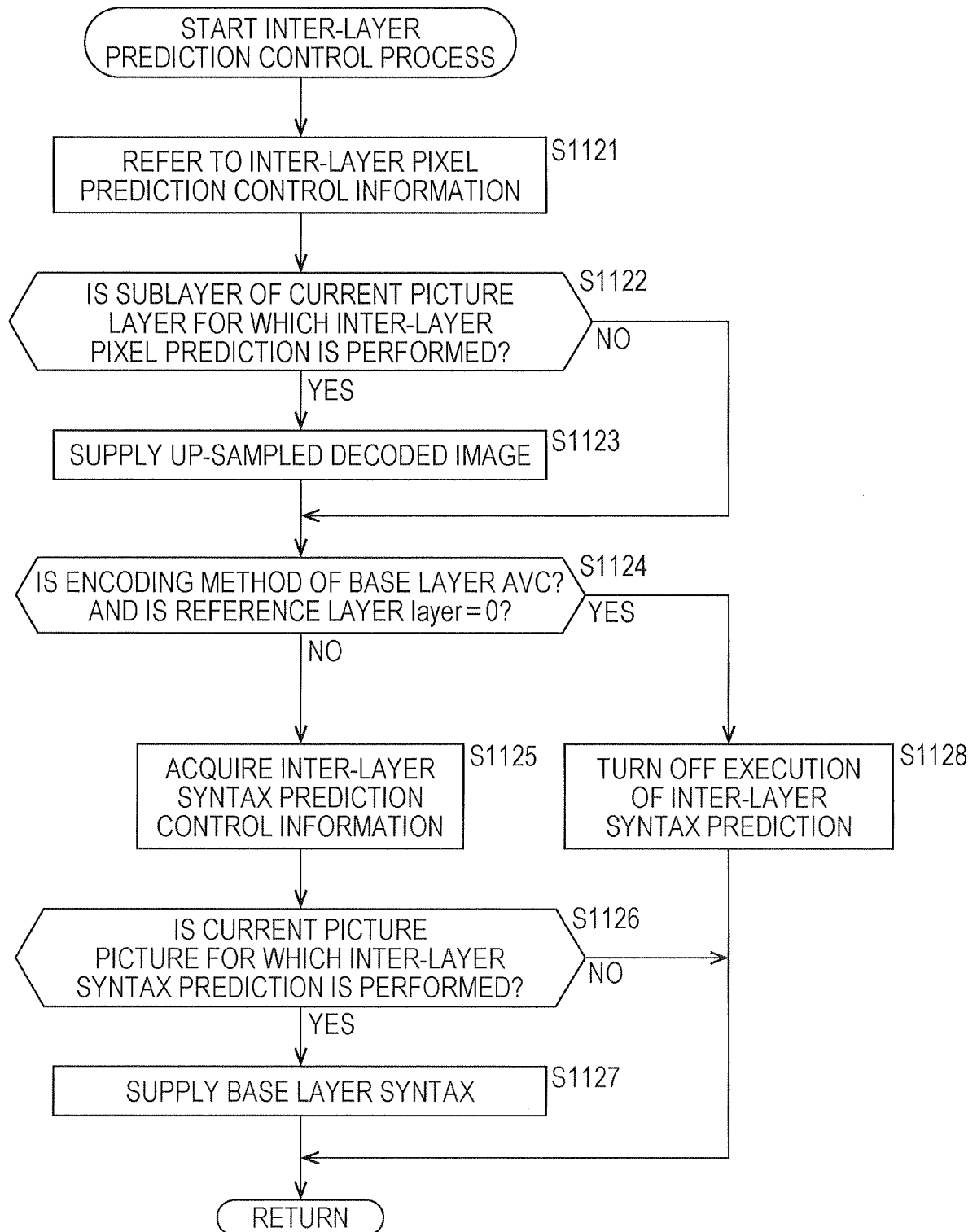
FIG. 80

FIG. 81

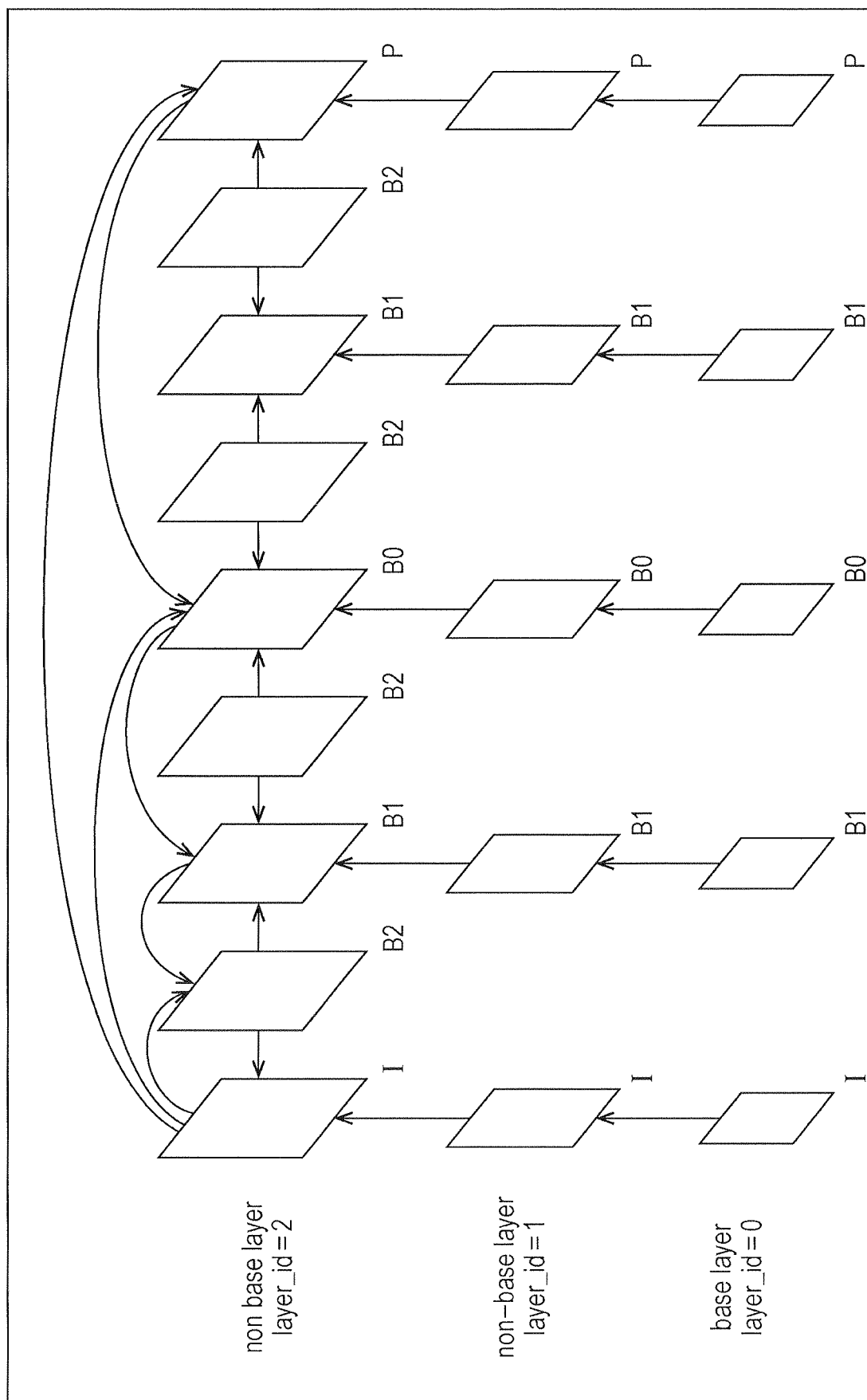


FIG. 82

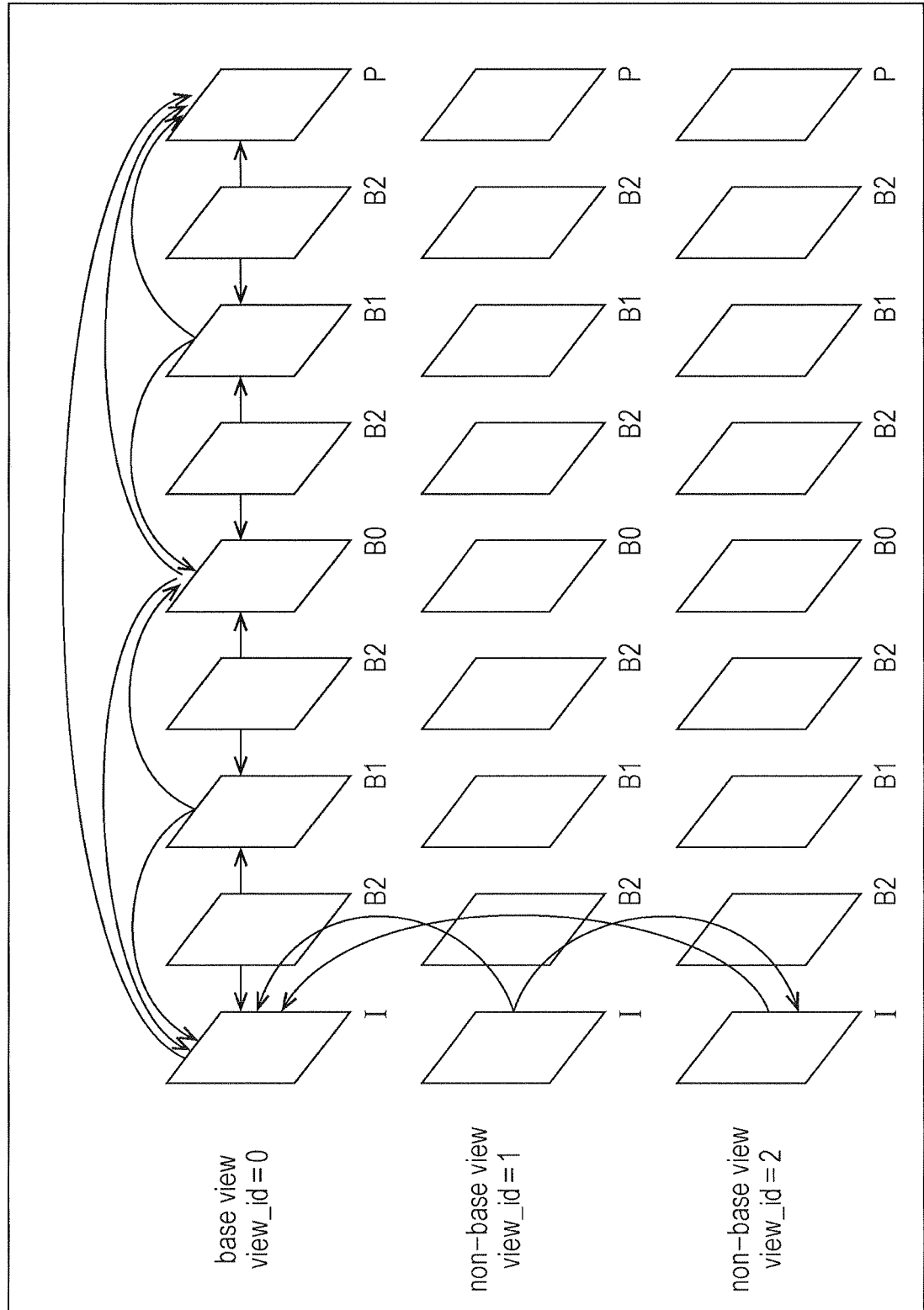


