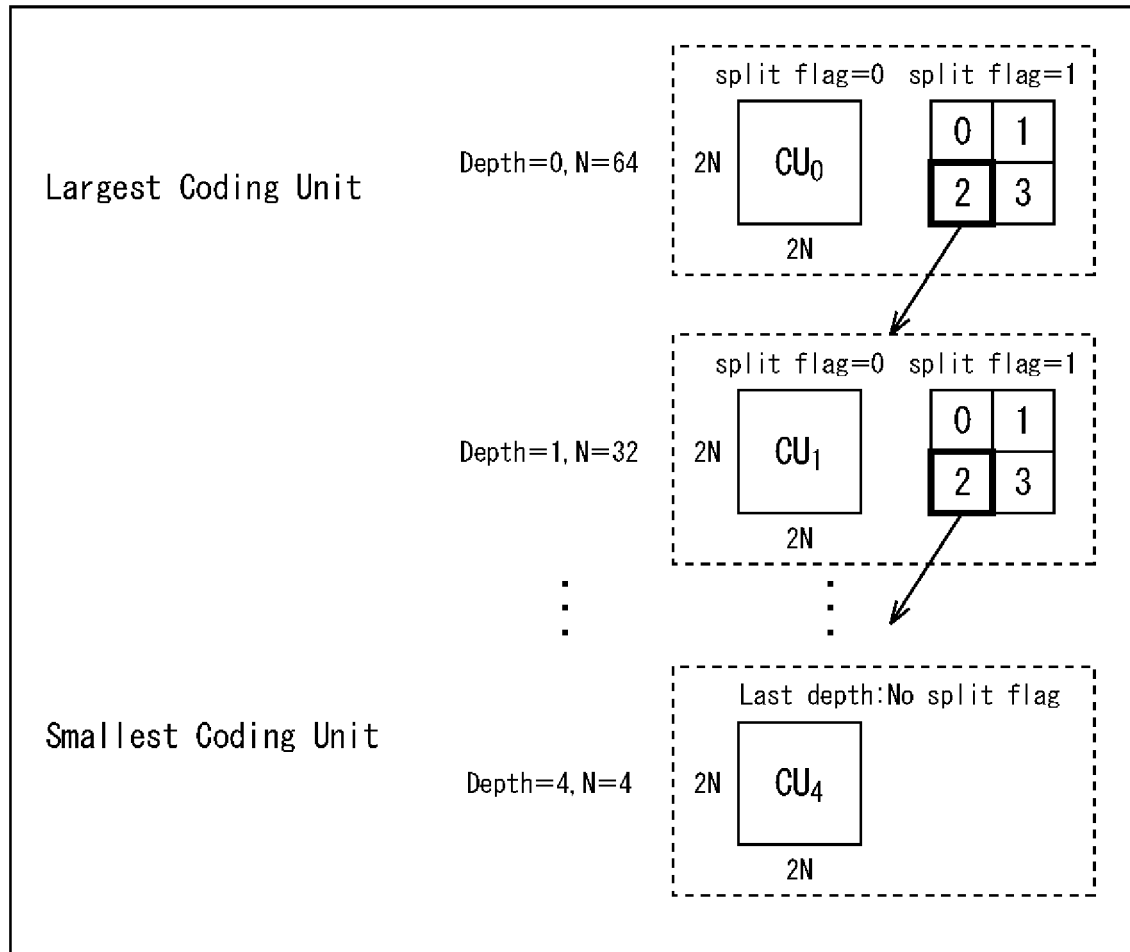


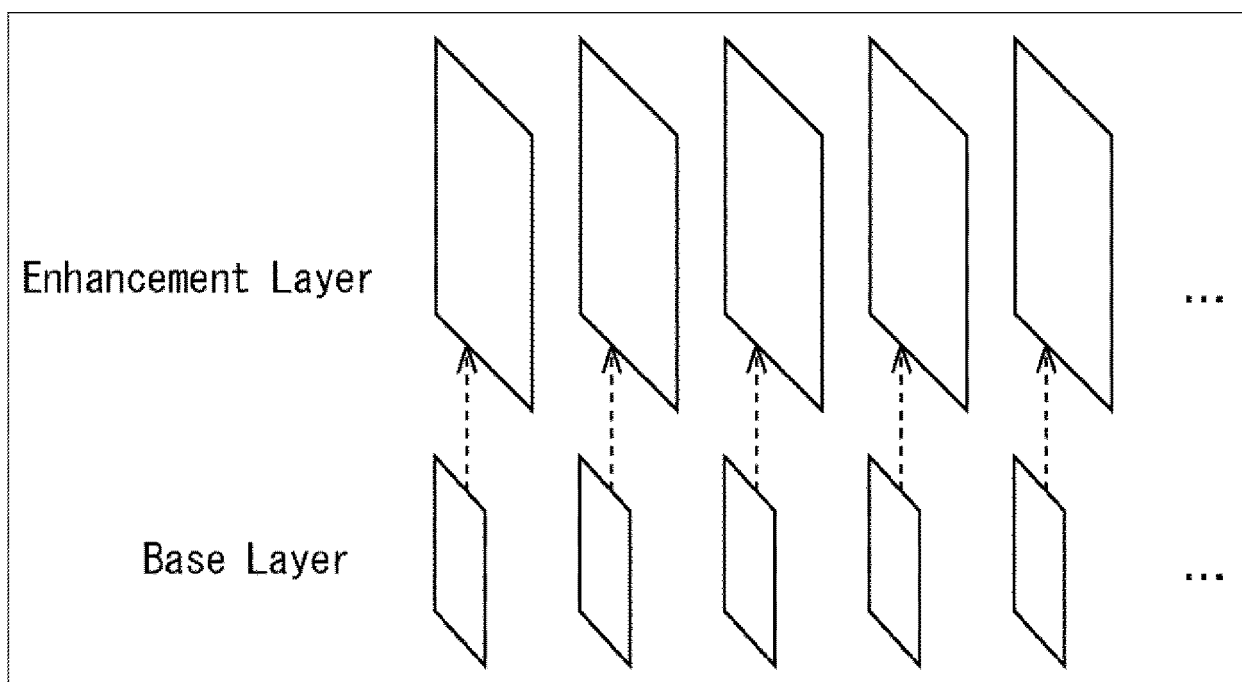
[図1]

図1



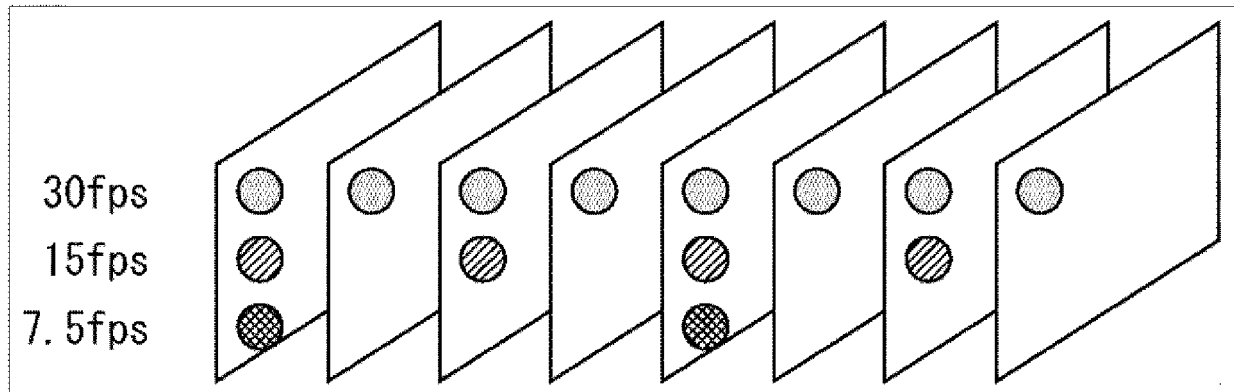
[図2]

図2



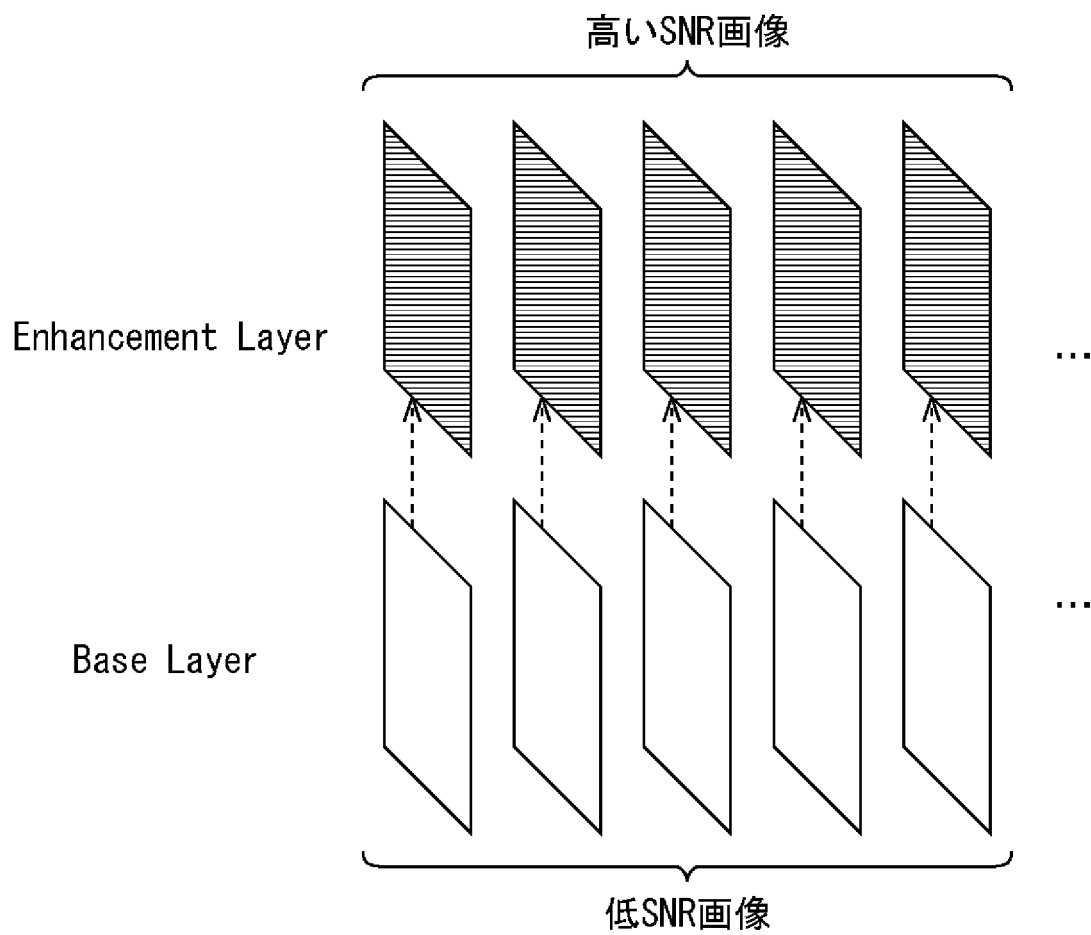
[図3]

図3



[図4]

図4



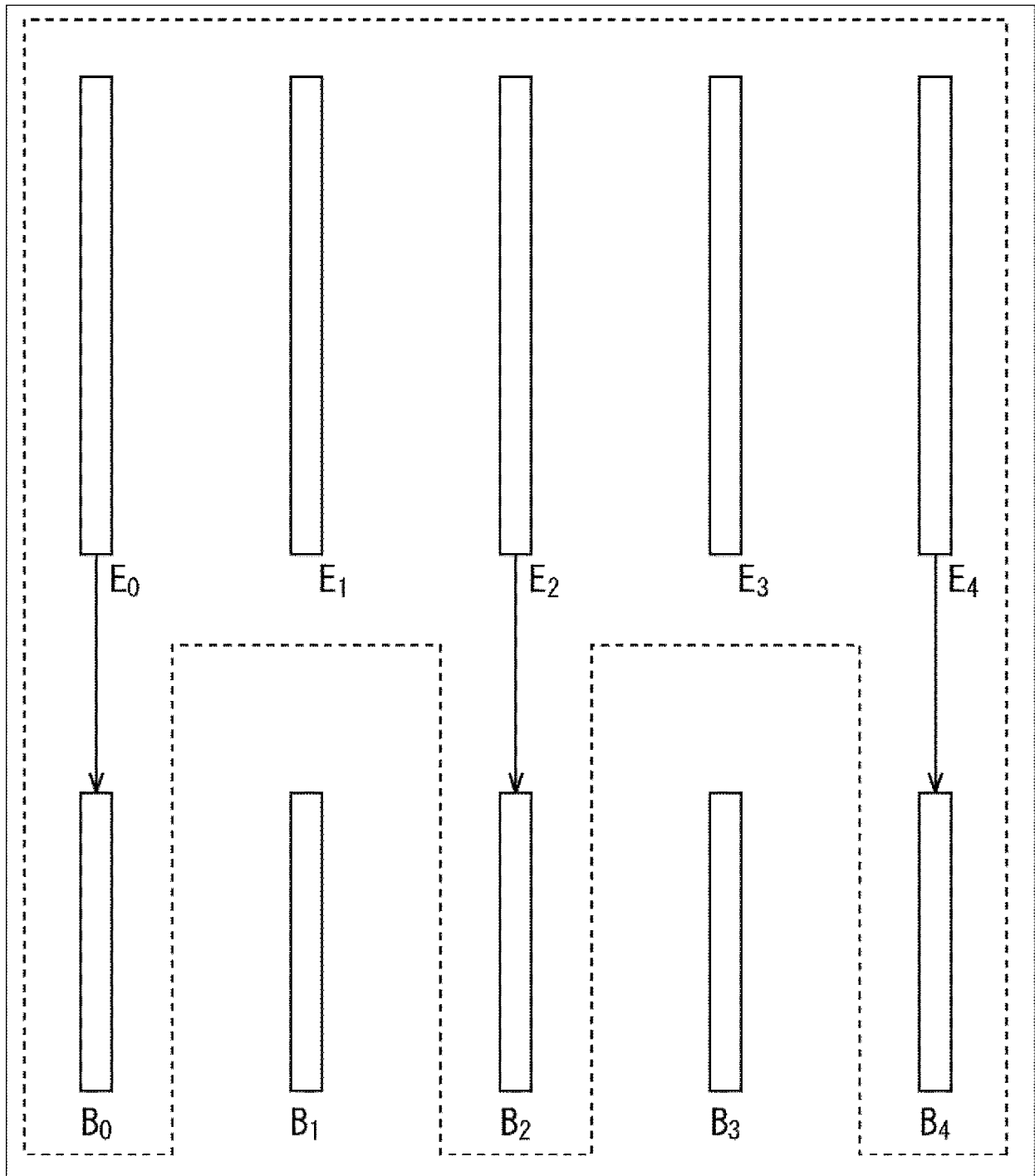
[図5]