FIG. 83

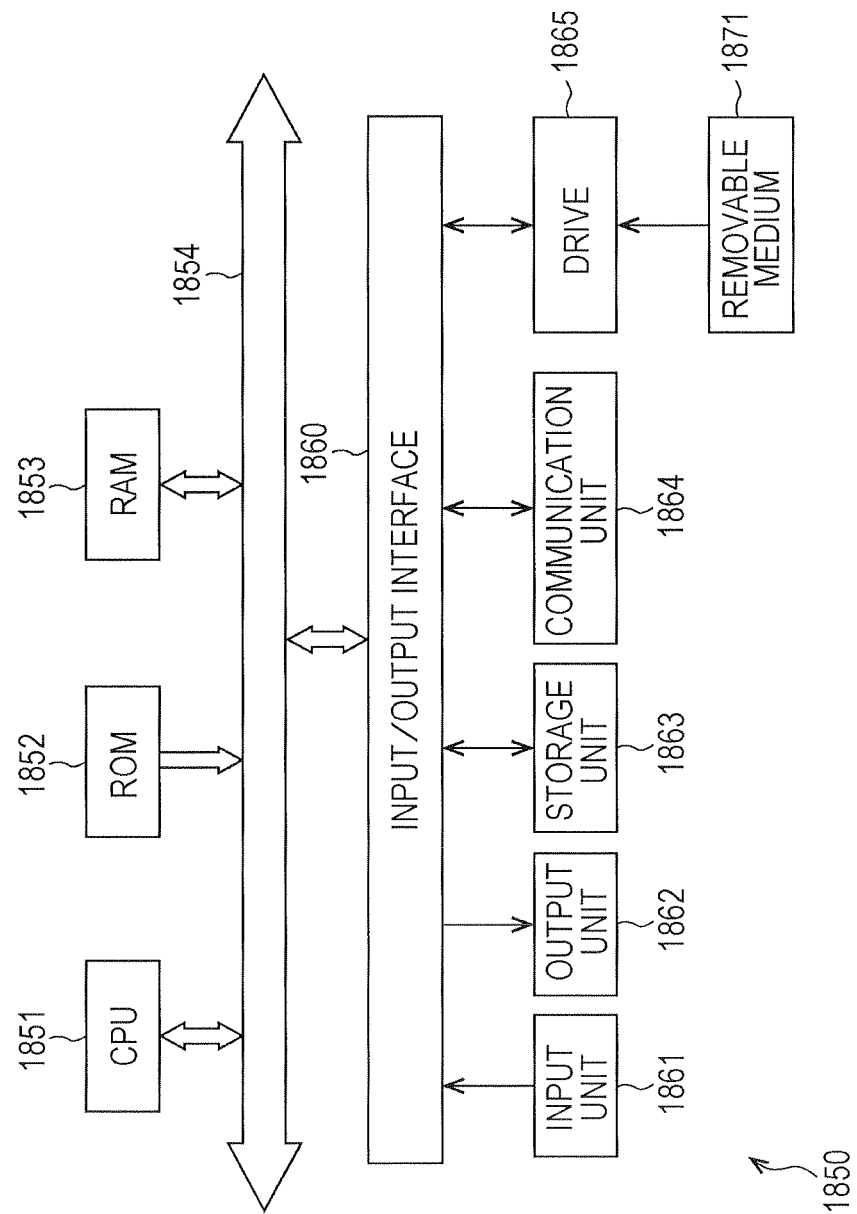
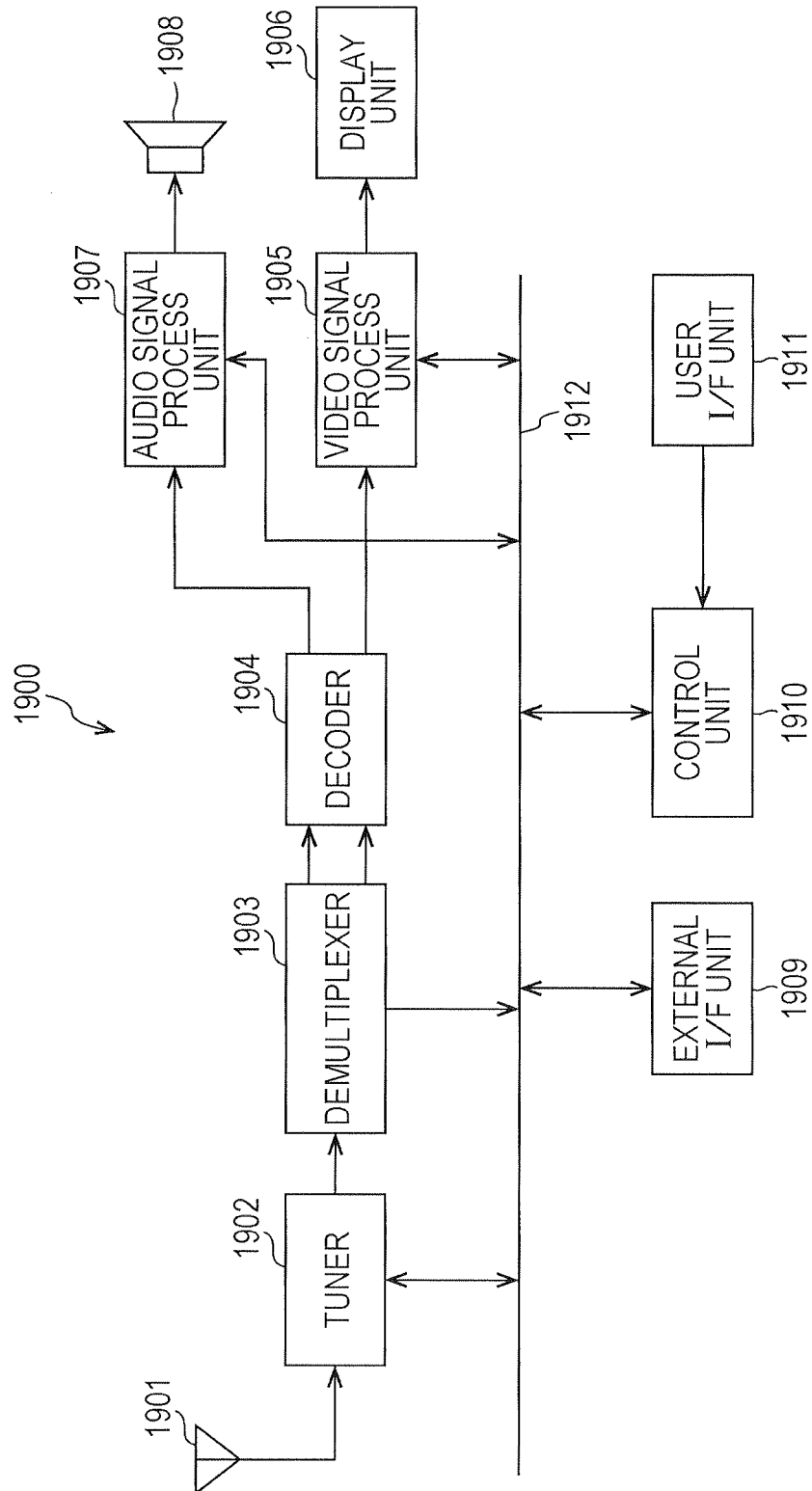
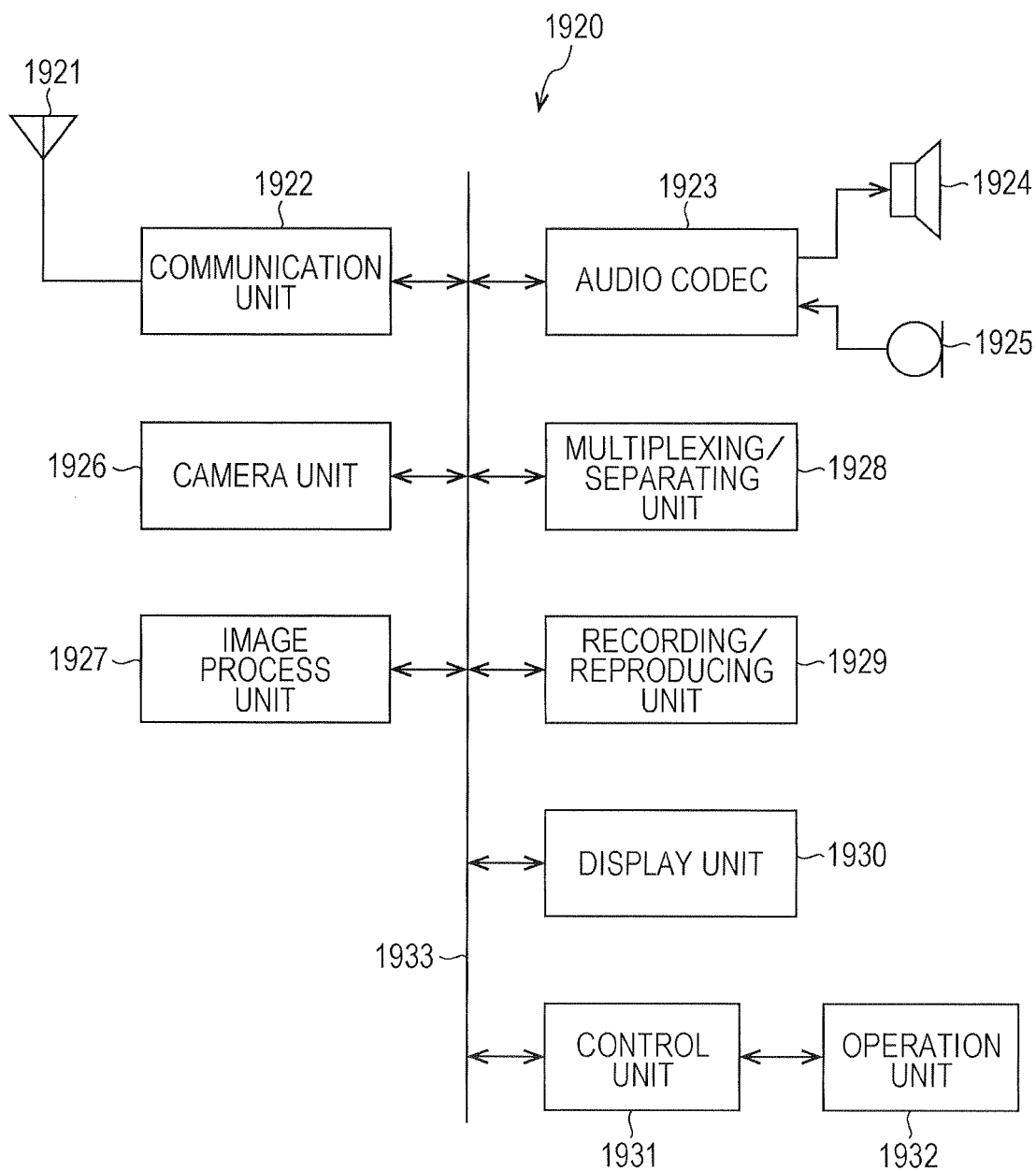