図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()	
}	

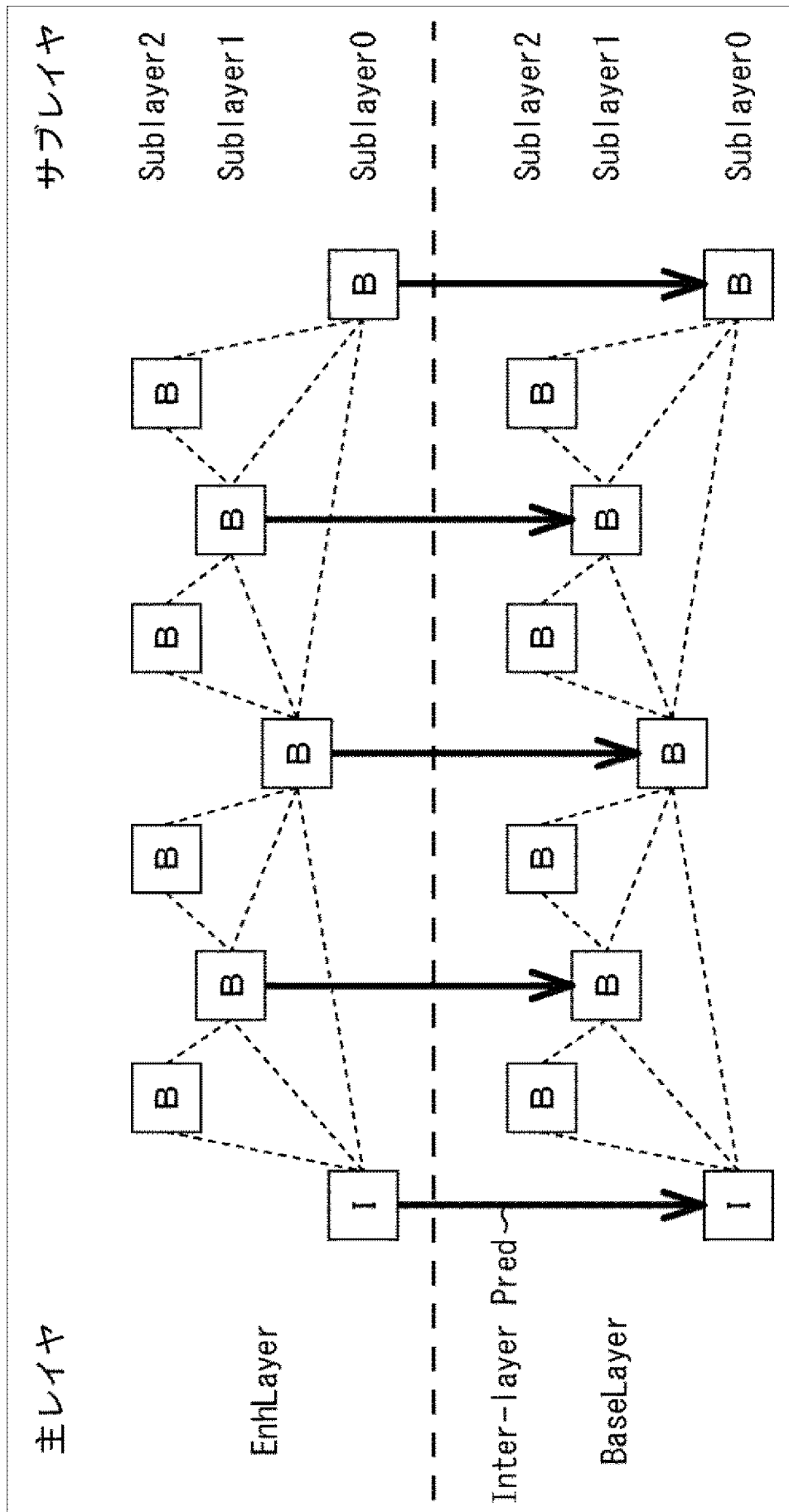
[図6]

図6



[図7]

図7



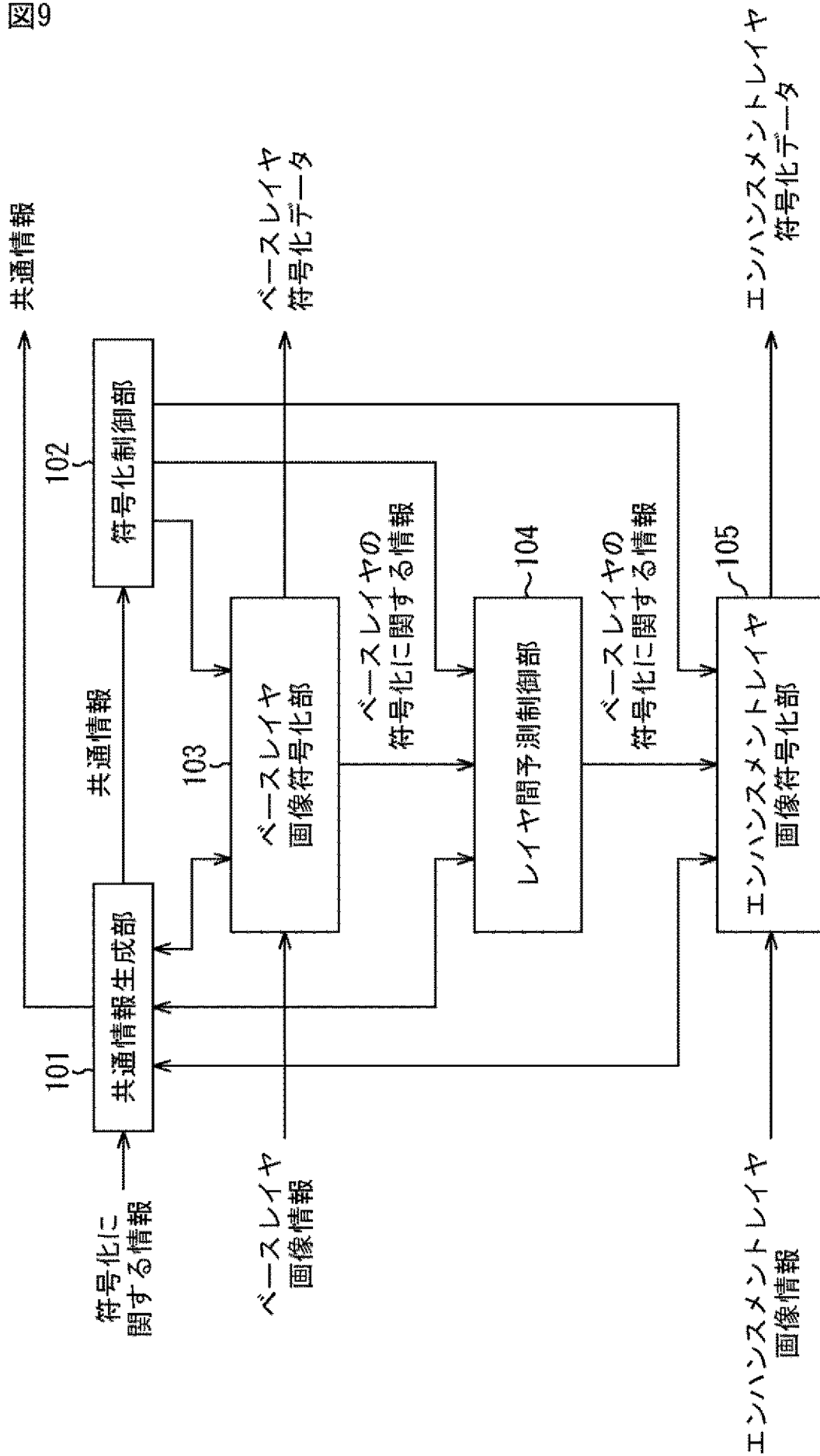
[図8]

図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_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()	
}	

[図9]

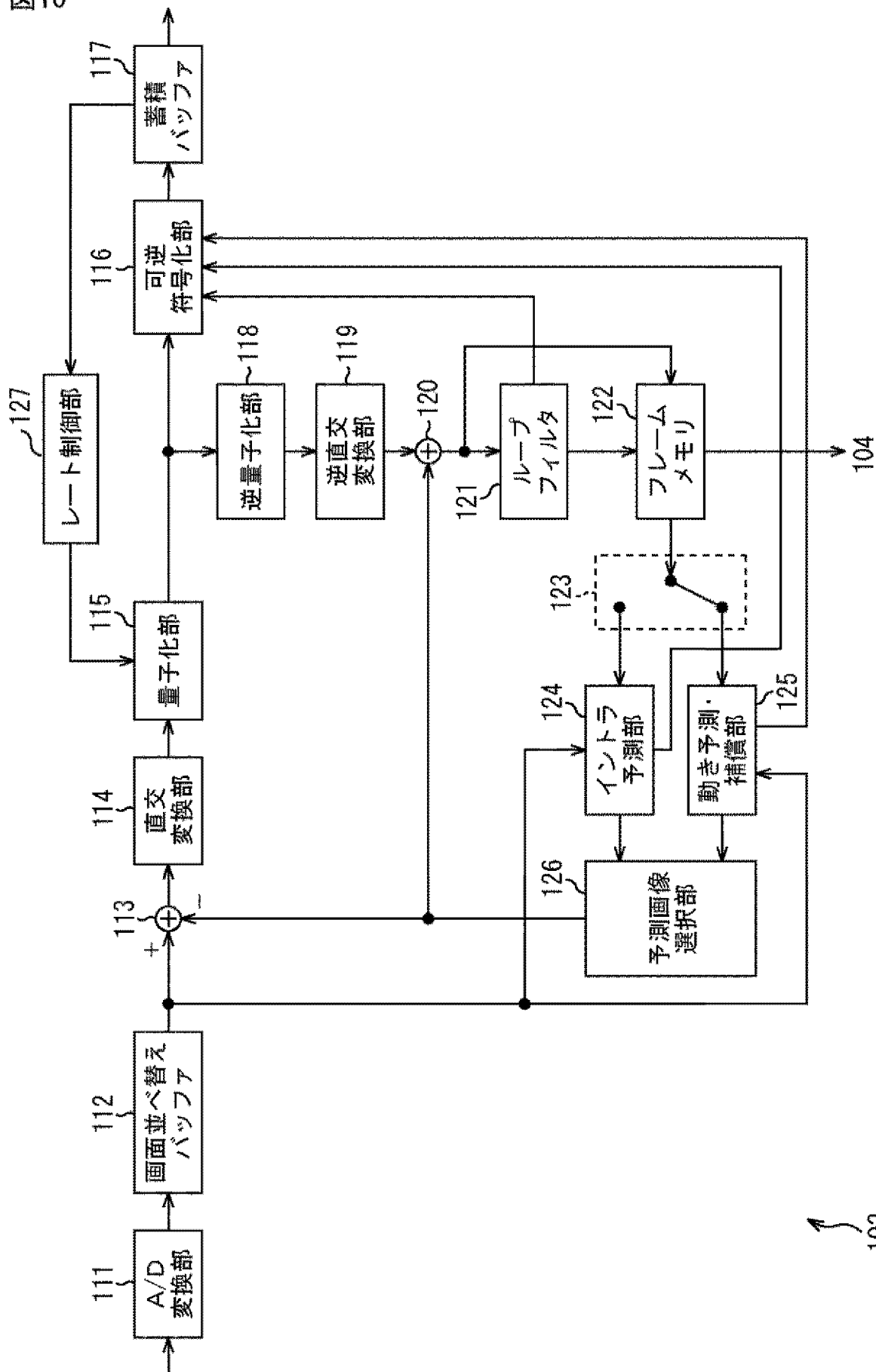
図9



100

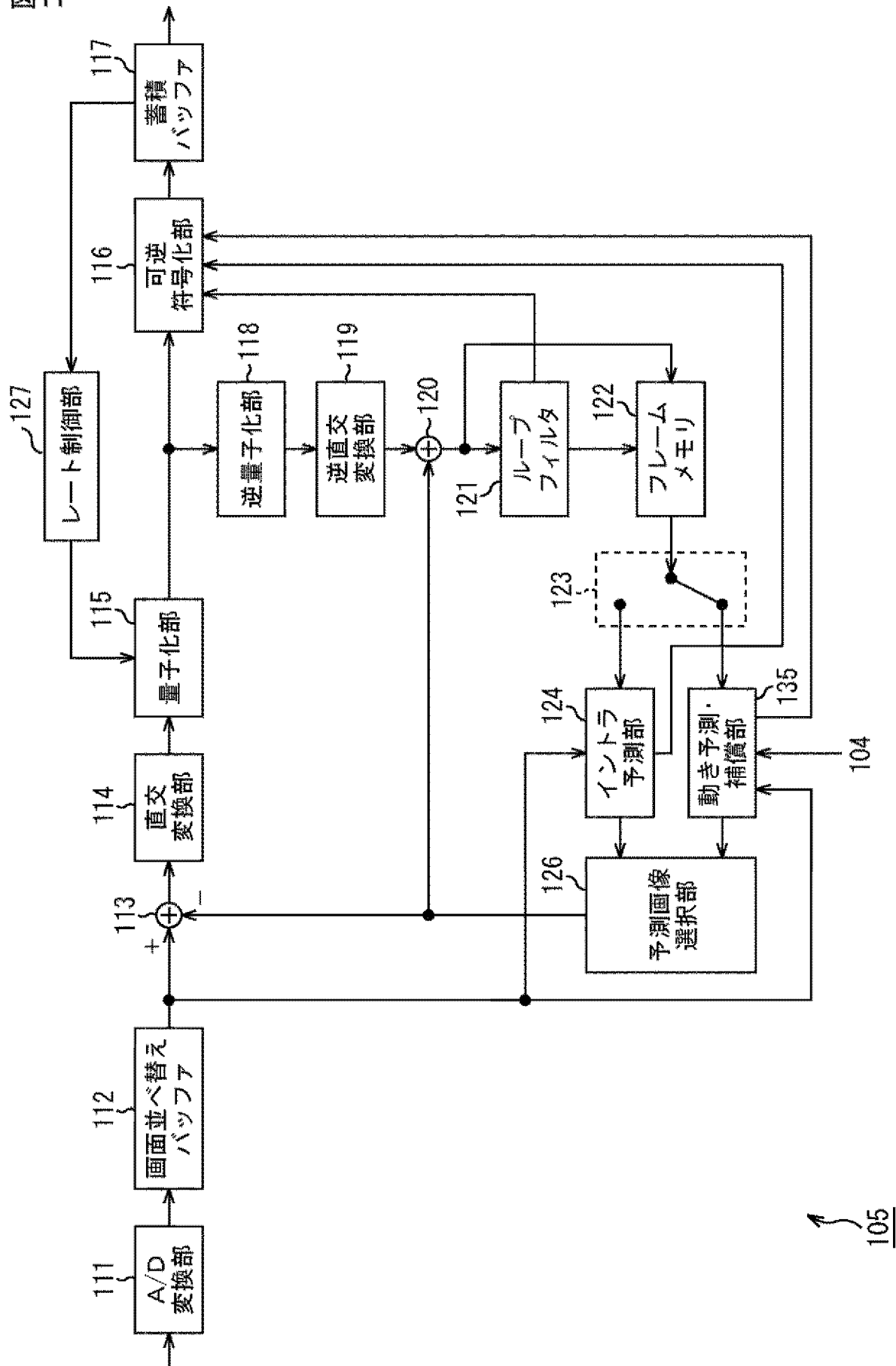
[図10]

图 10

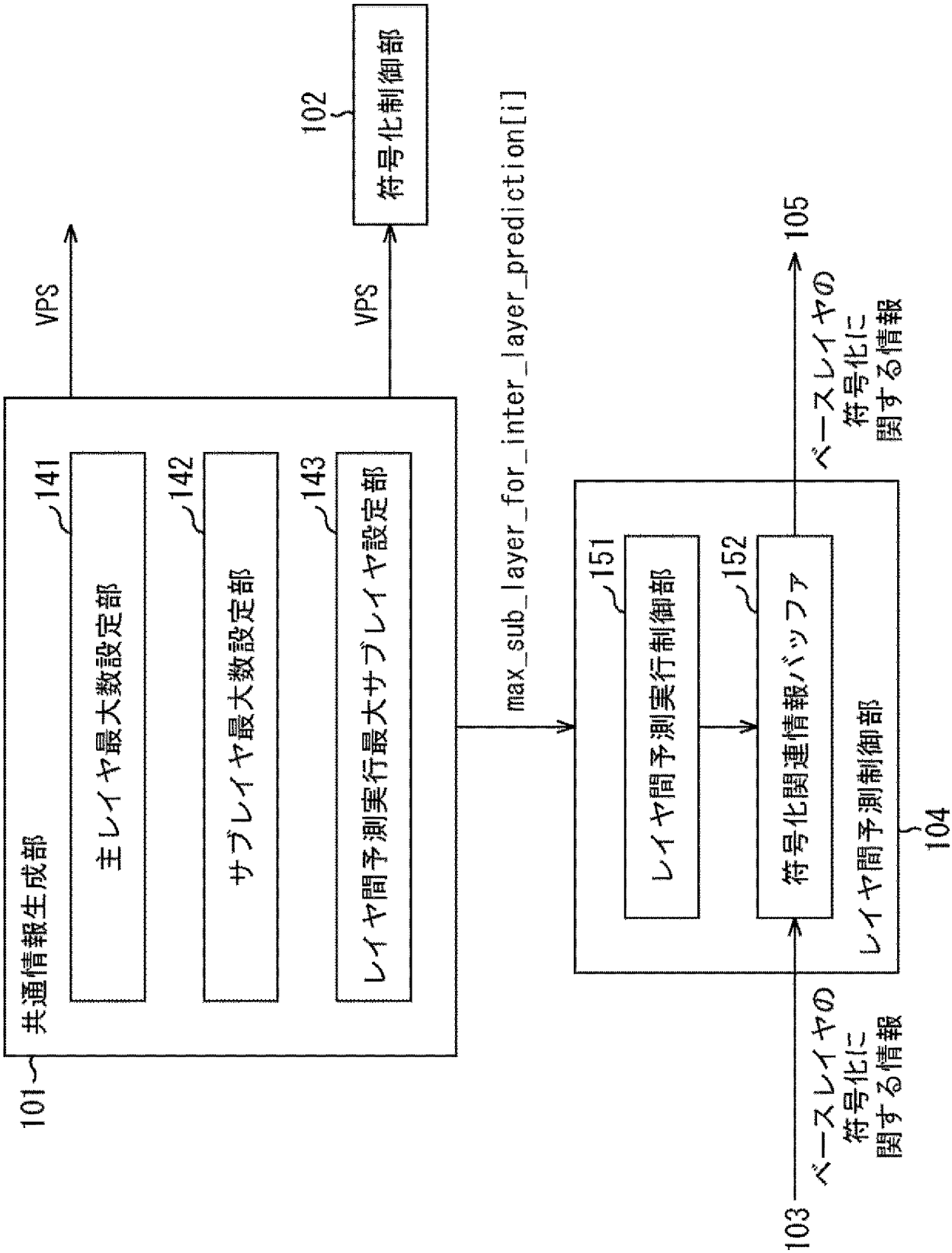


[図11]

図11

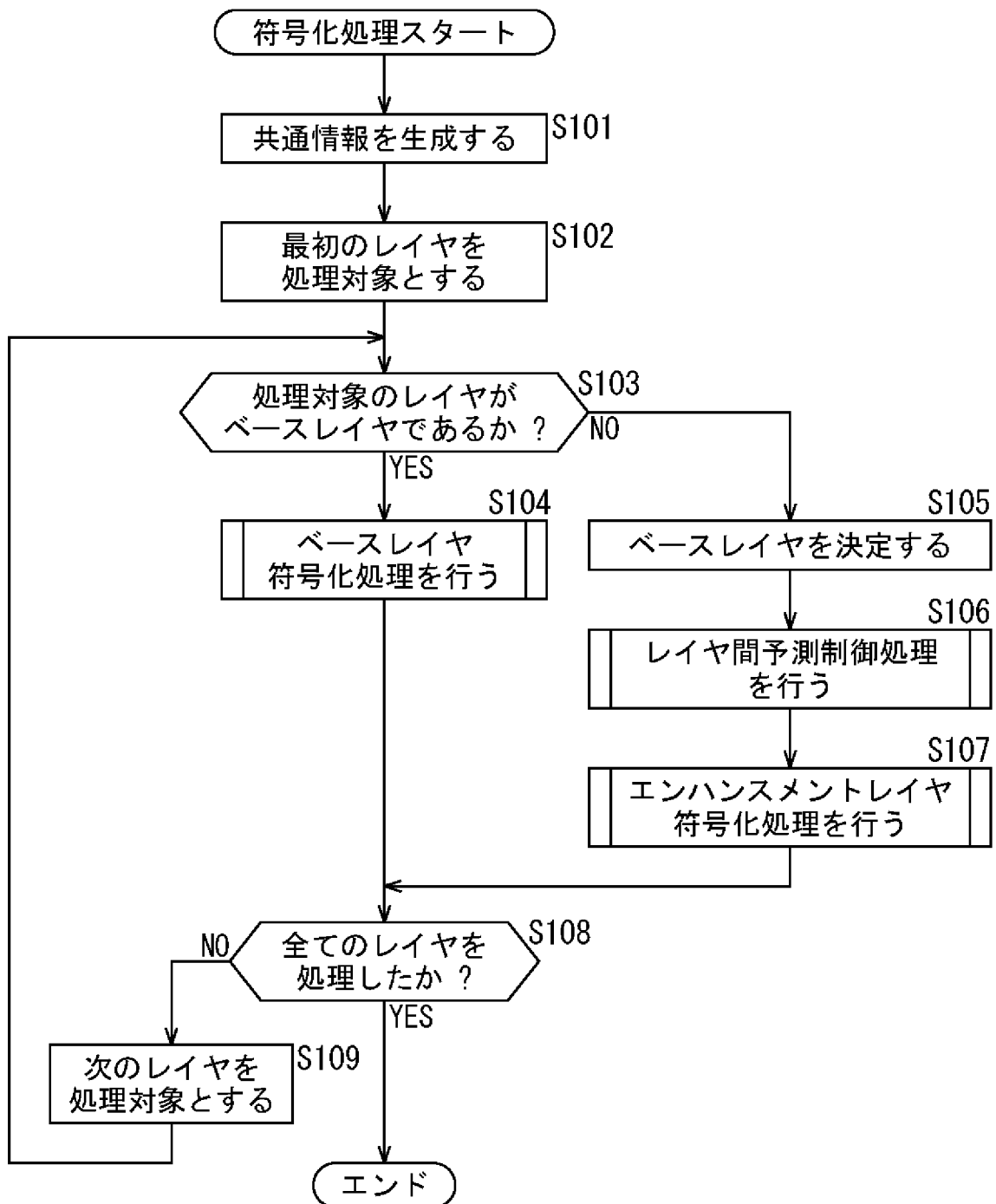


[図12]
図12



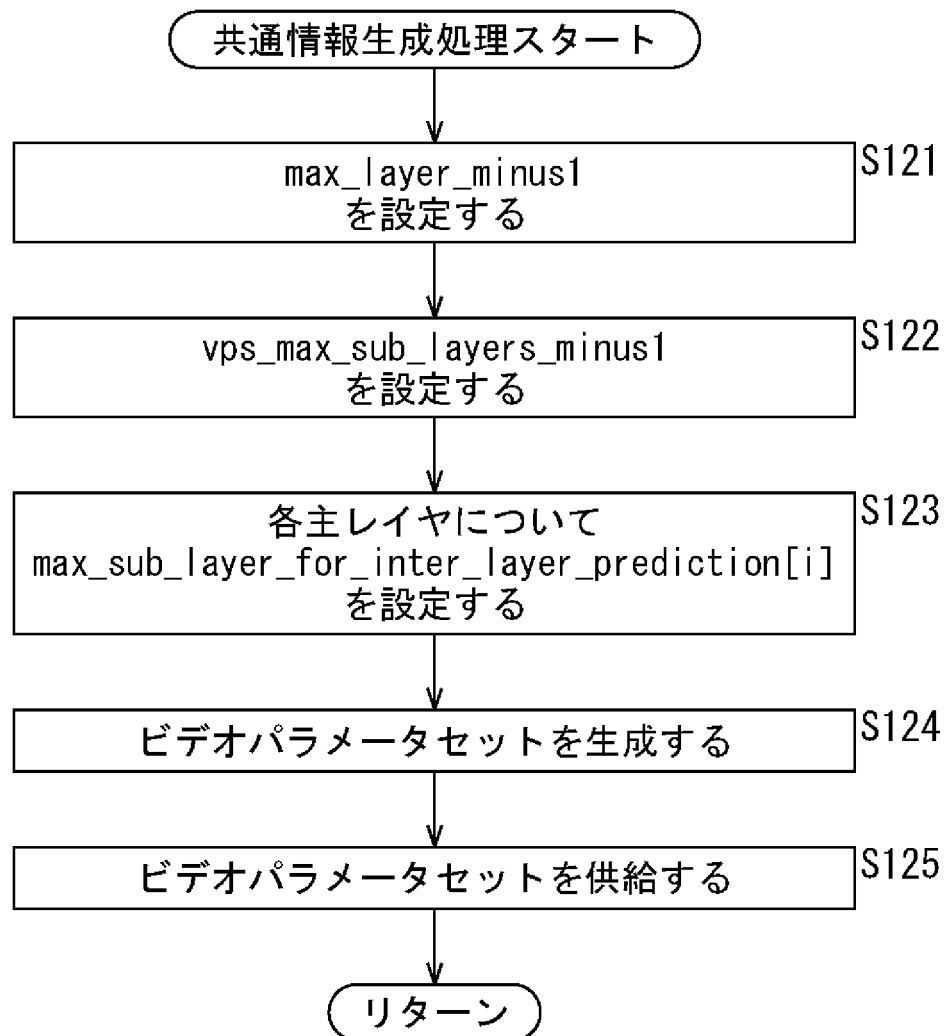
[図13]

図13



[図14]

図14



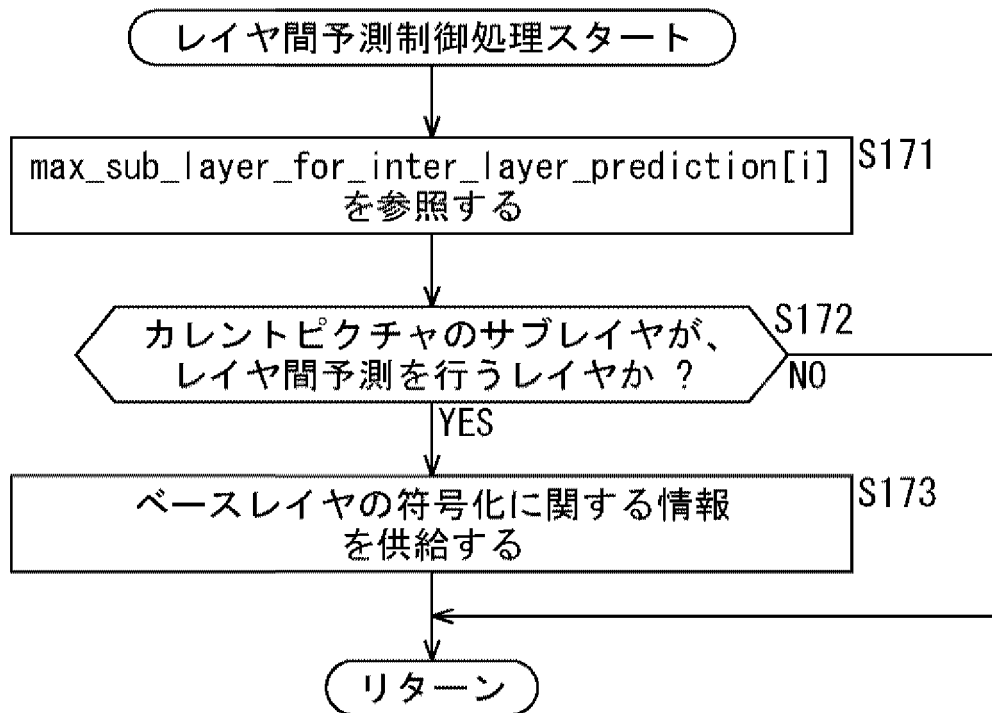
[図15]

図15



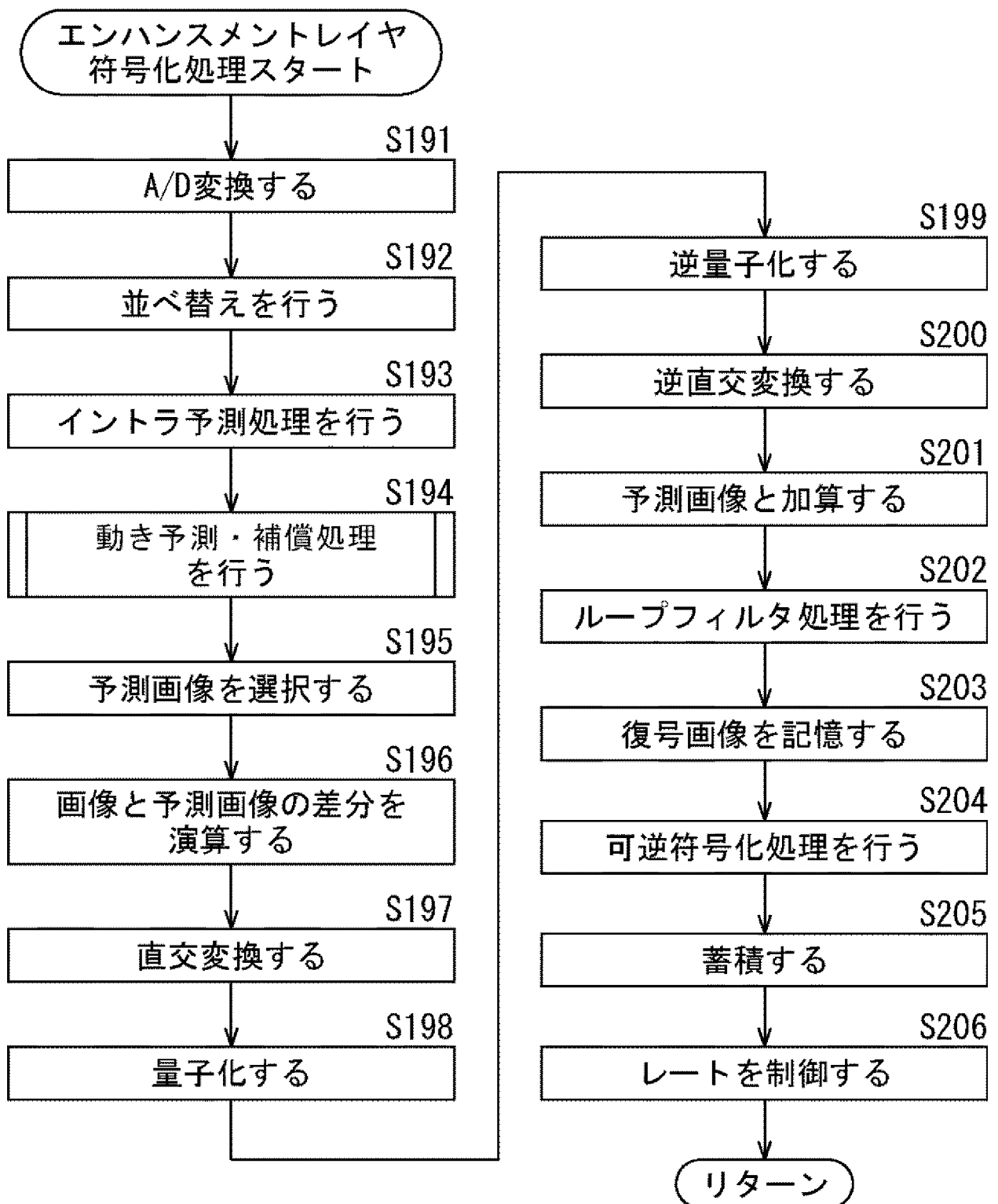
[図16]

図16



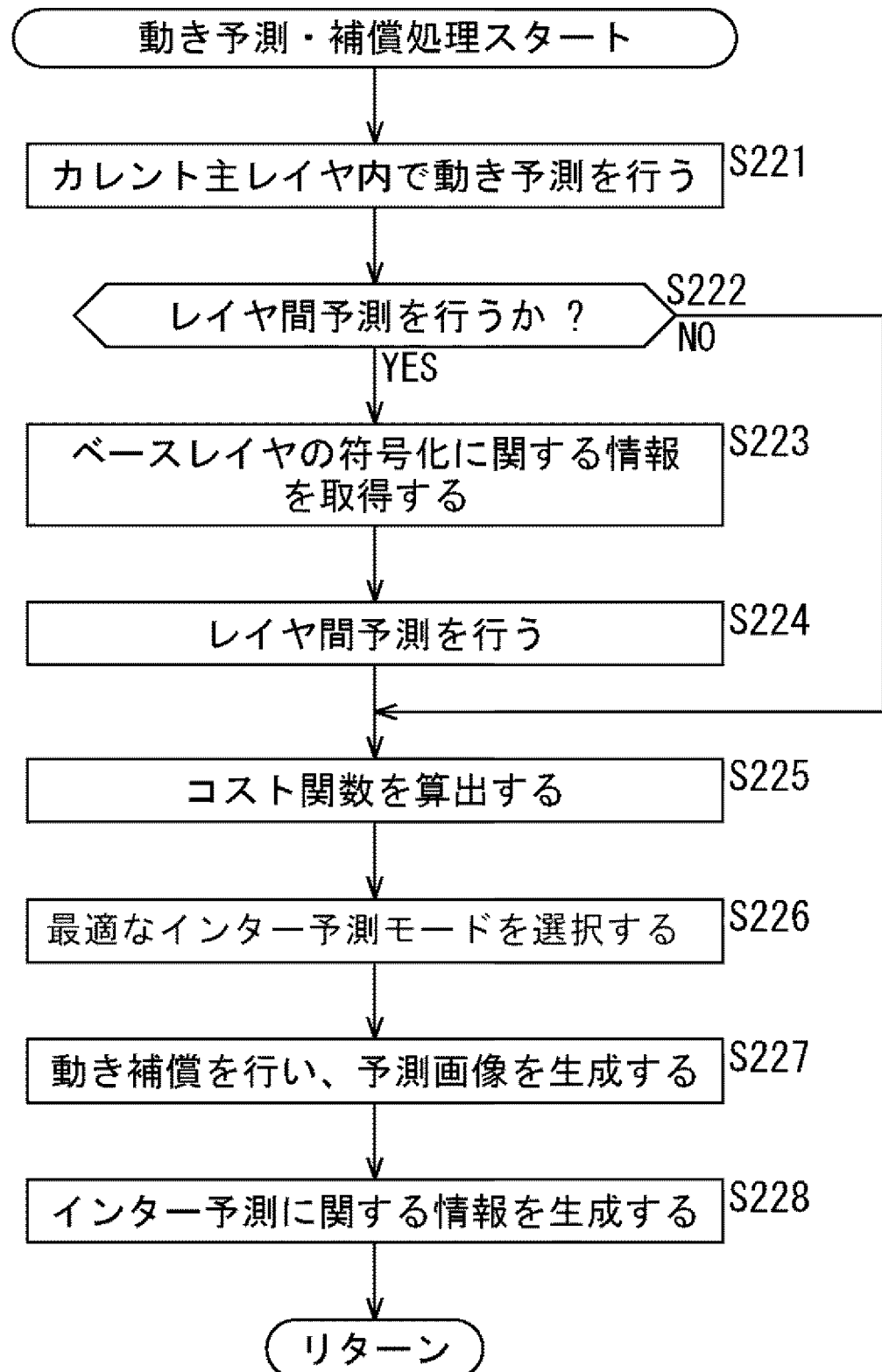
[図17]