FIG. 84



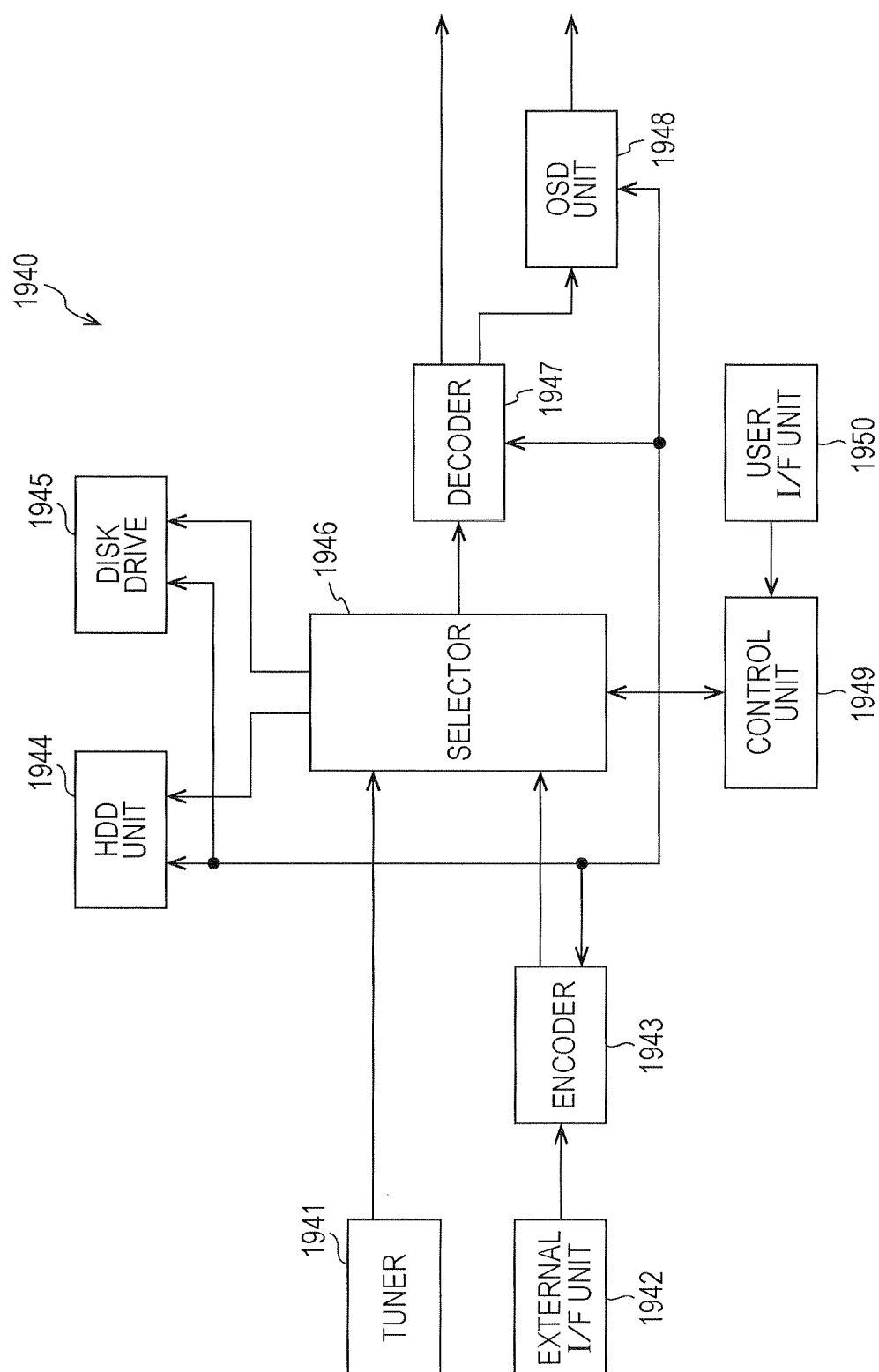
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FIG. 87