図17

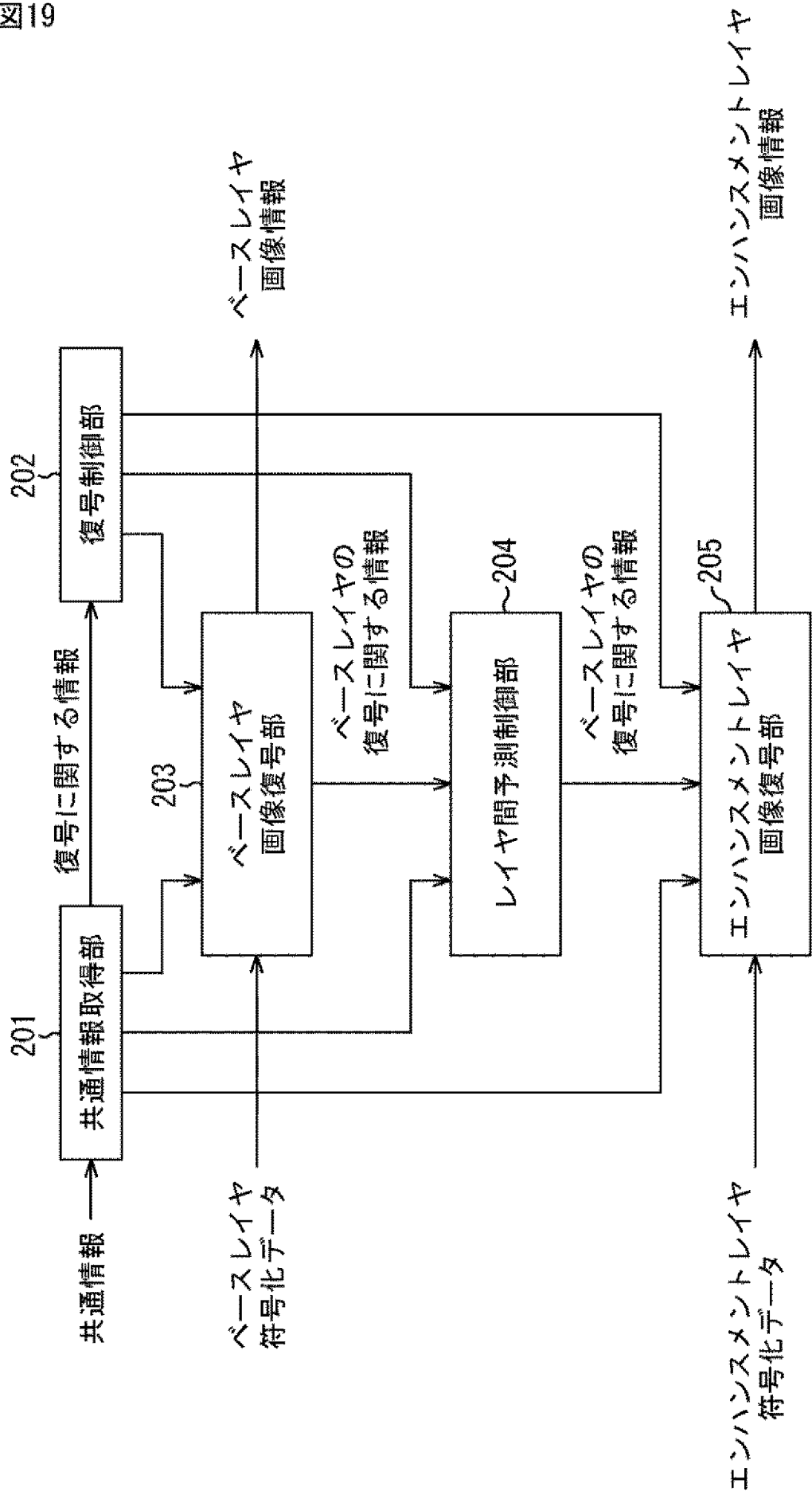


[図18]

図18

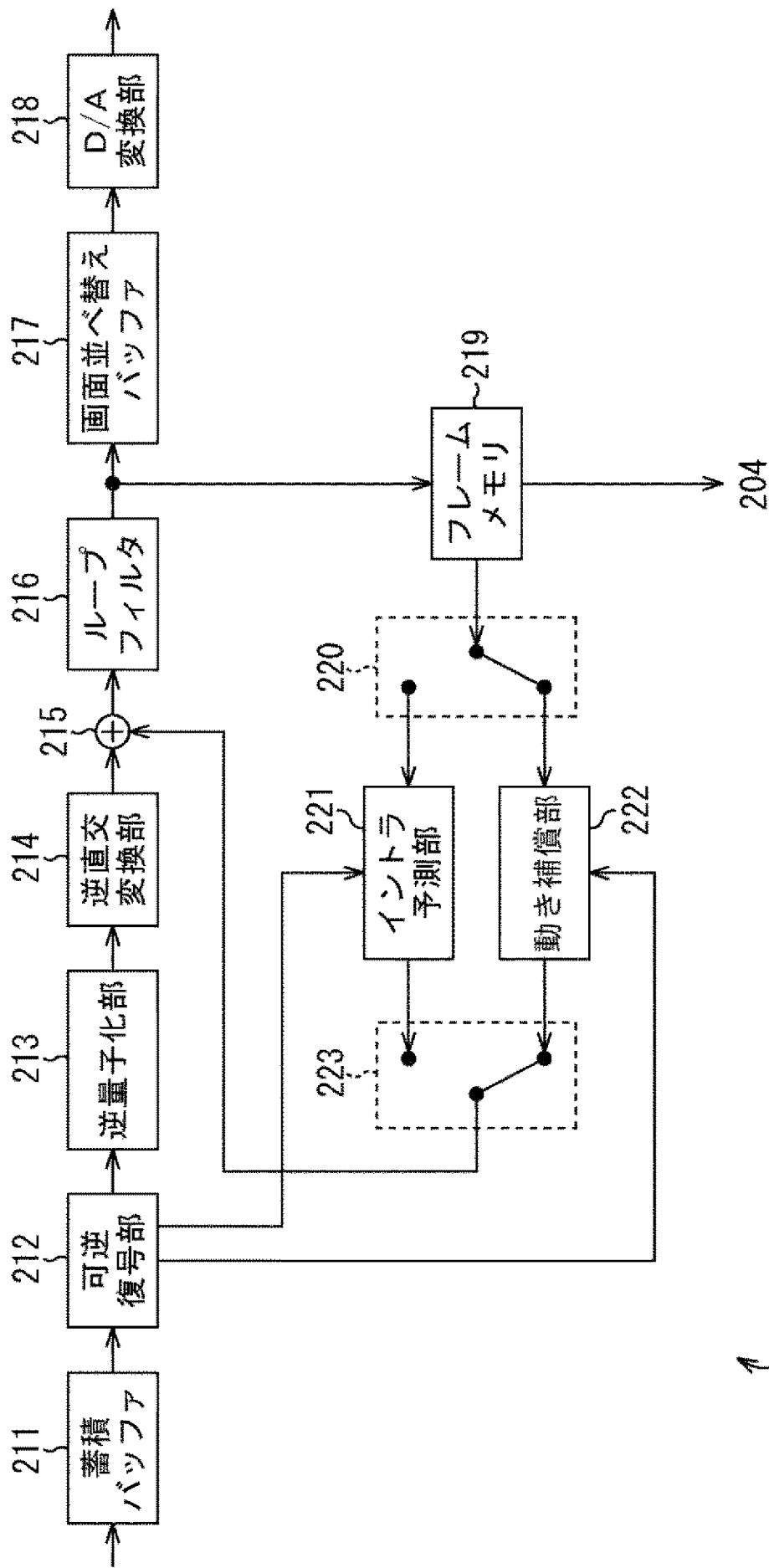


[図19]
図19



200

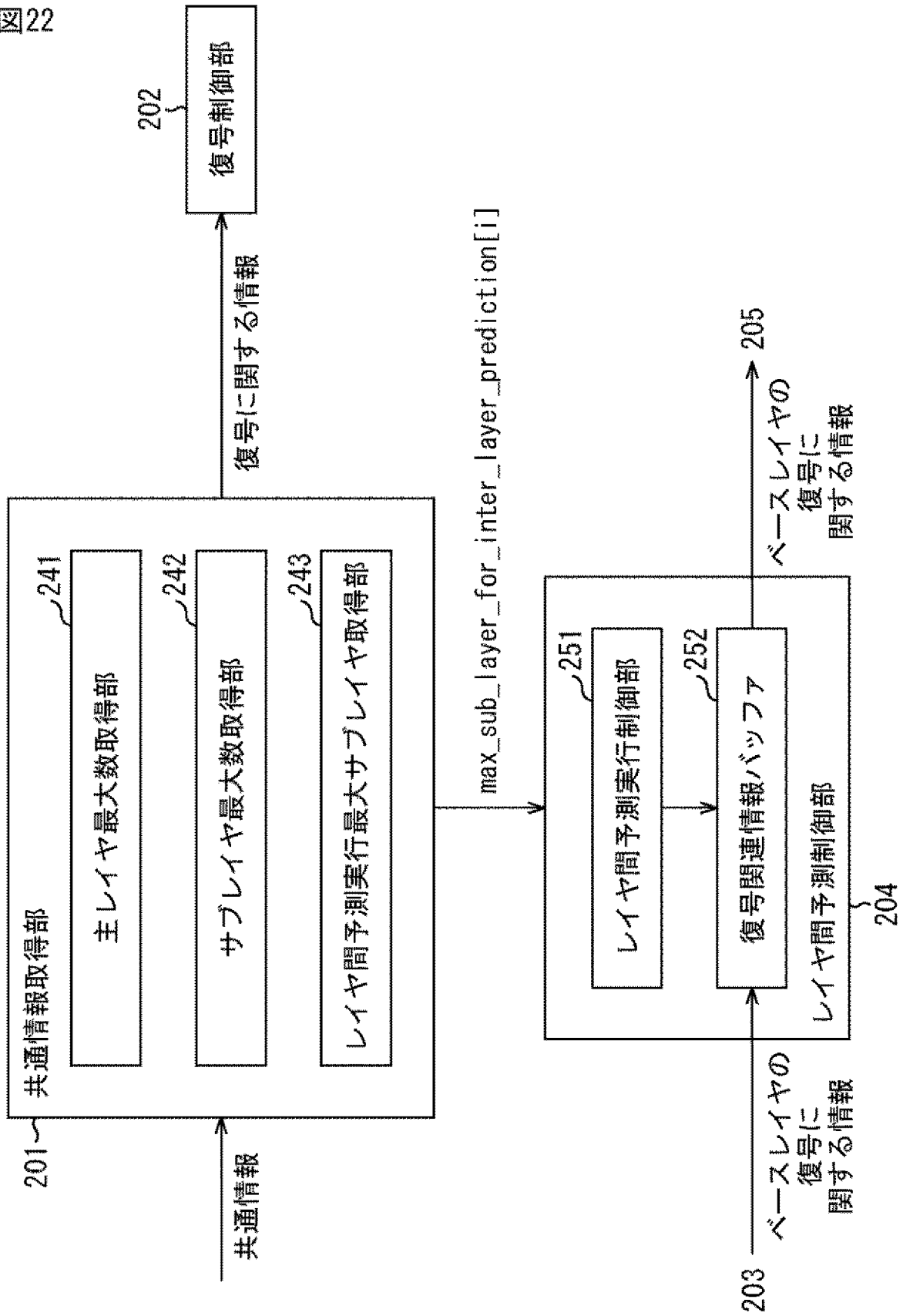
[図20]
図20



203

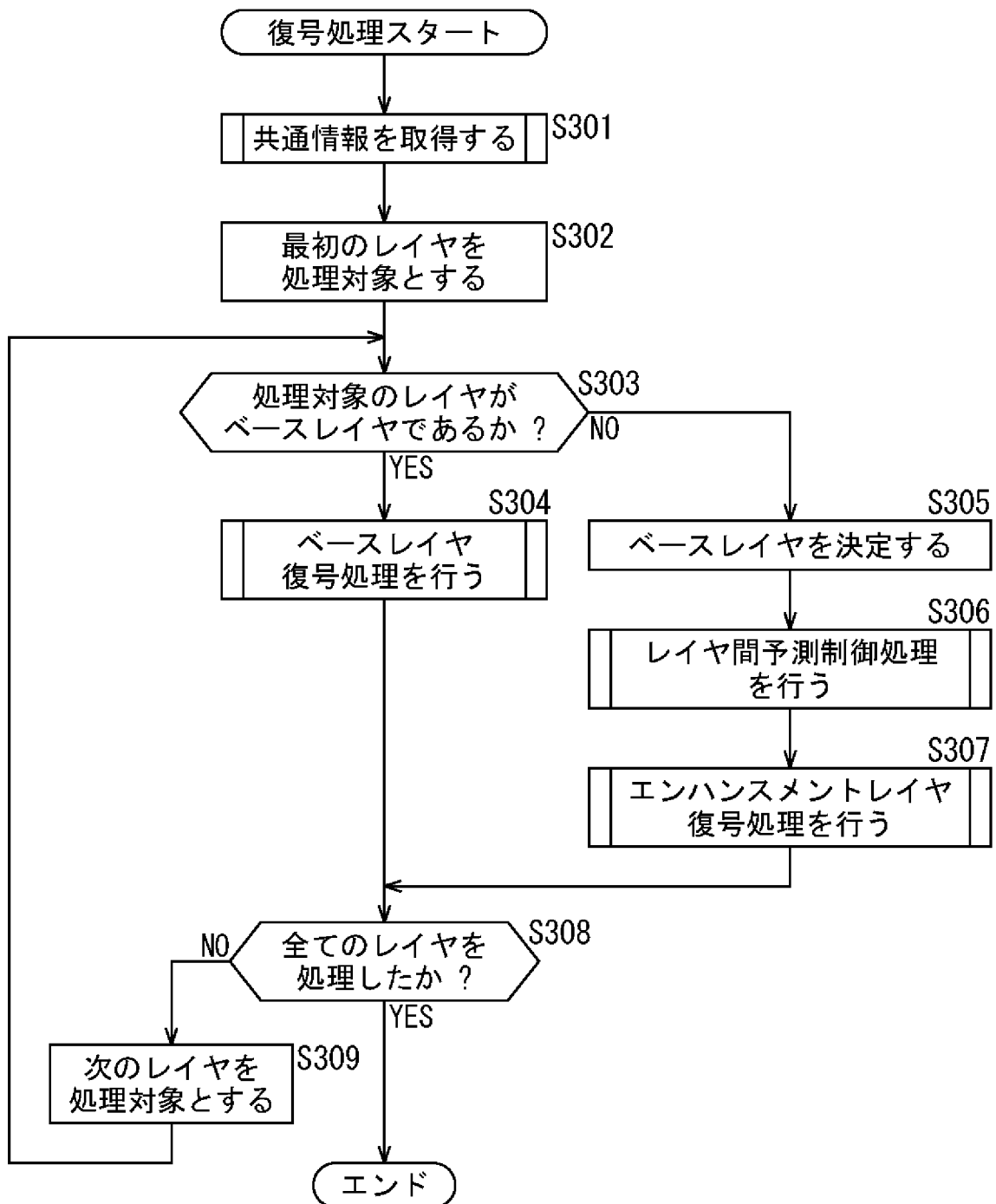
[図22]