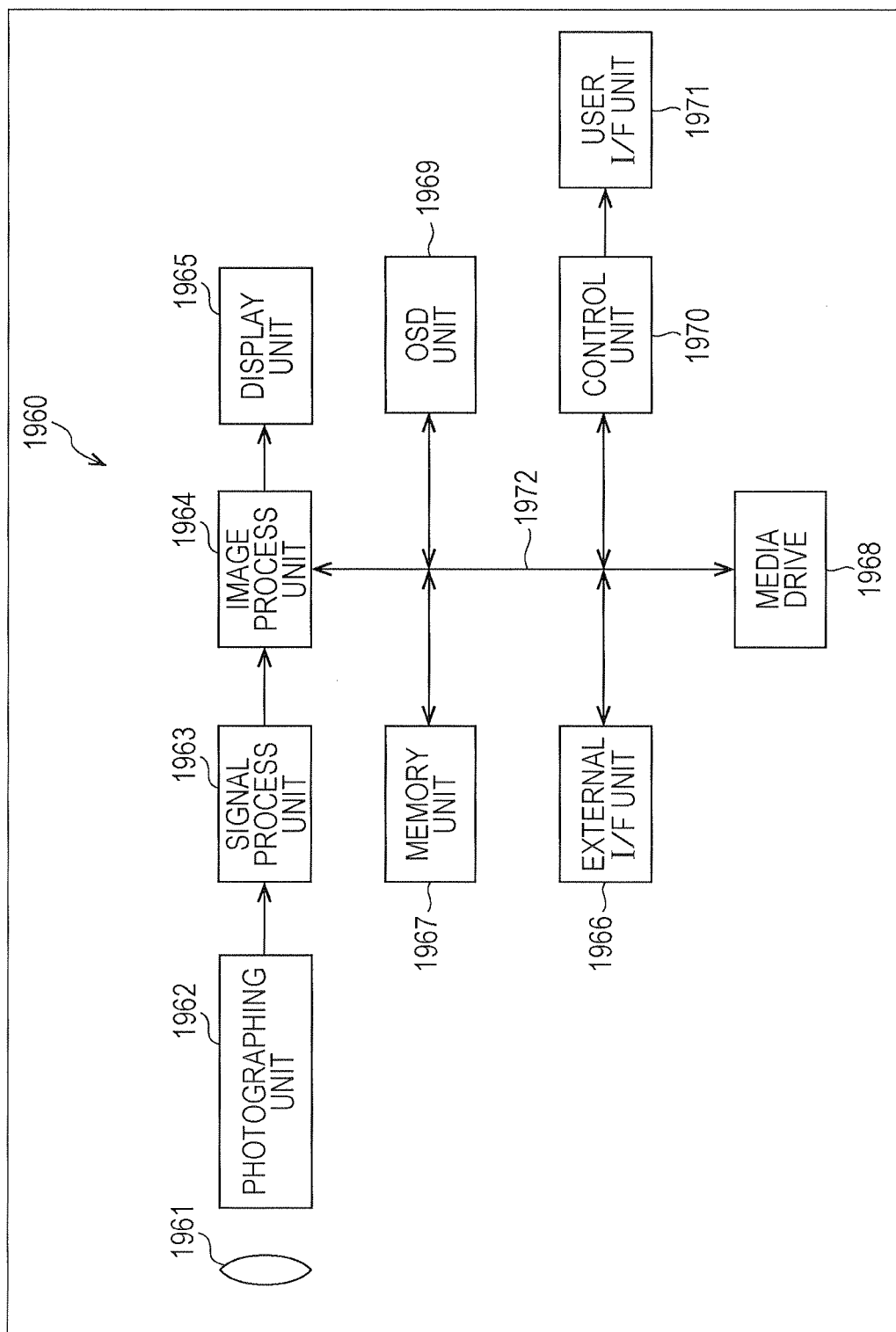


FIG. 88

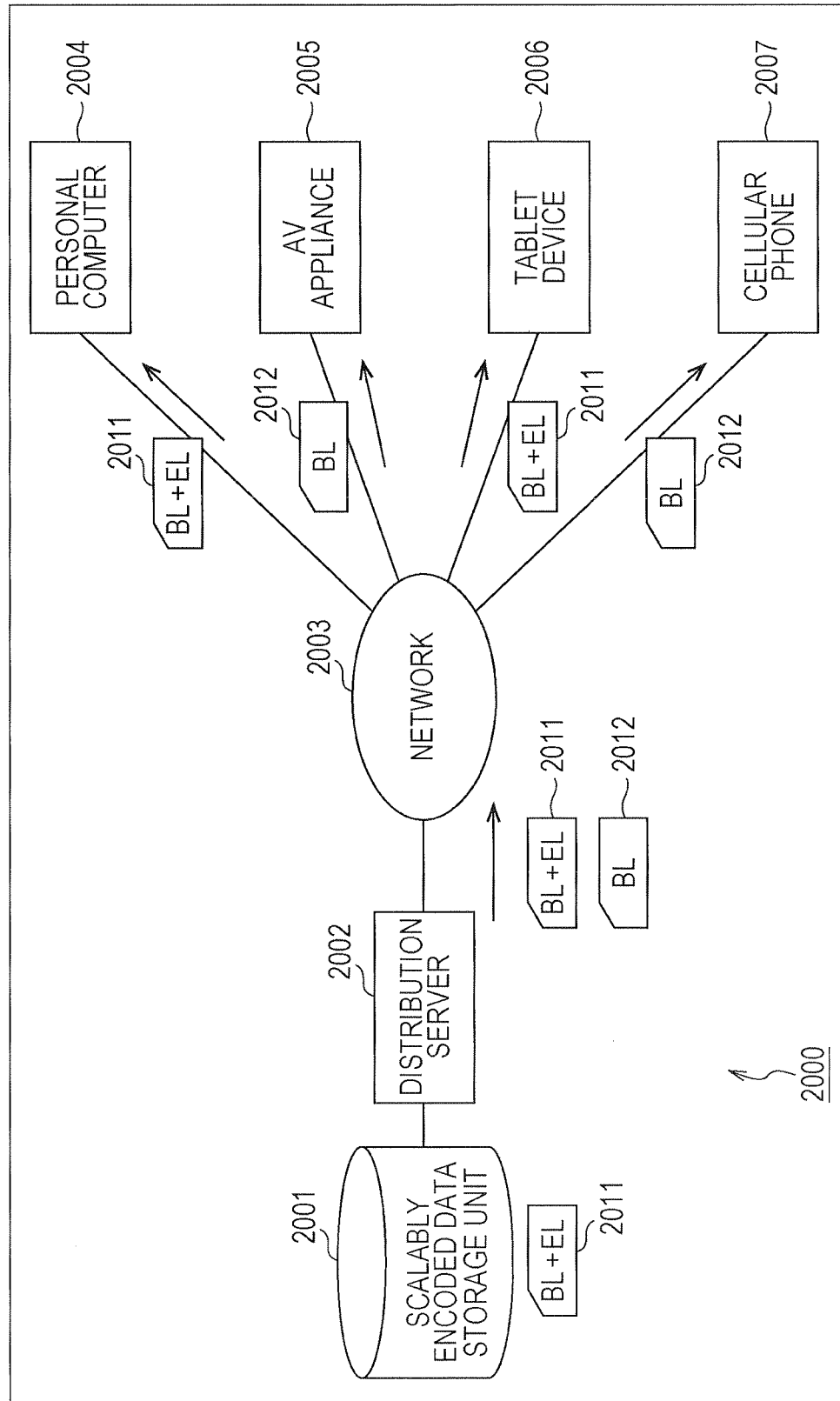


FIG. 89

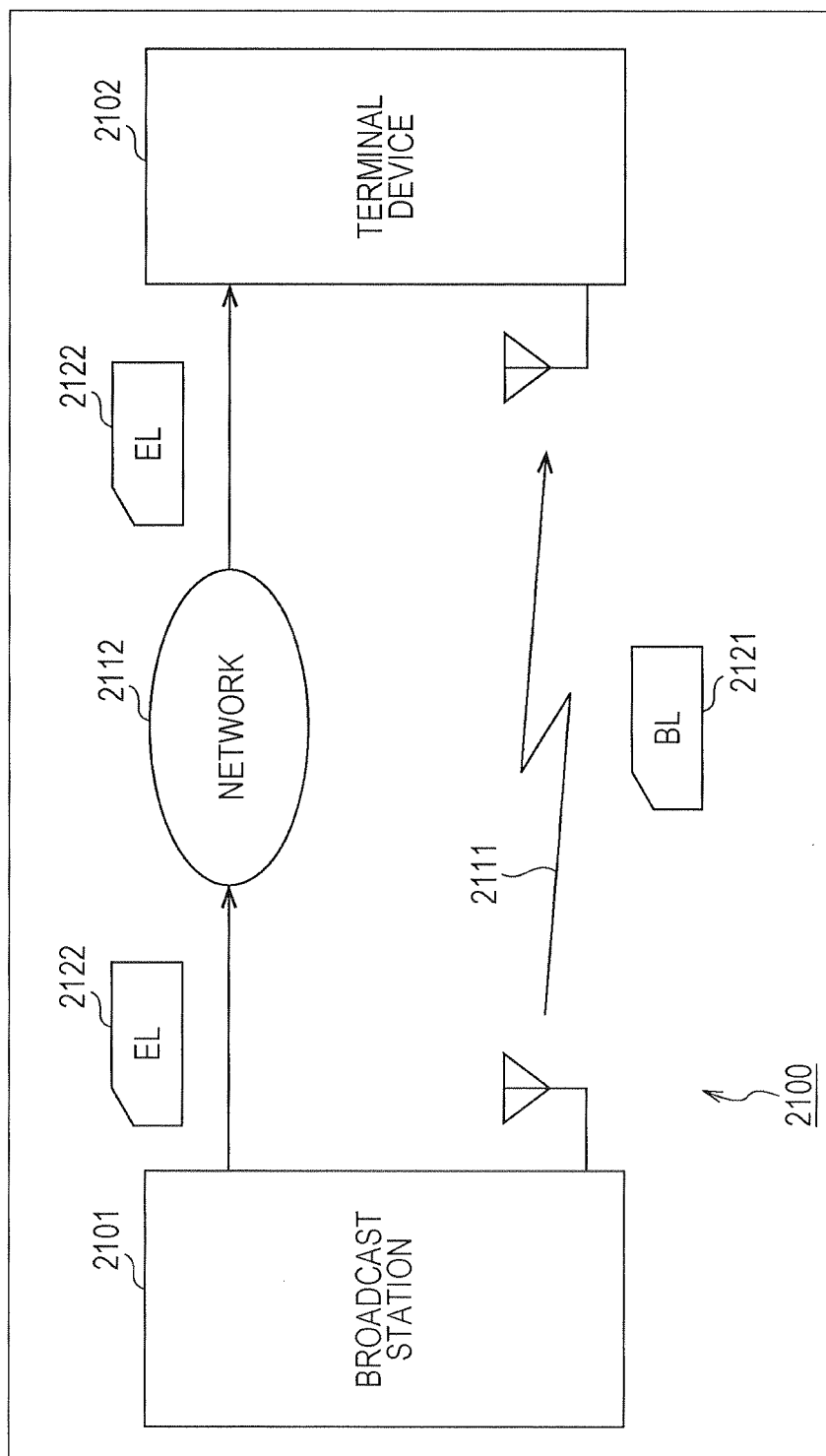
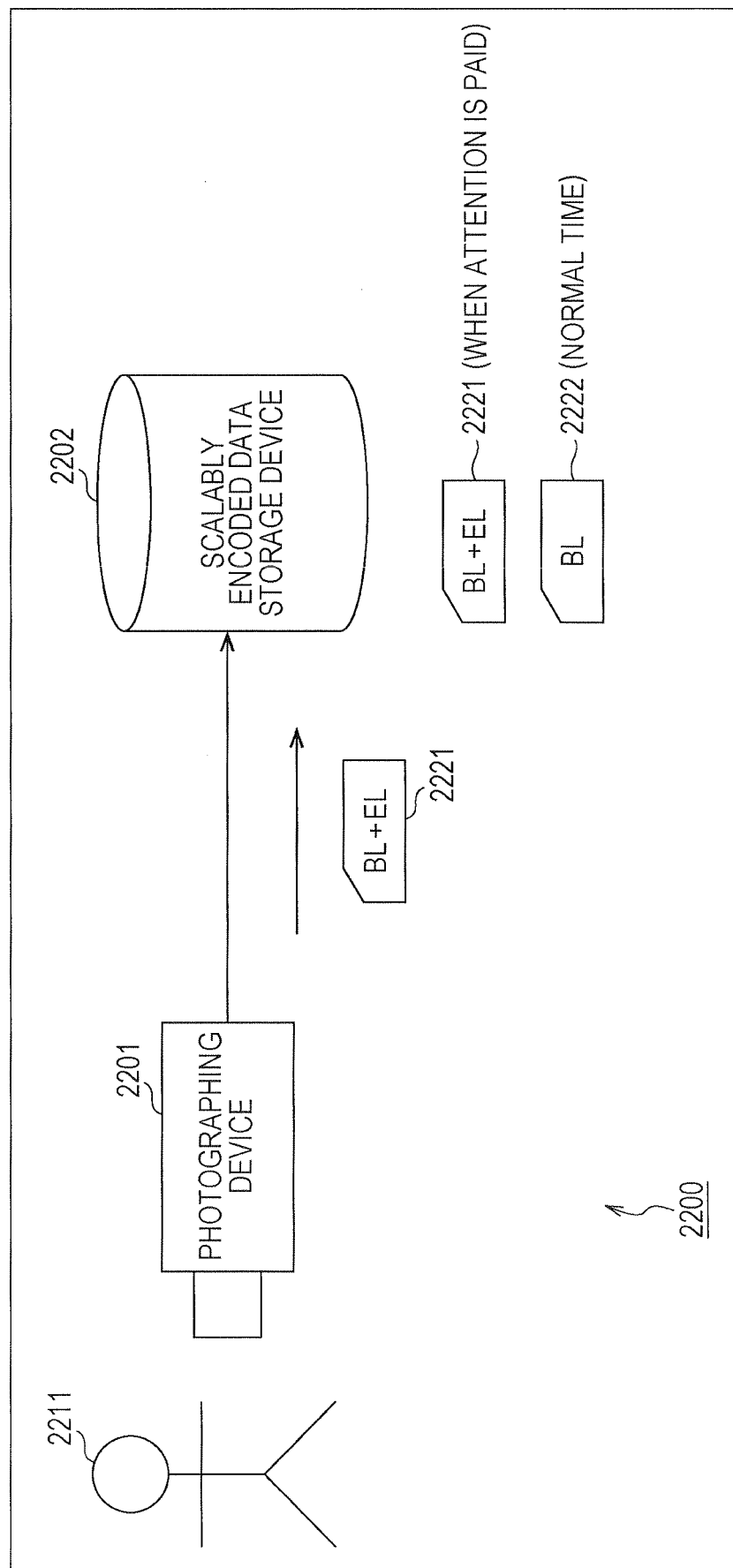