図22



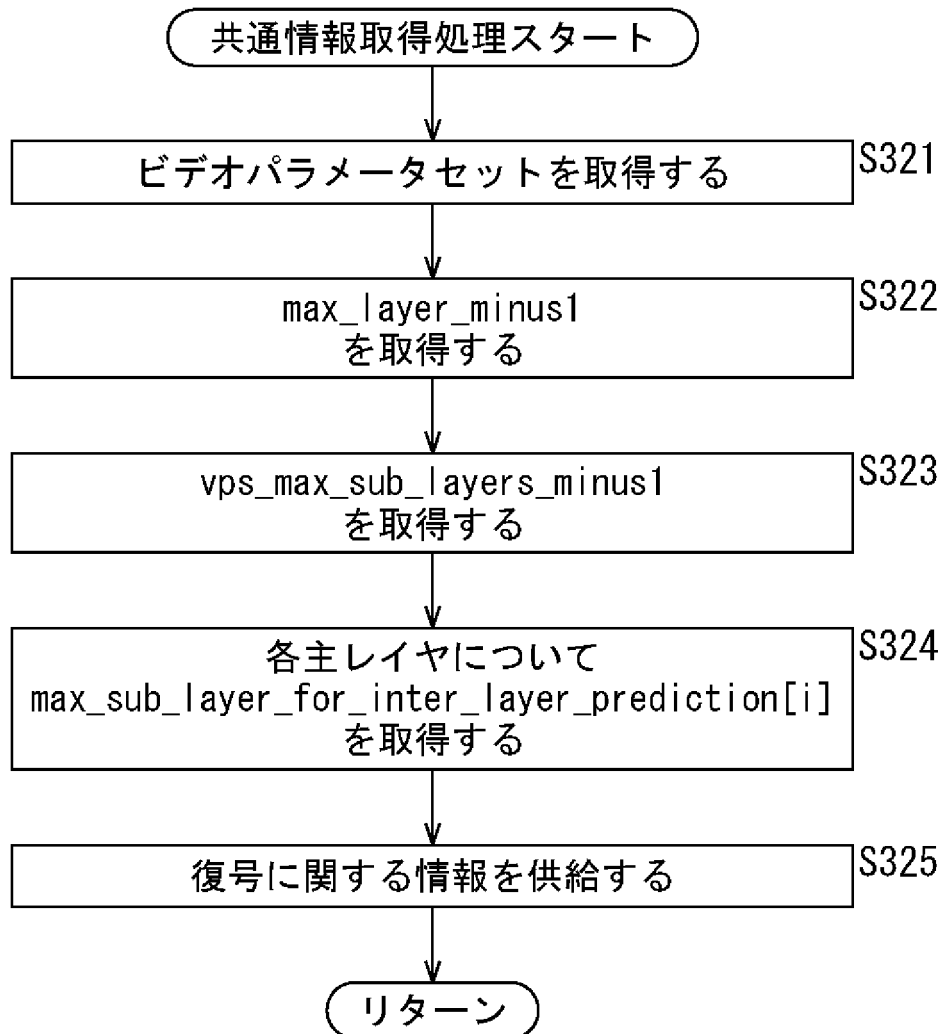
[図23]

図23



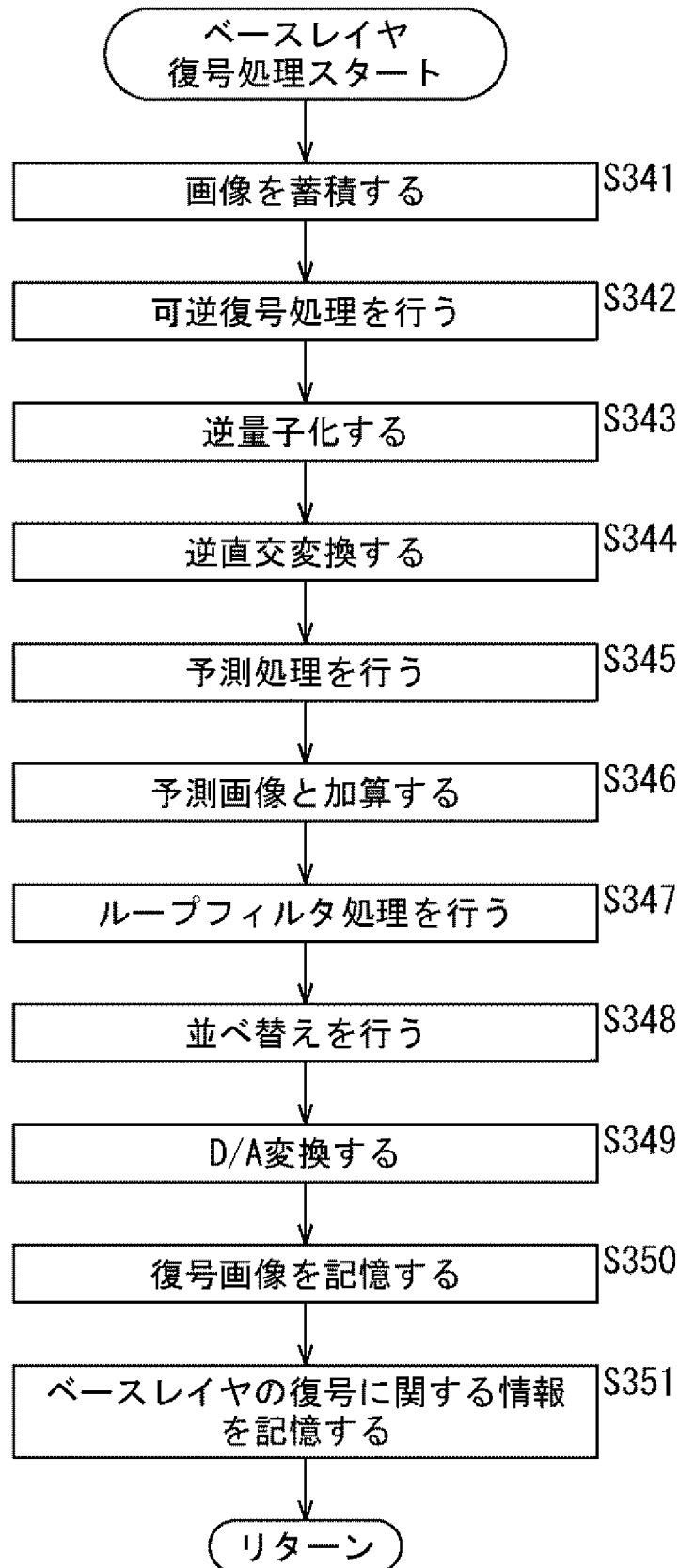
[図24]

図24



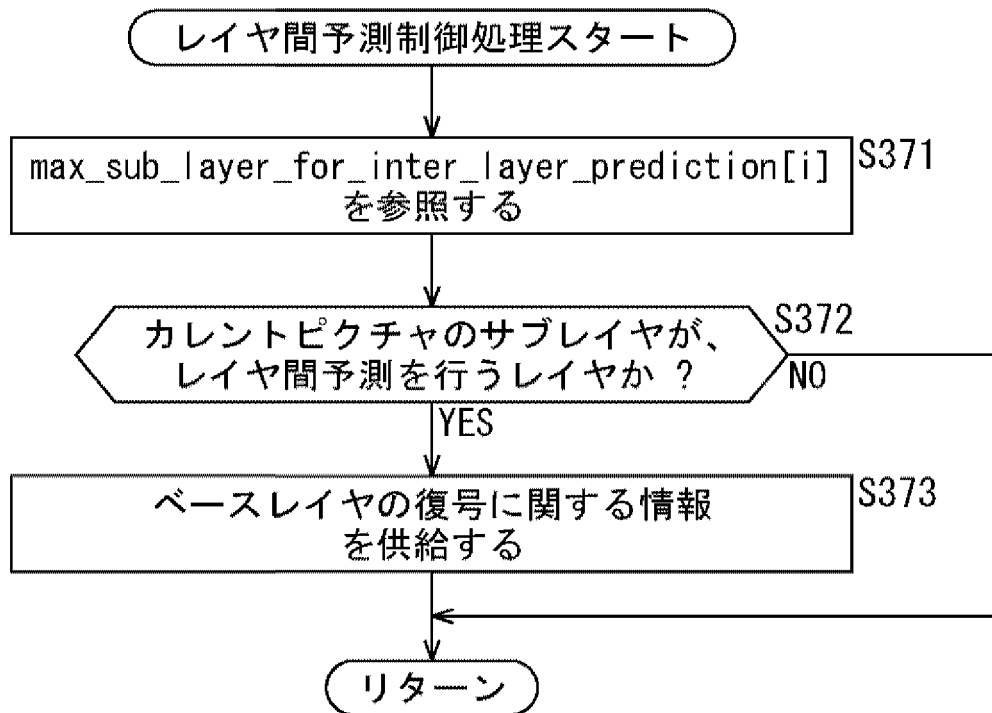
[図25]

図25



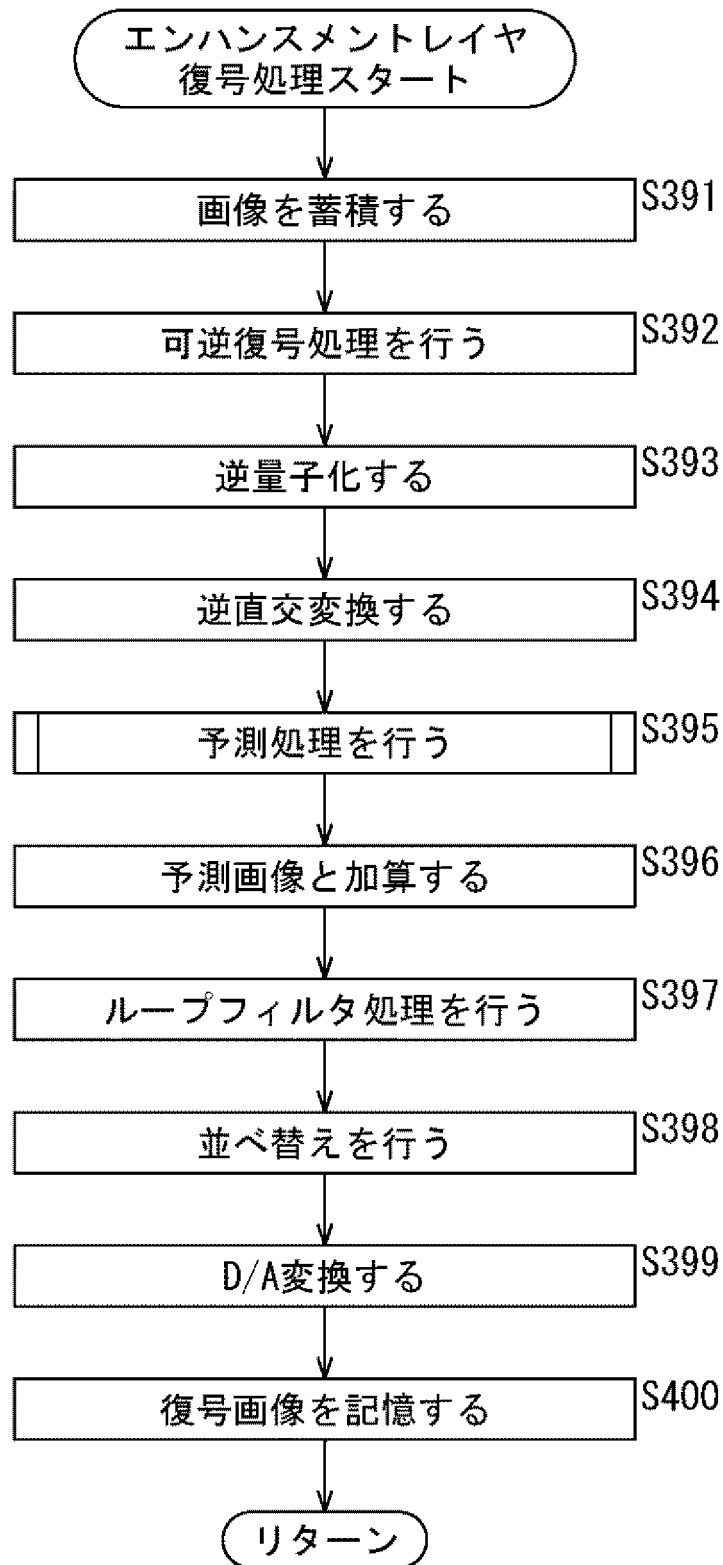
[図26]

図26



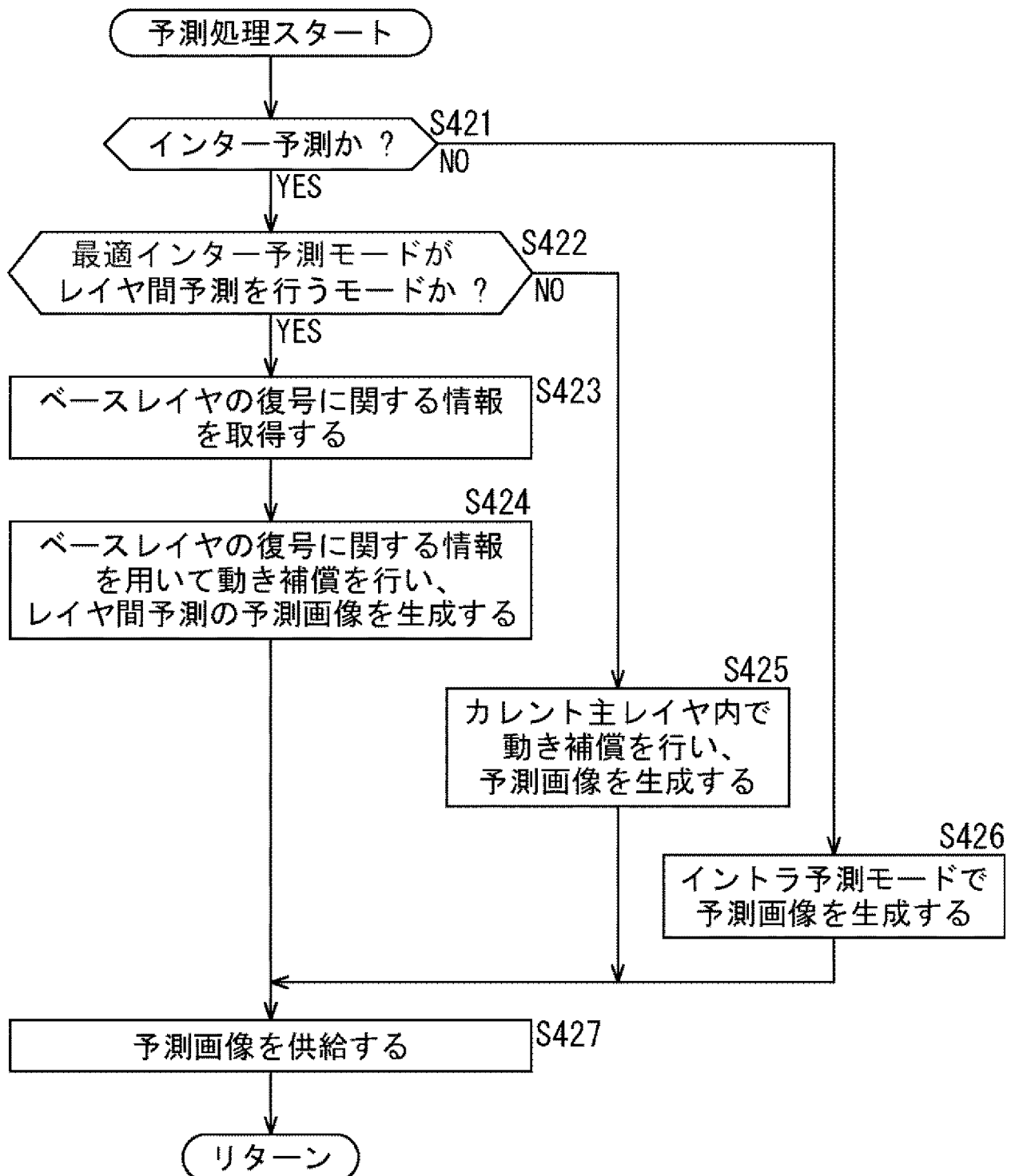
[図27]

図27



[図28]

図28



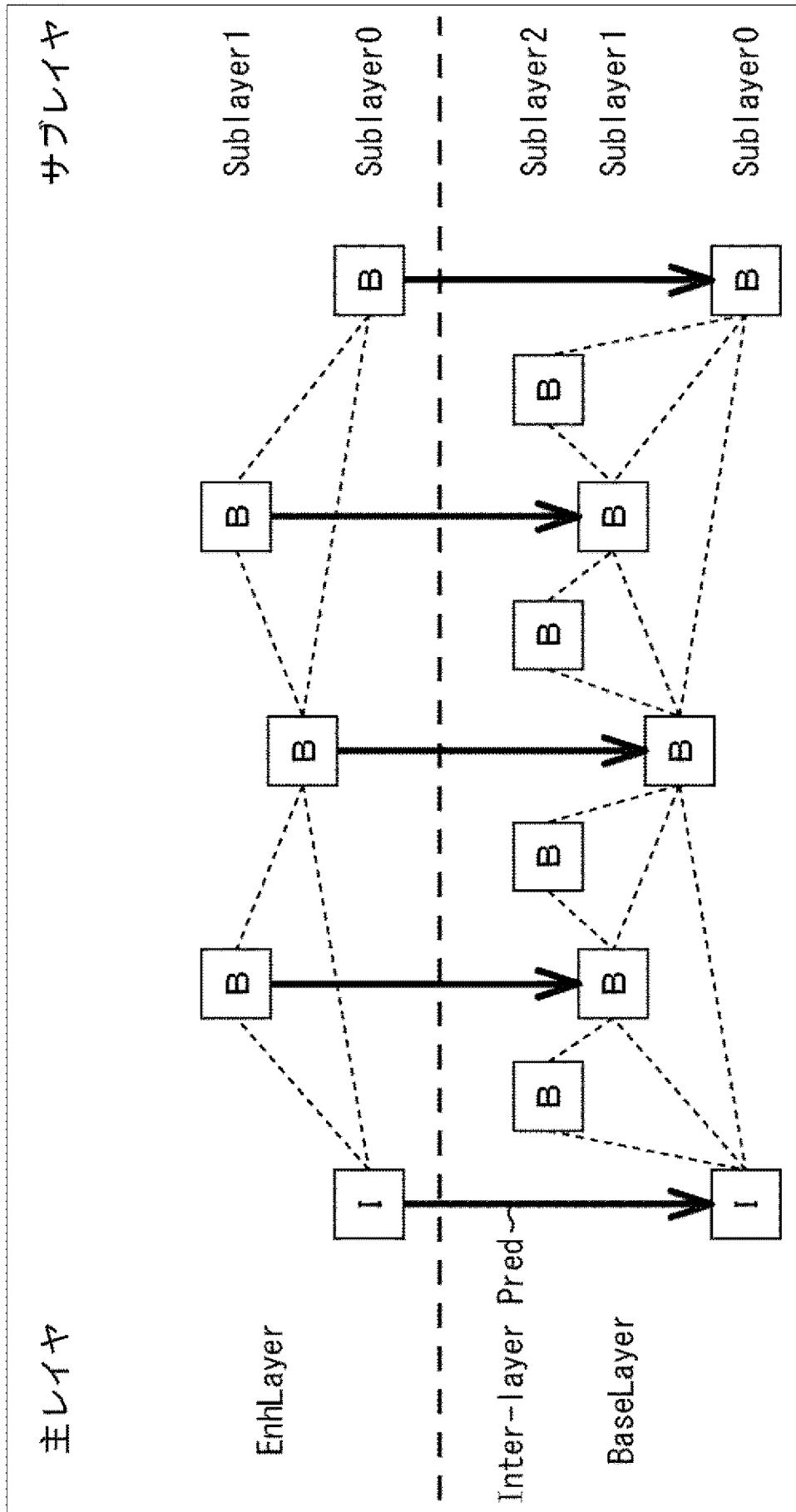
[図29]

図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()	
}	

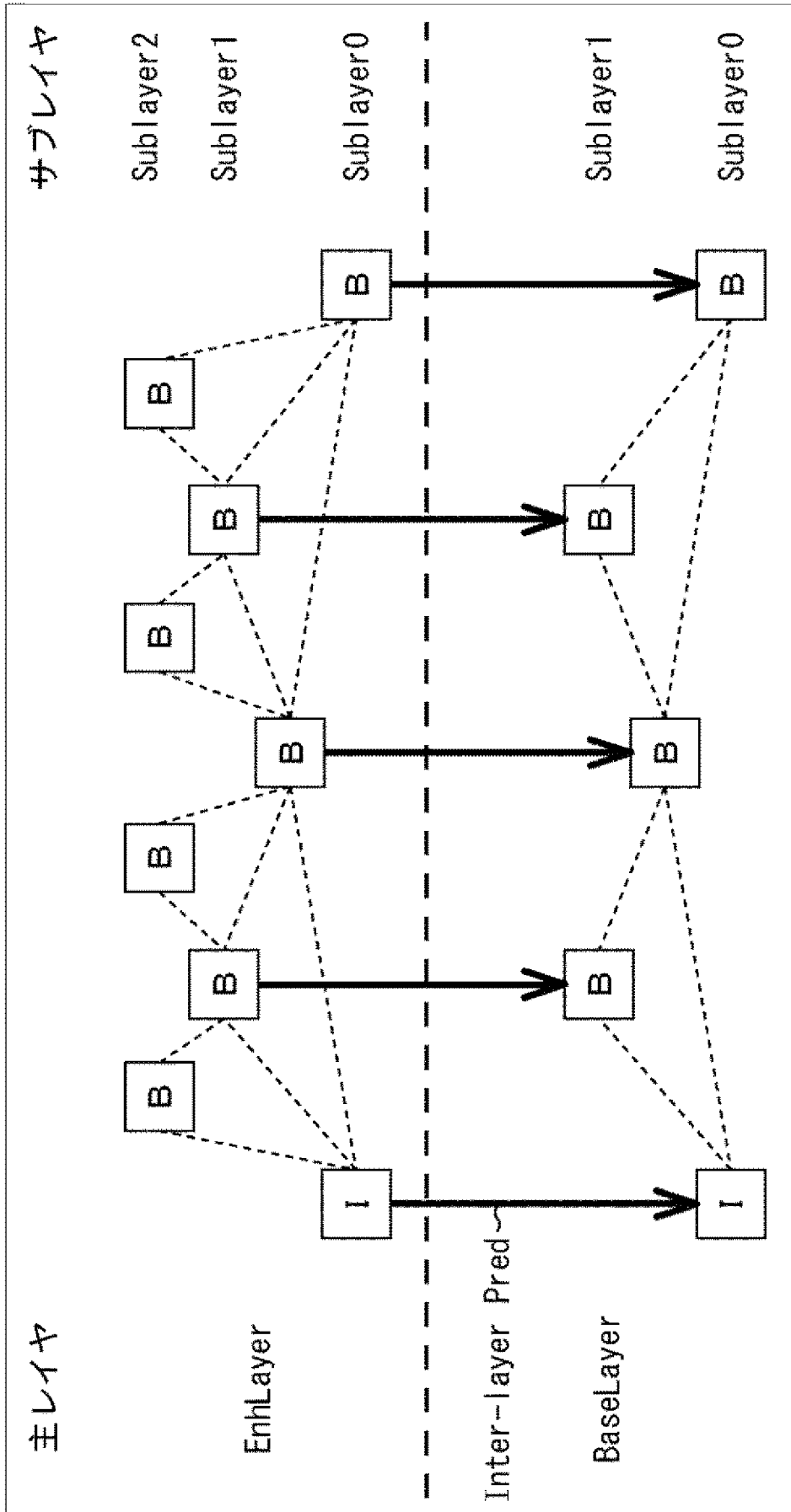
[図30]

図30



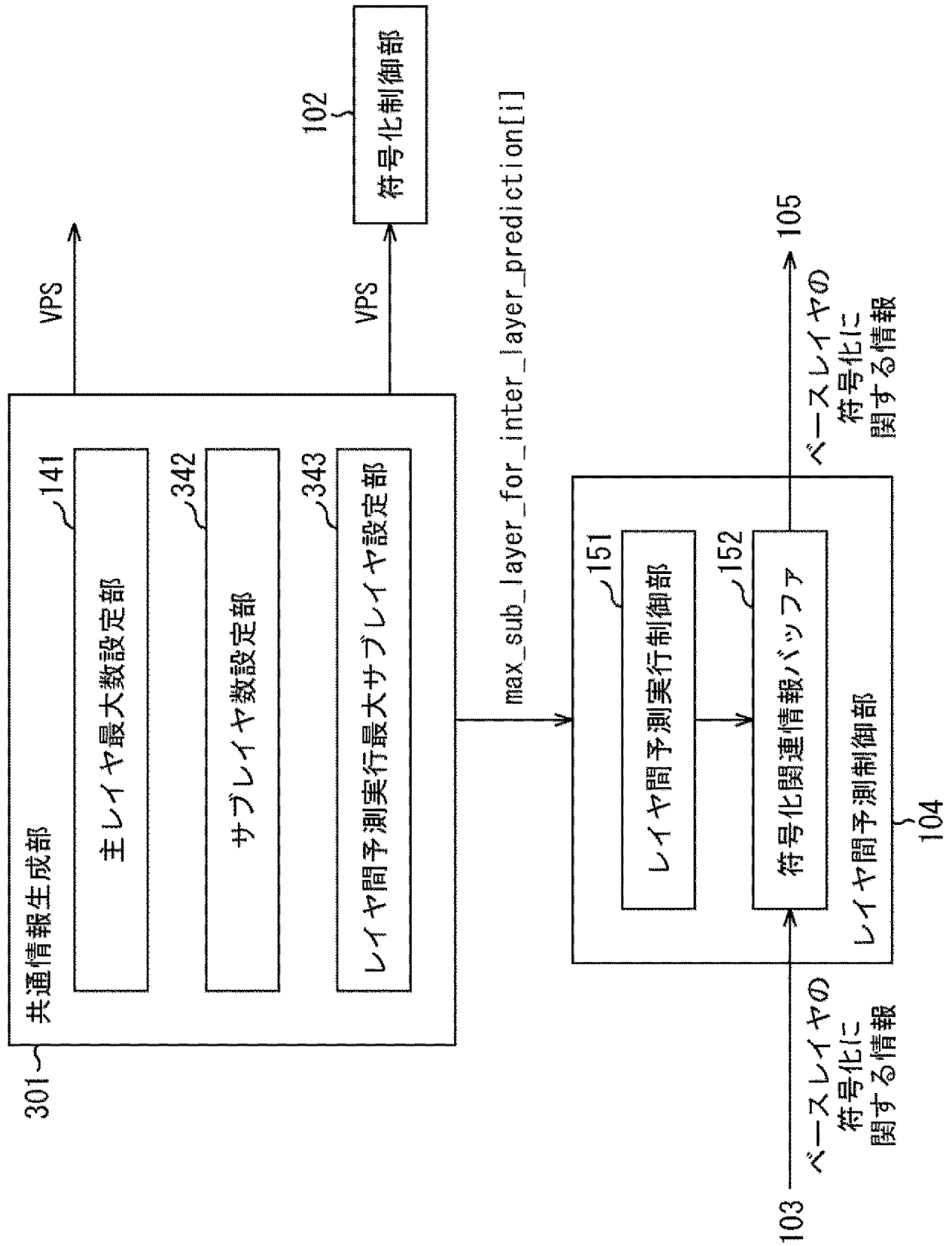
[図31]

図31



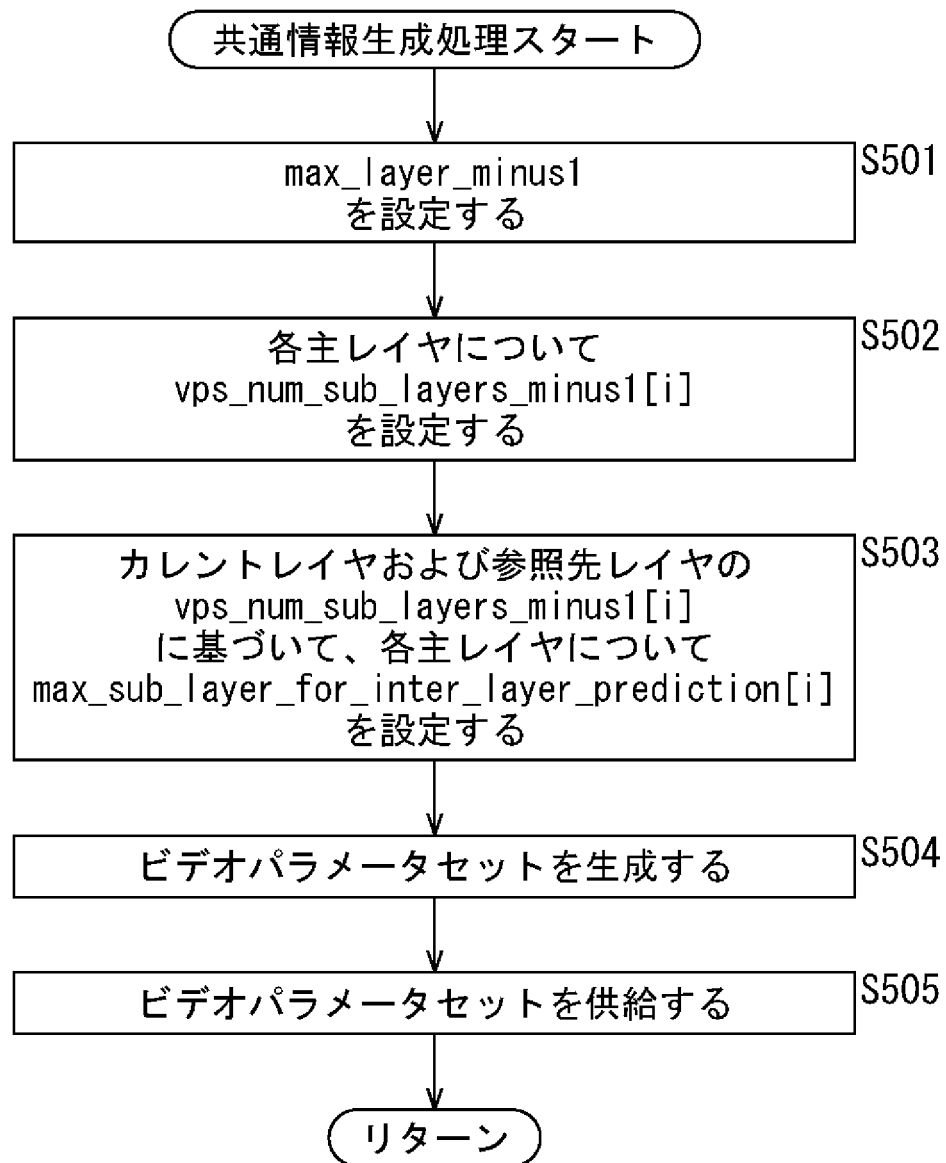
[図32]