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FIG. 91

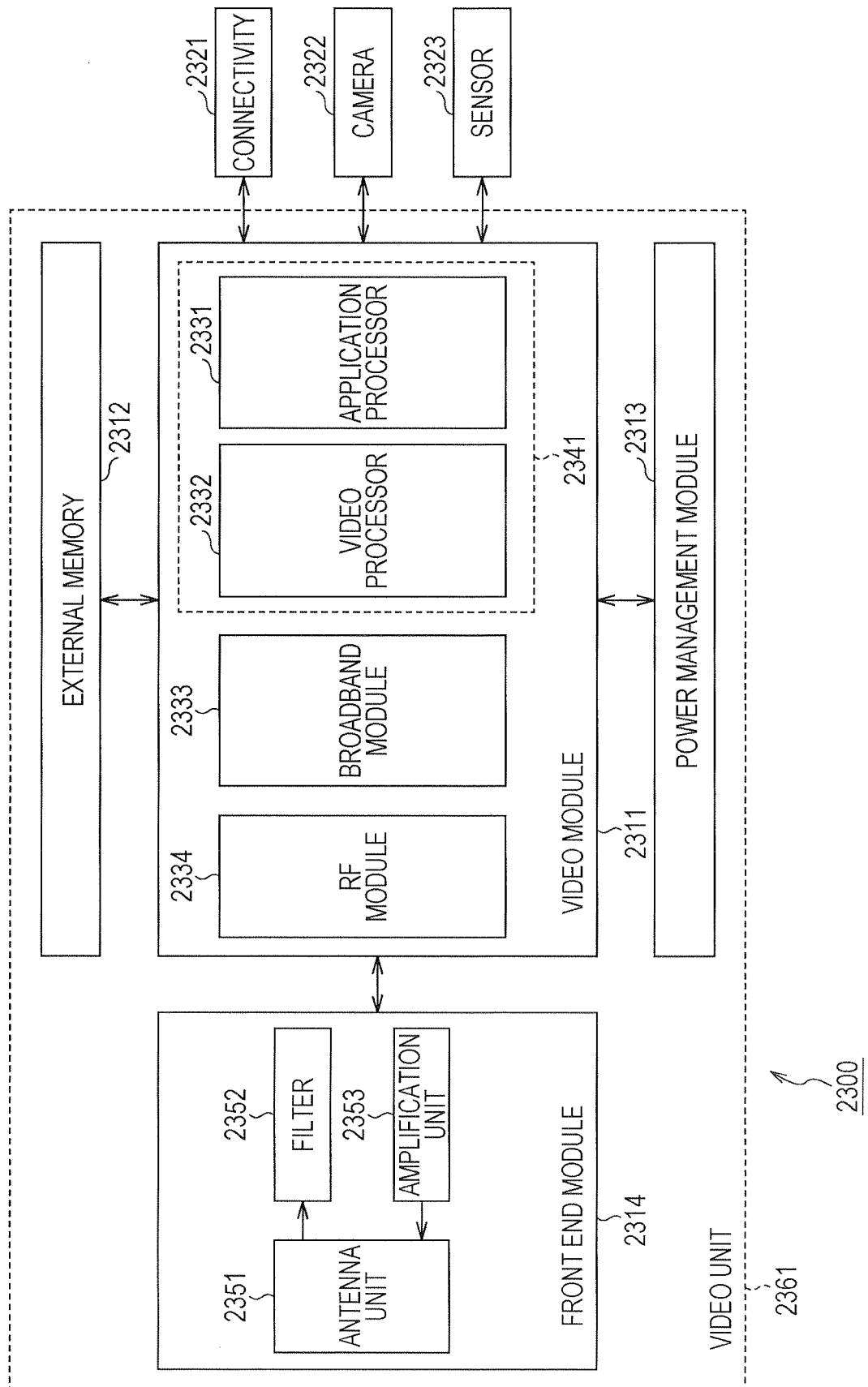
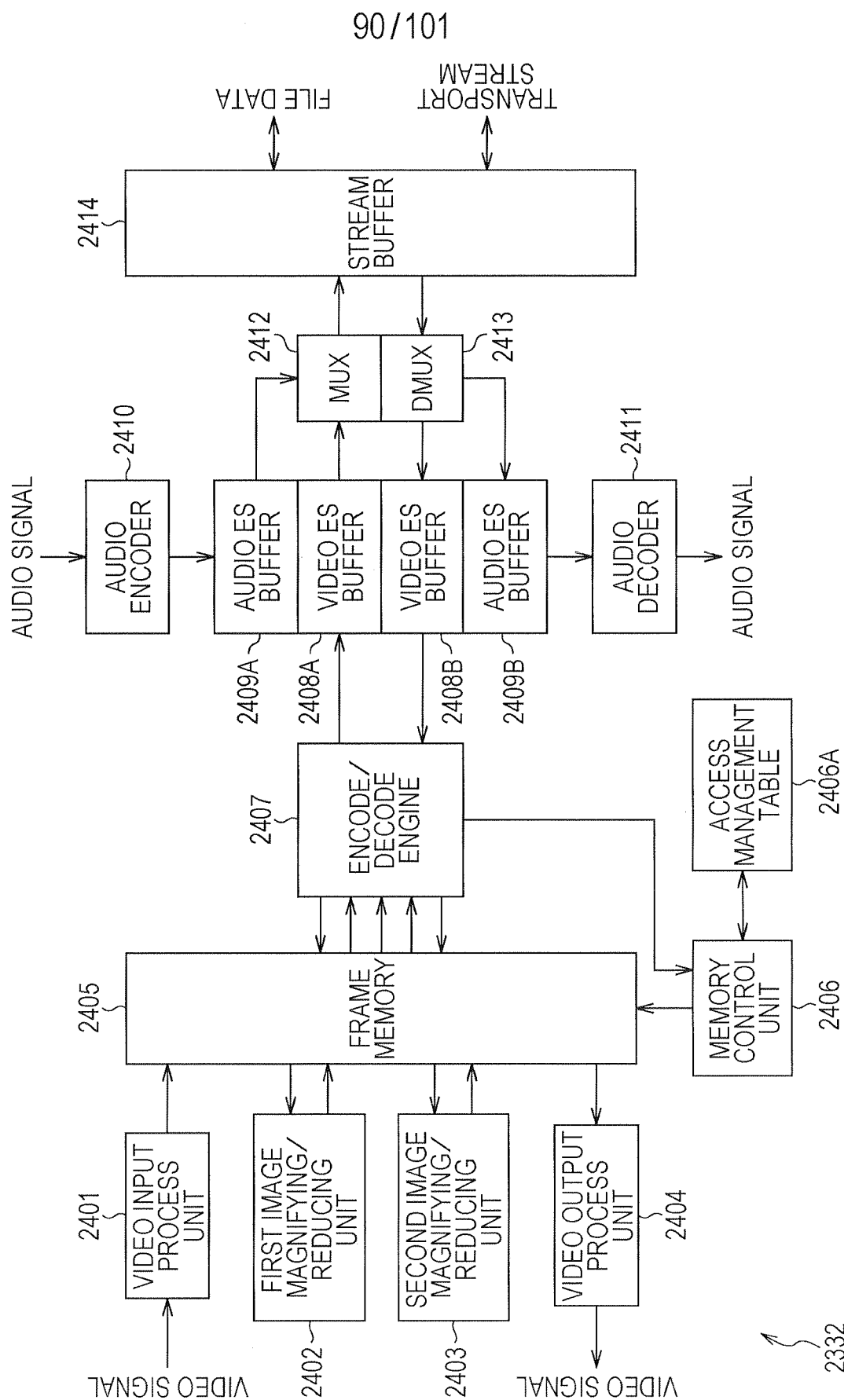
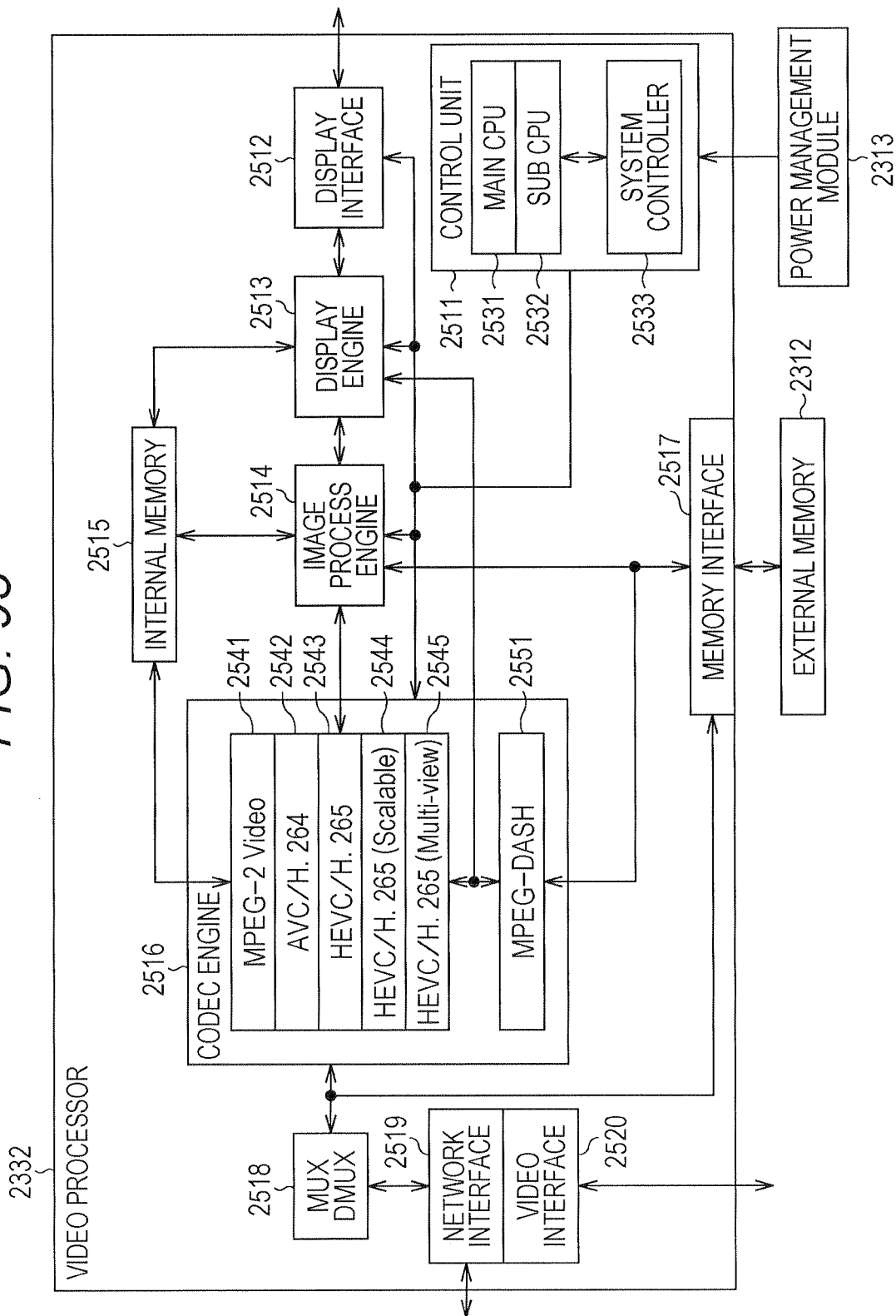