図32



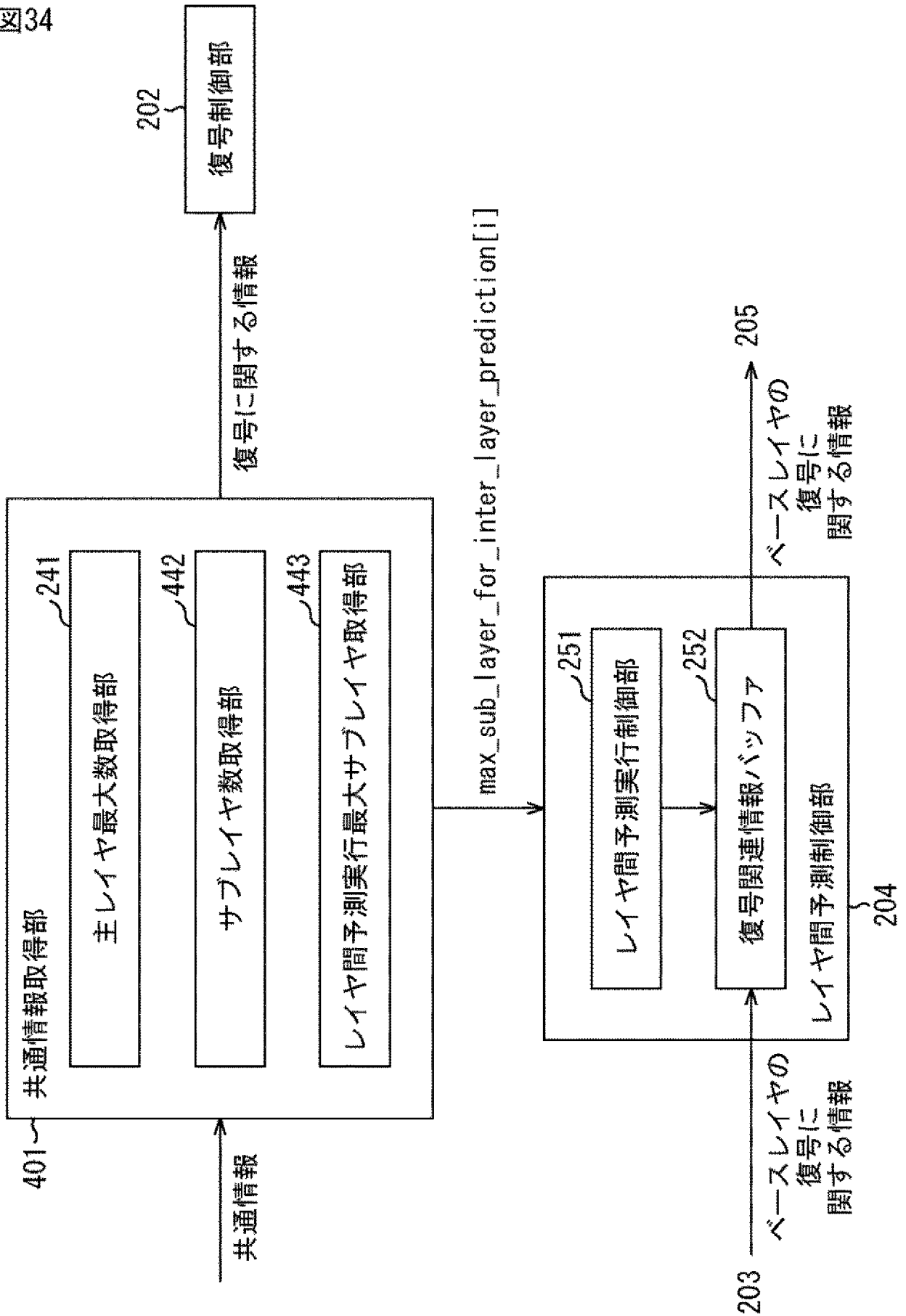
[図33]

図33



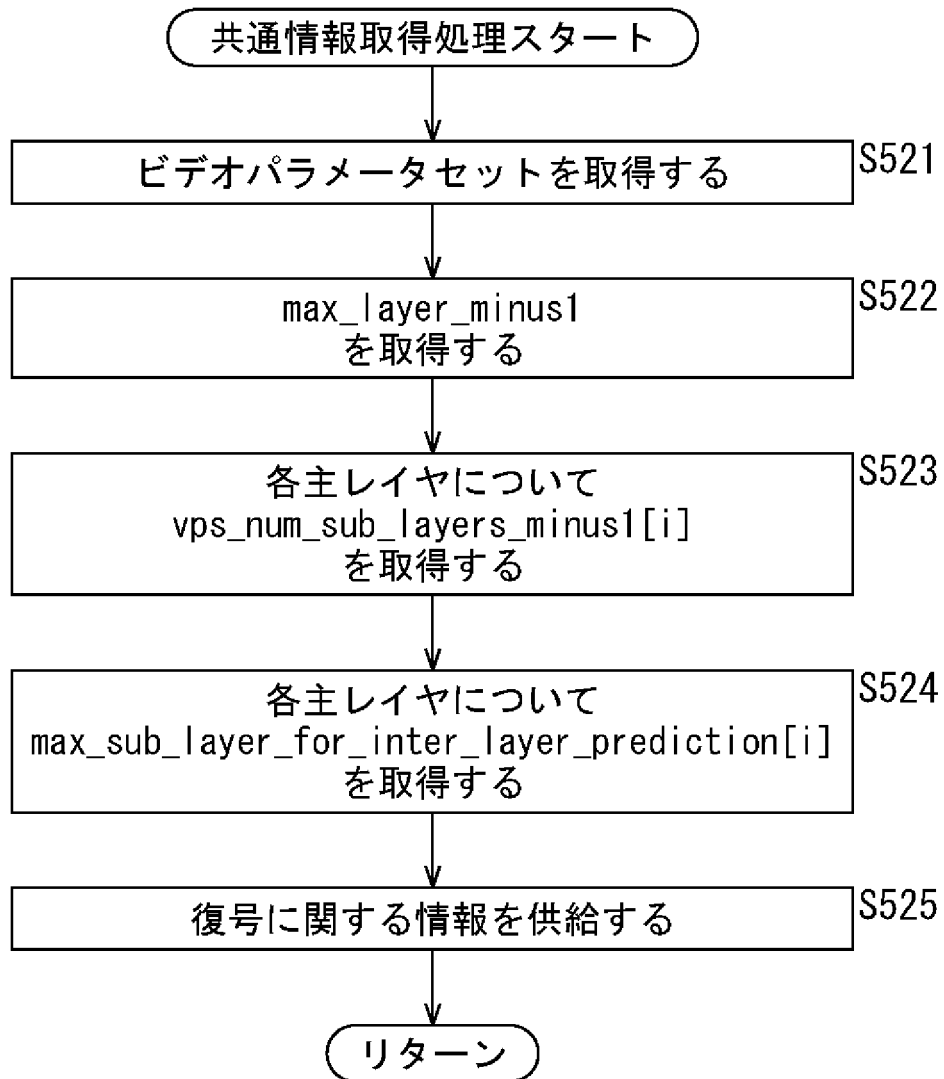
[図34]

図34



[図35]

図35



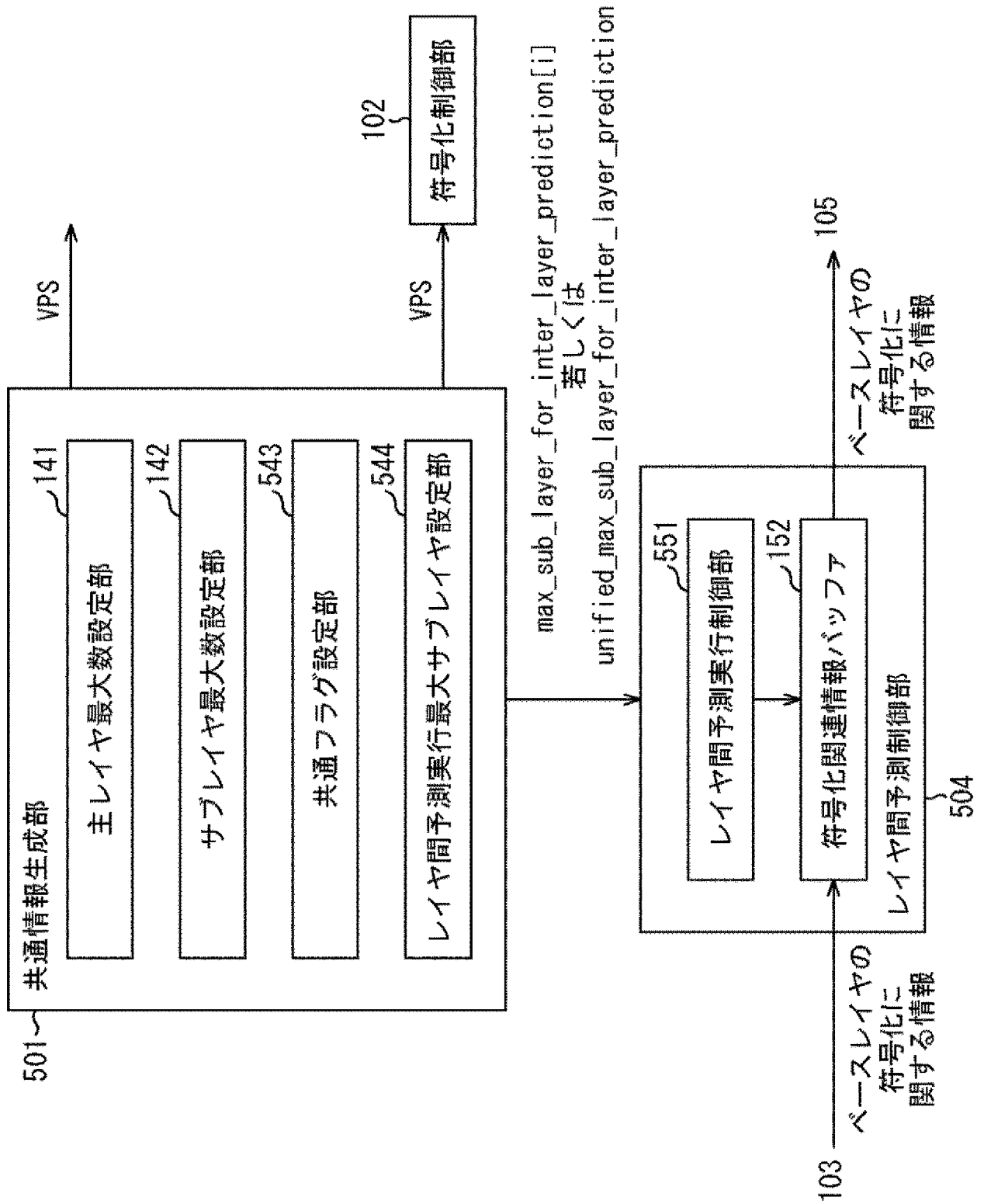
[図36]

図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)
}	
rbsp_trailing_bits()	
}	

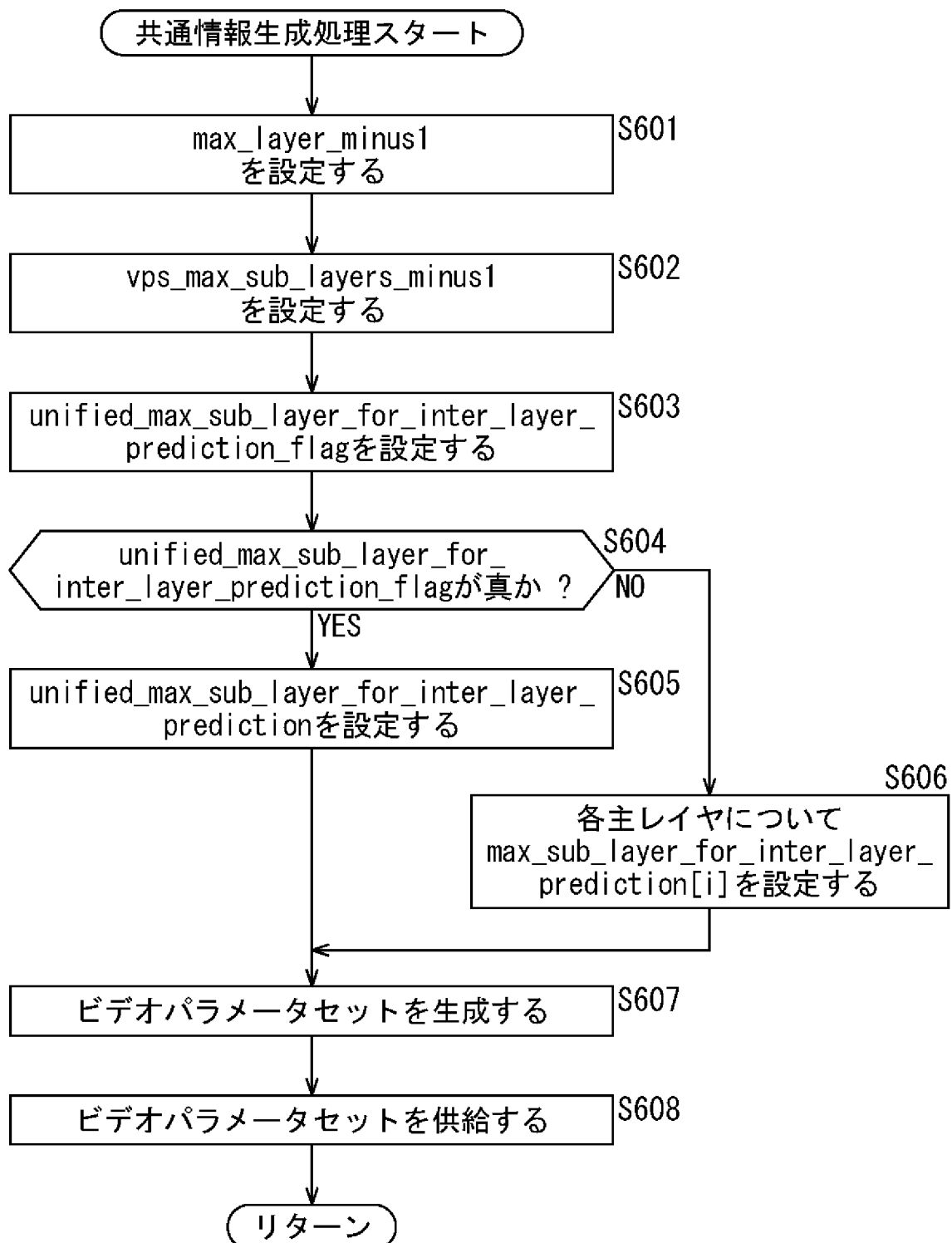
[図37]

図37



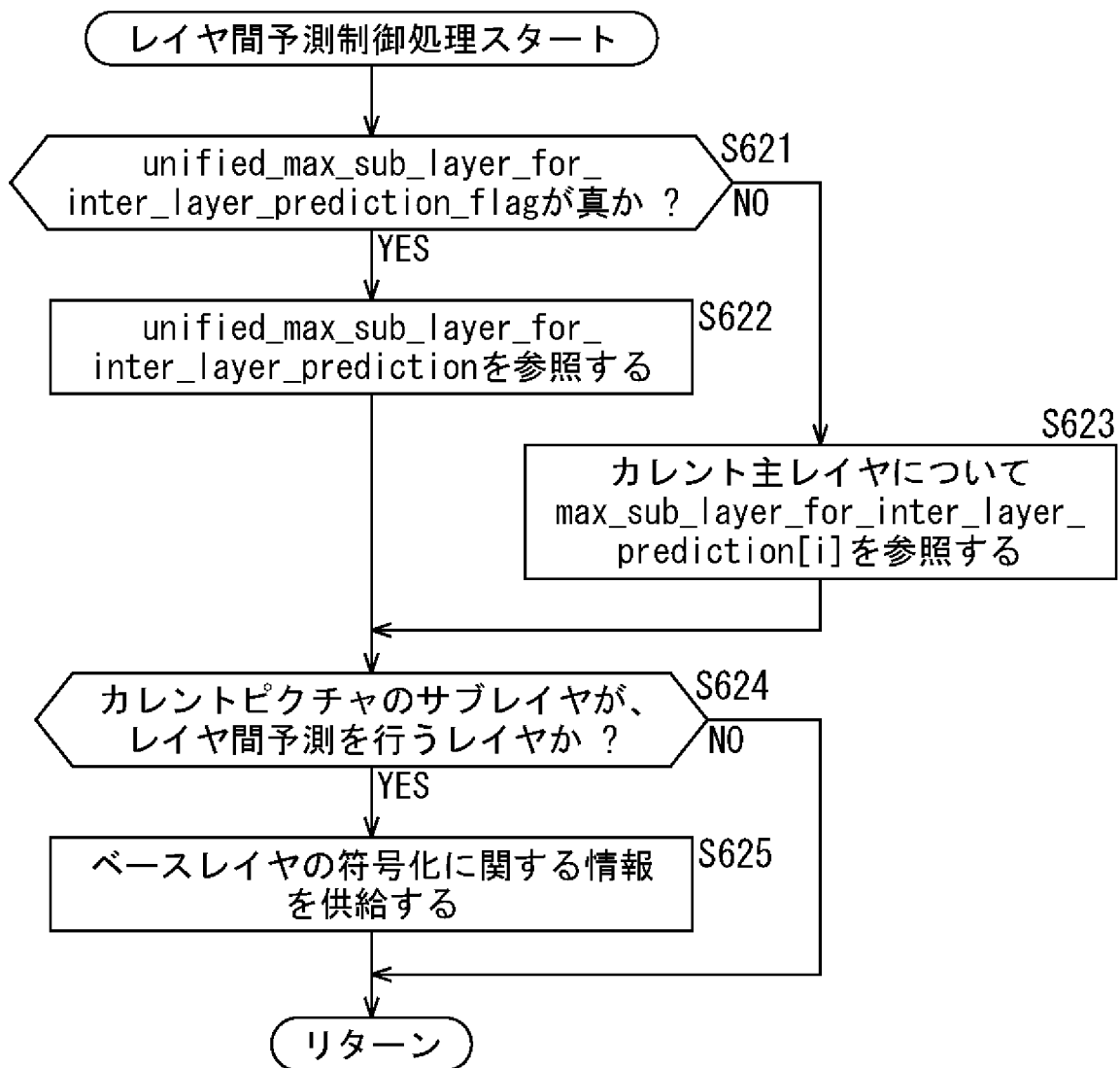
[図38]