FIG. 92

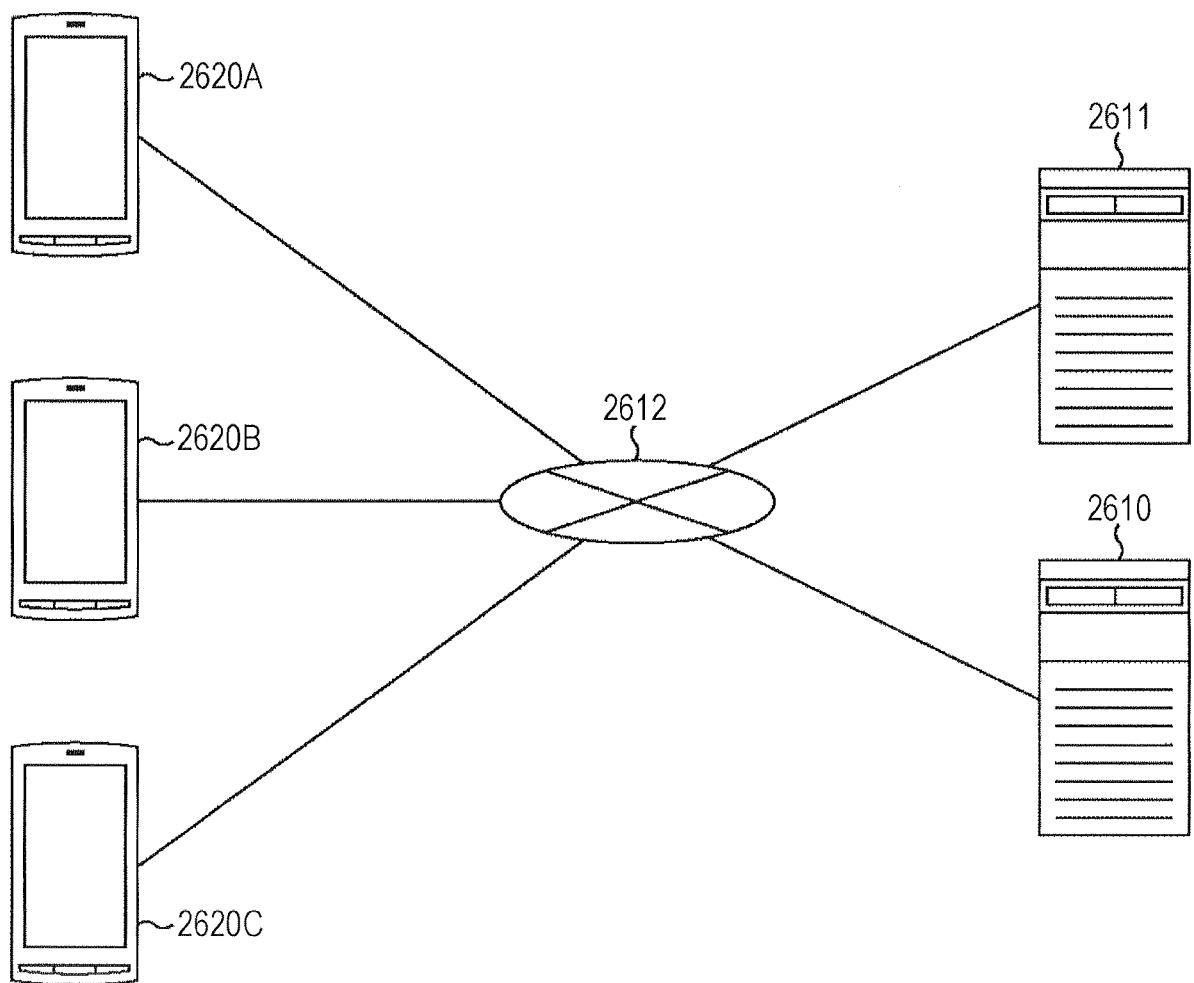


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FIG. 95

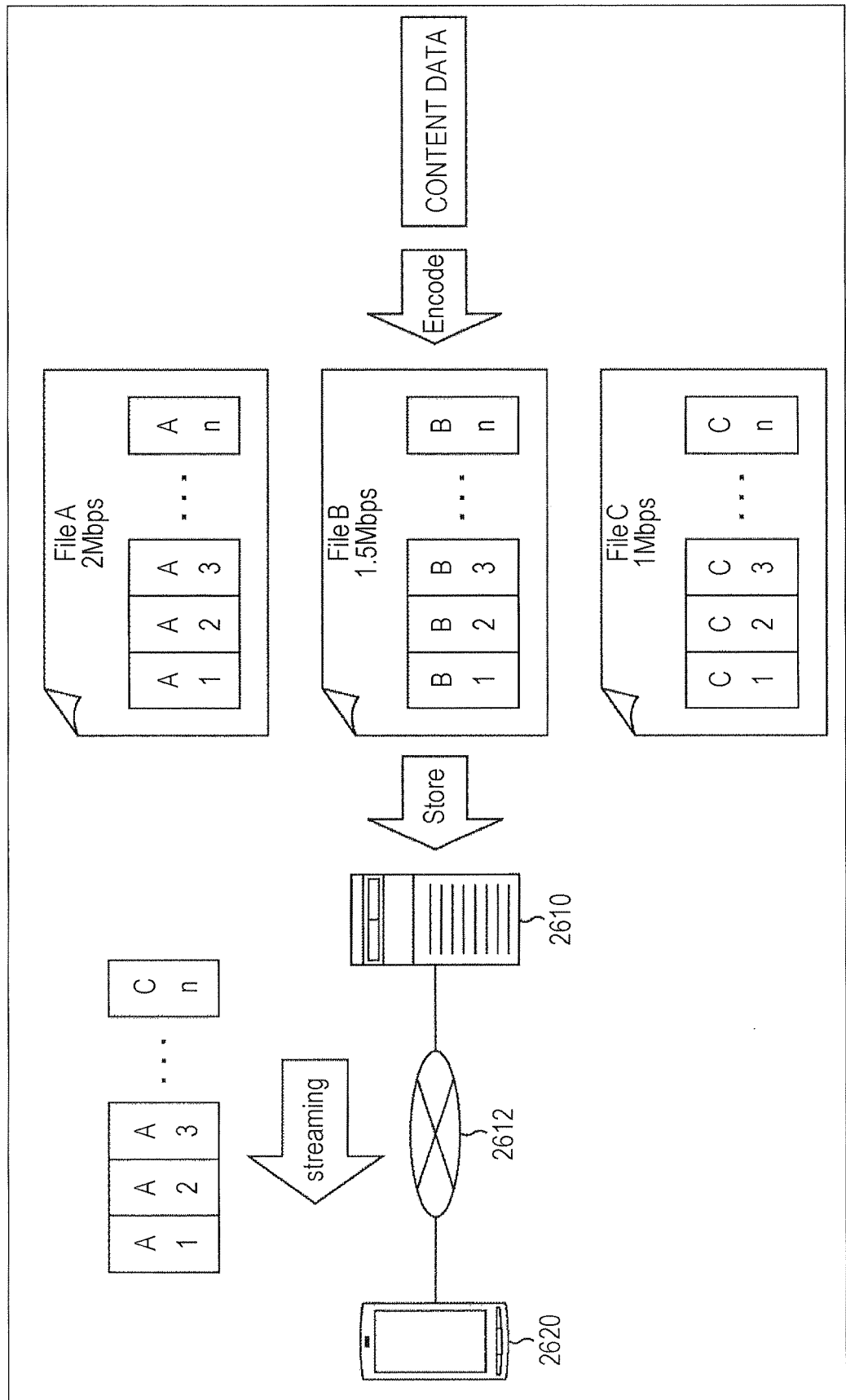


FIG. 96

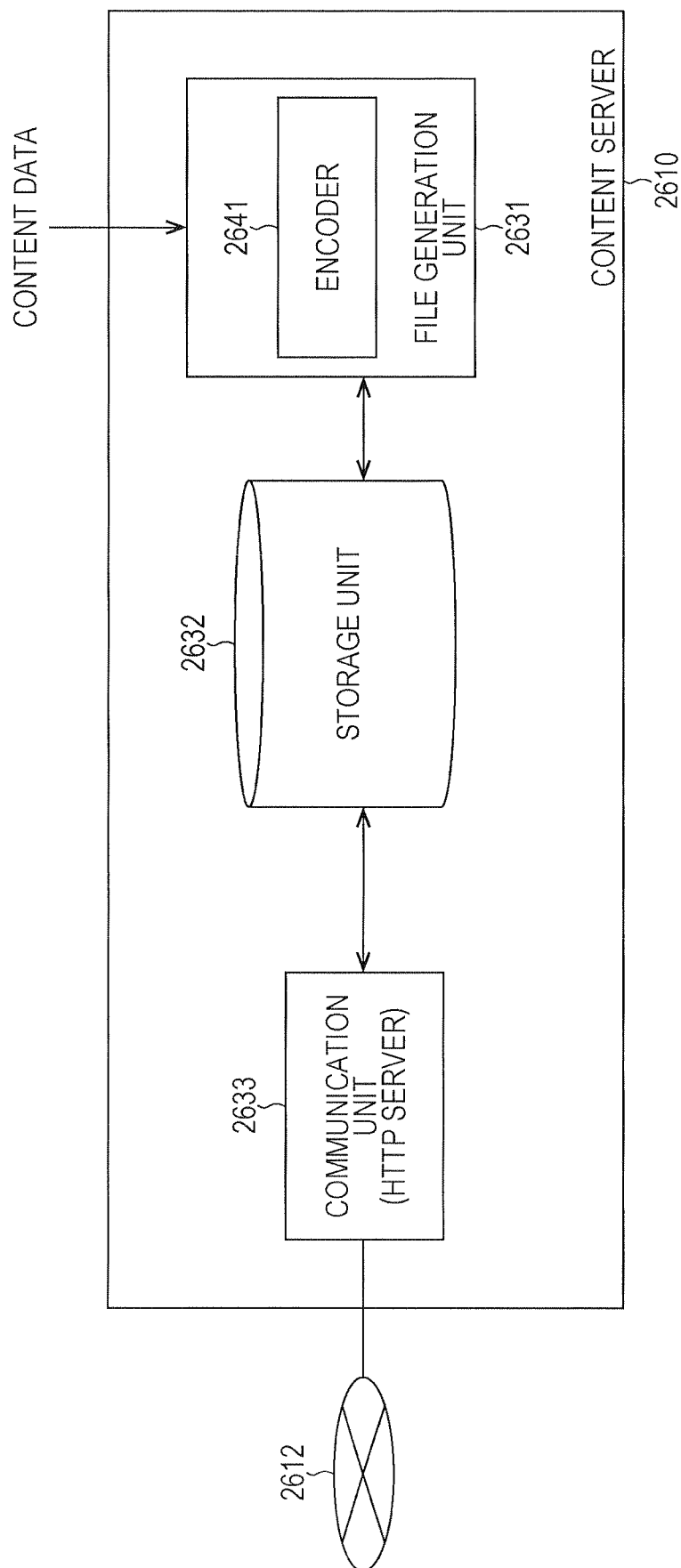
```

<?xml version="1.0"?>
<MPD
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns="urn:mpeg:DASH:schema:MPD:2011"
  xsi:schemaLocation="urn:mpeg:DASH:schema:MPD:2011 DASH-MPD.xsd"
  type="static"
  mediaPresentationDuration="PT3256S"
  minBufferTime="PT1.2S"
  profiles="urn:mpeg:dash:profile:isoff-on-demand:2011">
  <BaseURL>http://cdn1.example.com/</BaseURL>
  <BaseURL>http://cdn2.example.com/</BaseURL>
  <Period>
    <i--English Audio-->
    <AdaptationSet mimeType="audio/mp4" codecs="mp4a.0x40" lang="en" subsegmentAlignment="true" subsegmentStartsWithSAP="1">
    <ContentProtection schemeIdUri="urn:uuid:70606953-6560-5244-4048-656164657221"/>
    <Representation id="1" bandwidth="64000">
    <BaseURL>7657412348.mp4</BaseURL>
    </Representation>
    <Representation id="2" bandwidth="32000">
    <BaseURL>3463646346.mp4</BaseURL>
    </Representation>
    </AdaptationSet>
    <i--Video-->
    <AdaptationSet mimeType="video/mp4" codecs="avc1.402228" subsegmentAlignment="true" subsegmentStartsWithSAP="2">
    <ContentProtection schemeIdUri="urn:uuid:70606953-6560-5244-4048-656164657221"/>
    <Representation id="6" bandwidth="256000" width="320" height="240">
    <BaseURL>8563456473.mp4</BaseURL>
    </Representation>
    <Representation id="7" bandwidth="512000" width="320" height="240">
    <BaseURL>66363634.mp4</BaseURL>
    </Representation>
    <Representation id="8" bandwidth="1024000" width="640" height="480">
    <BaseURL>662465736.mp4</BaseURL>
    </Representation>
    <Representation id="9" bandwidth="1384000" width="640" height="480">
    <BaseURL>413256645.mp4</BaseURL>
    </Representation>
    <Representation id="A" bandwidth="1536000" width="1280" height="720">
    <BaseURL>69045625.mp4</BaseURL>
    </Representation>
    <Representation id="B" bandwidth="2048000" width="1280" height="720">
    <BaseURL>23536745734.mp4</BaseURL>
    </Representation>
    </AdaptationSet>
  </Period>
</MPD>

```

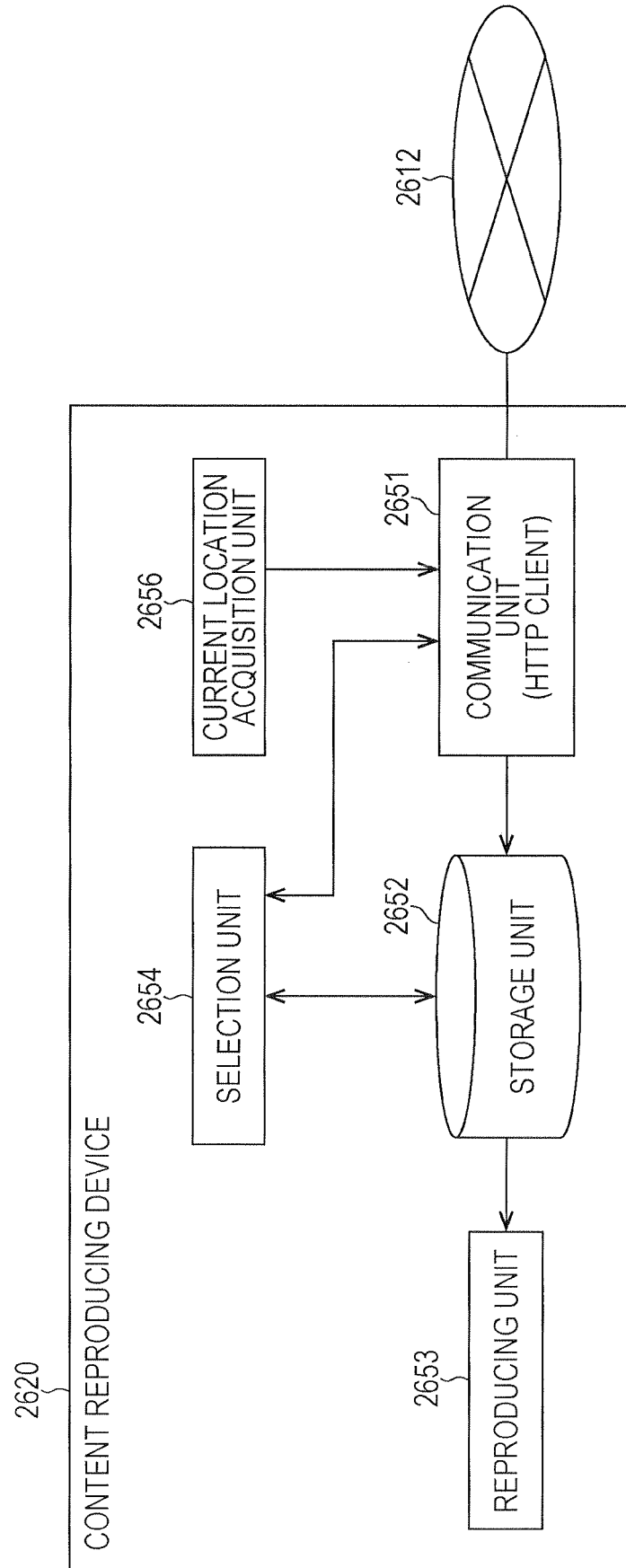
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FIG. 97



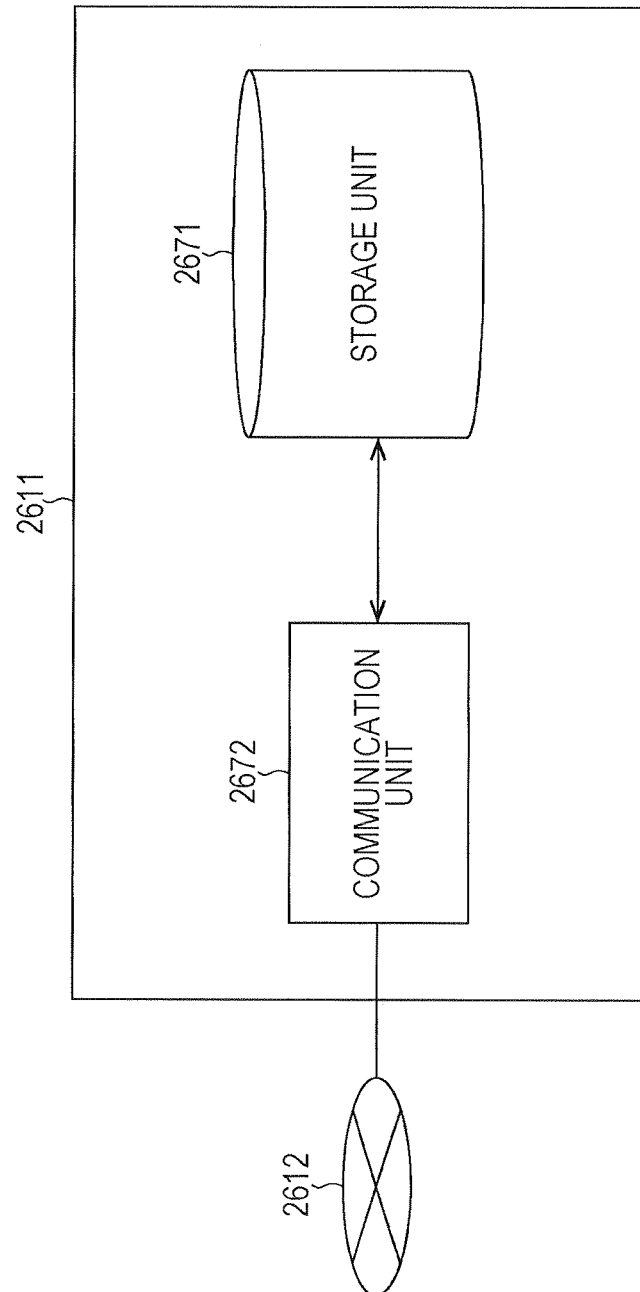
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FIG. 98

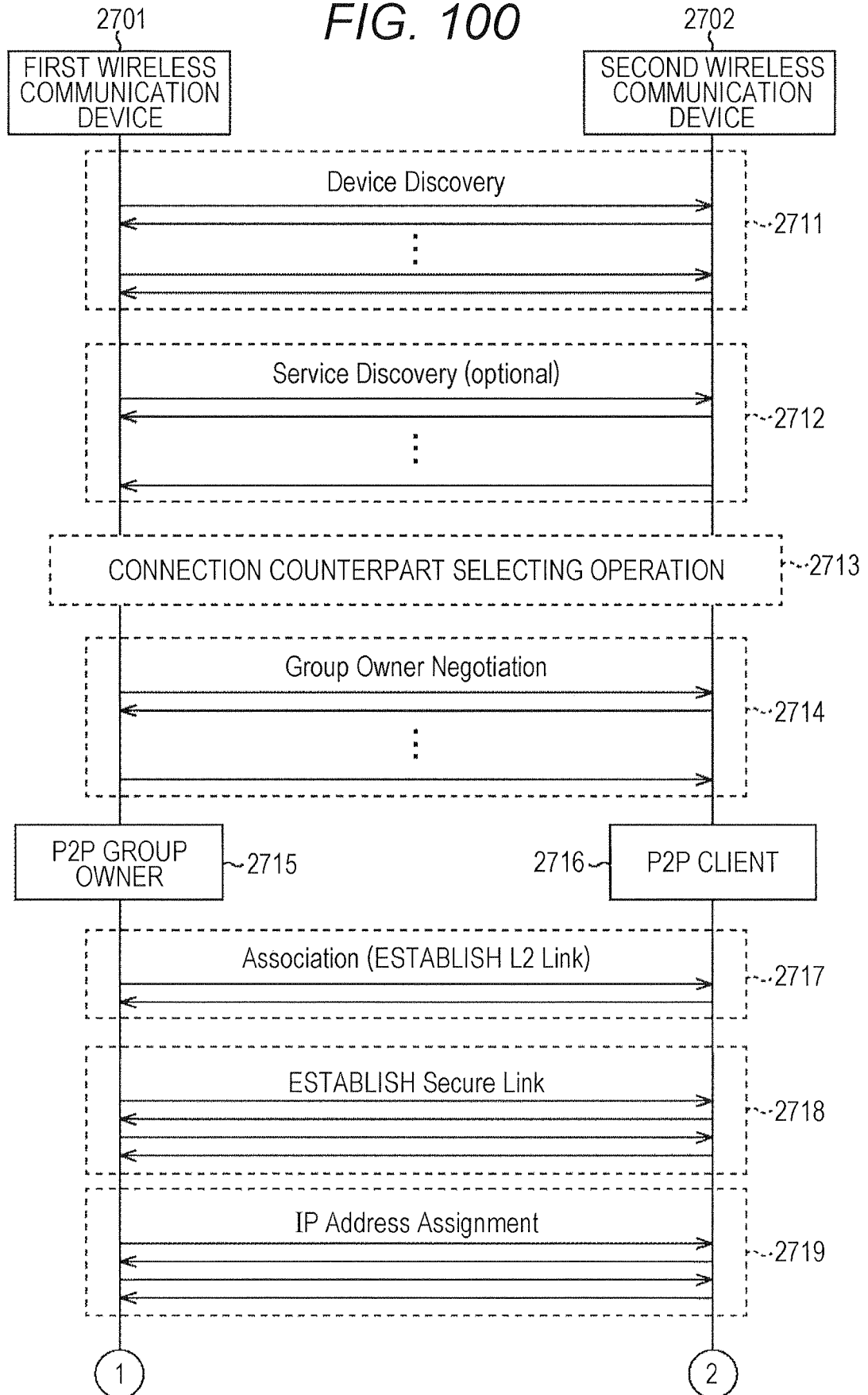


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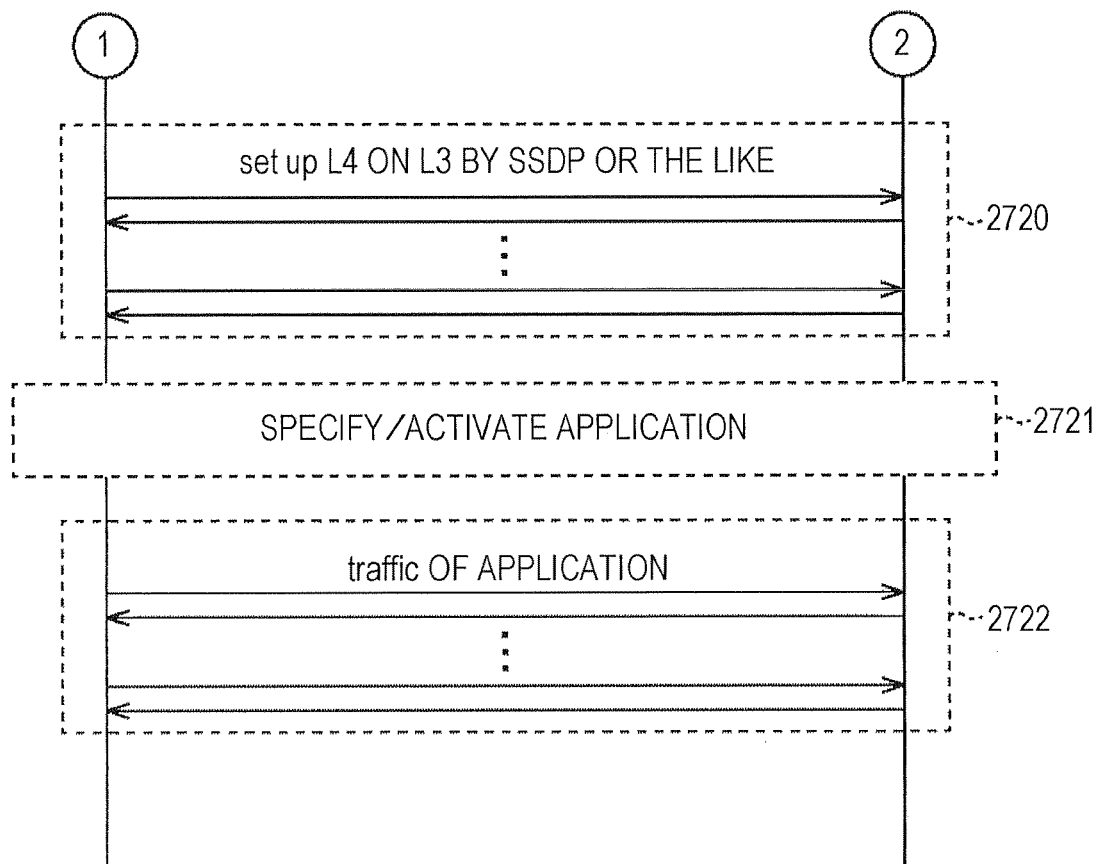
FIG. 99



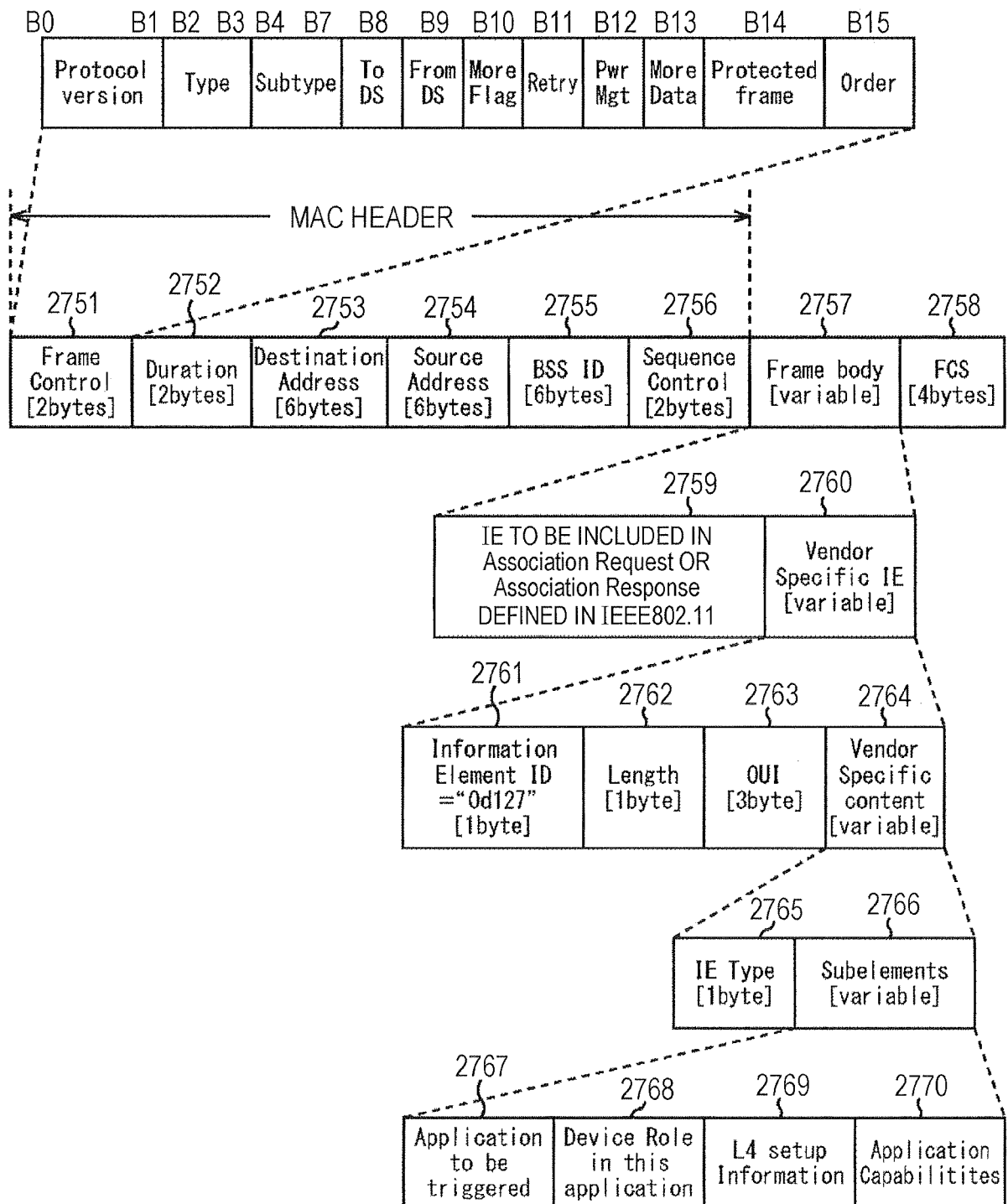
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FIG. 103