図38



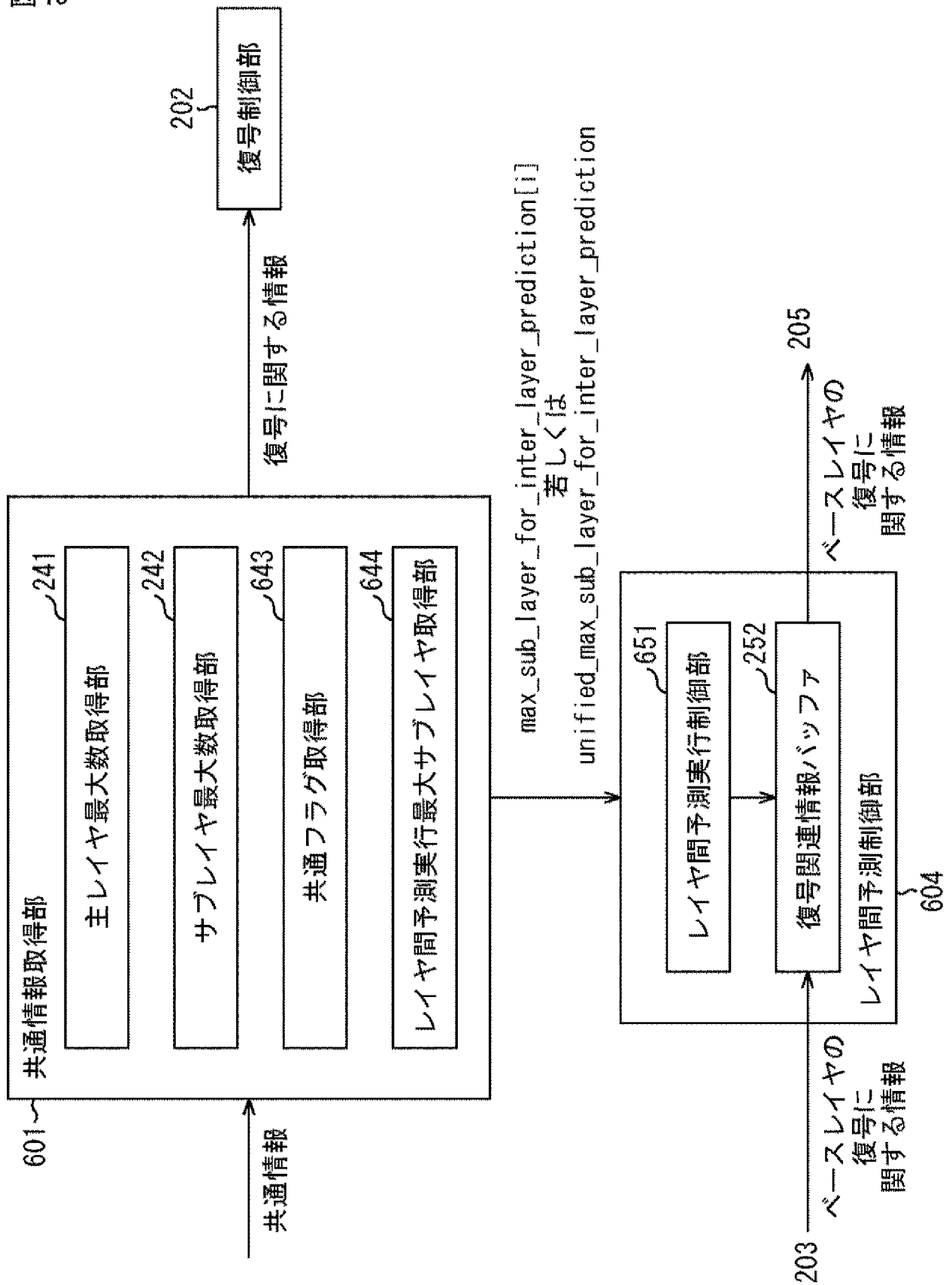
[図39]

図39



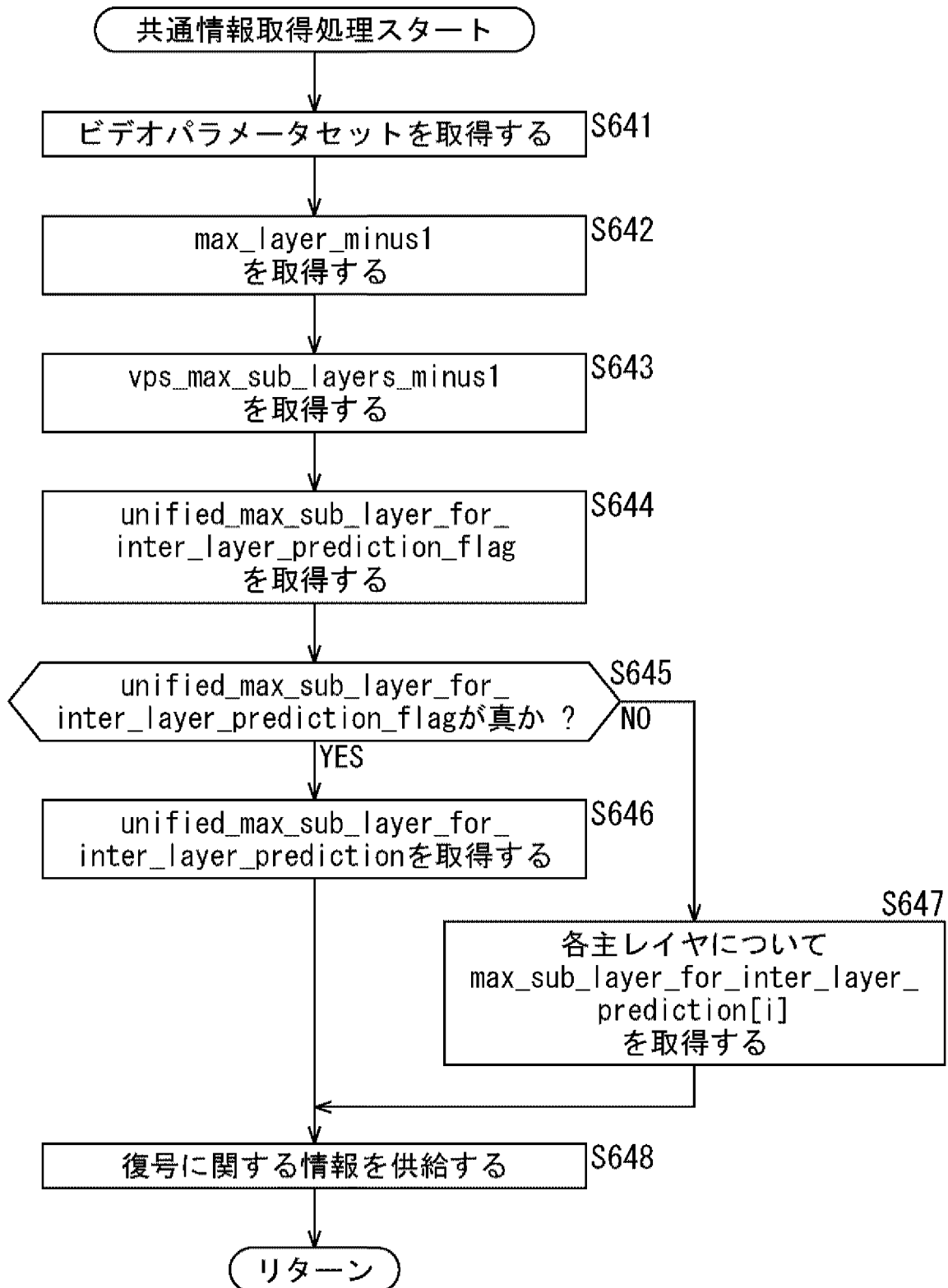
[図40]

図40



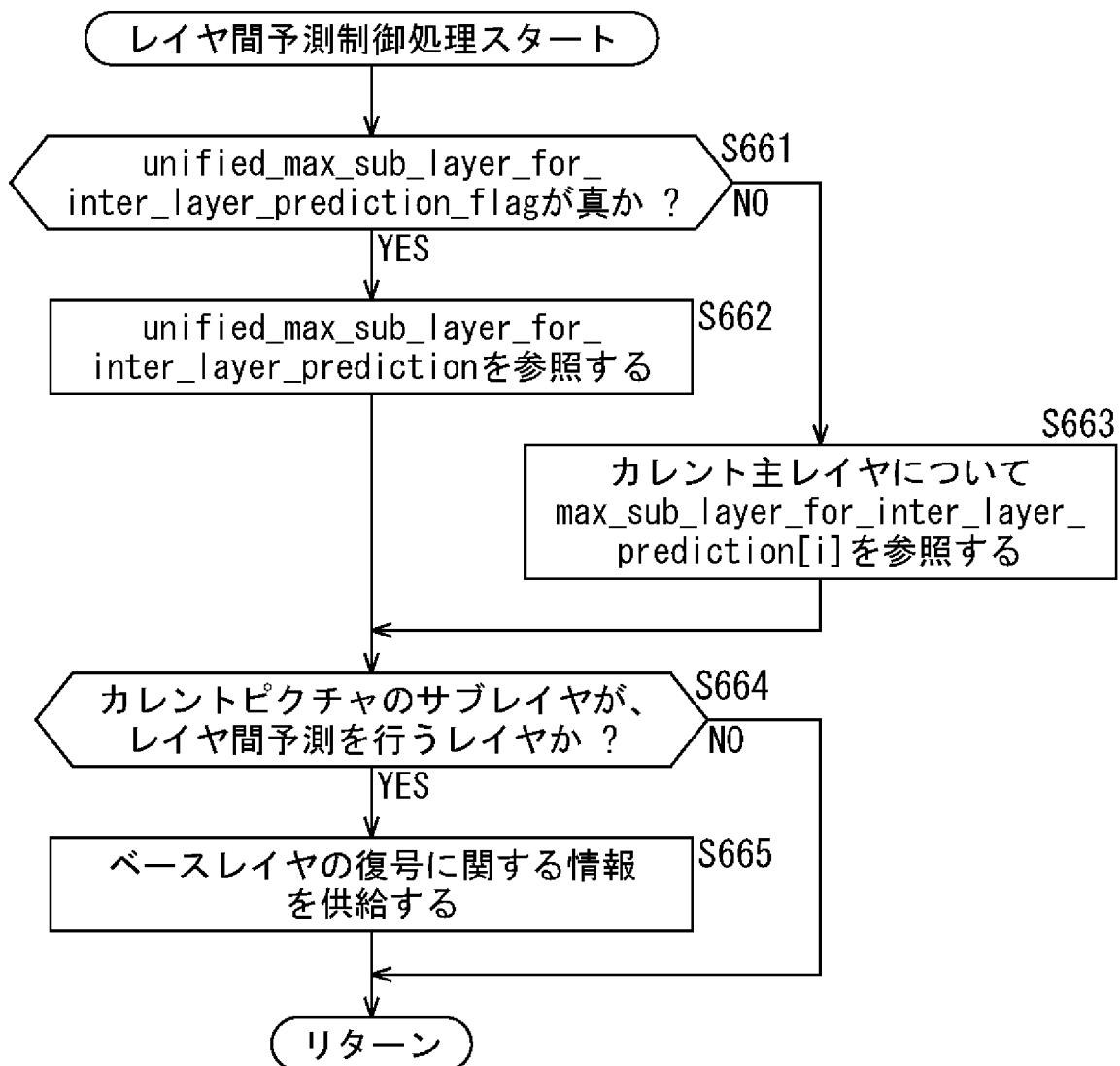
[図41]

図41



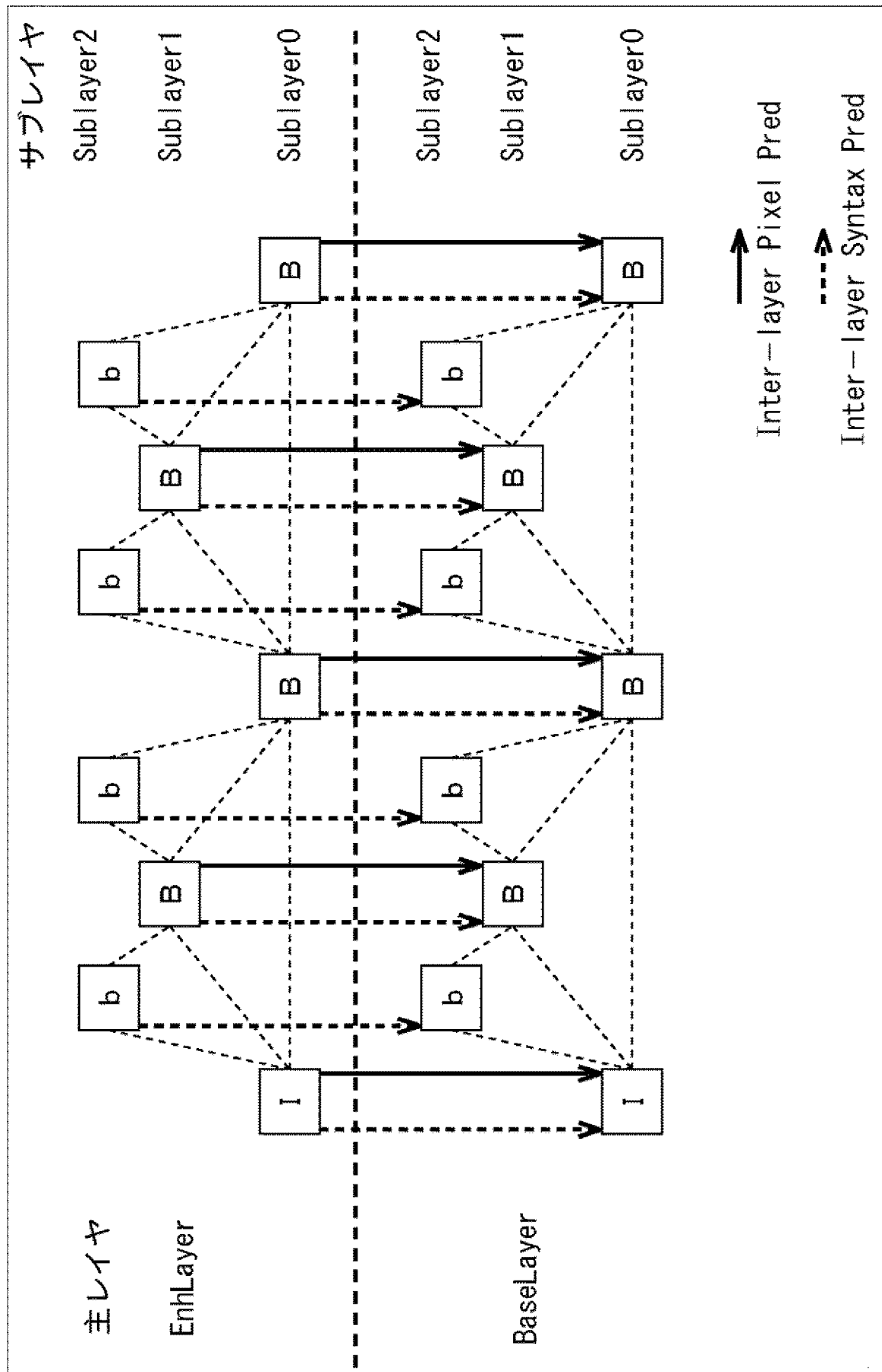
[図42]

図42



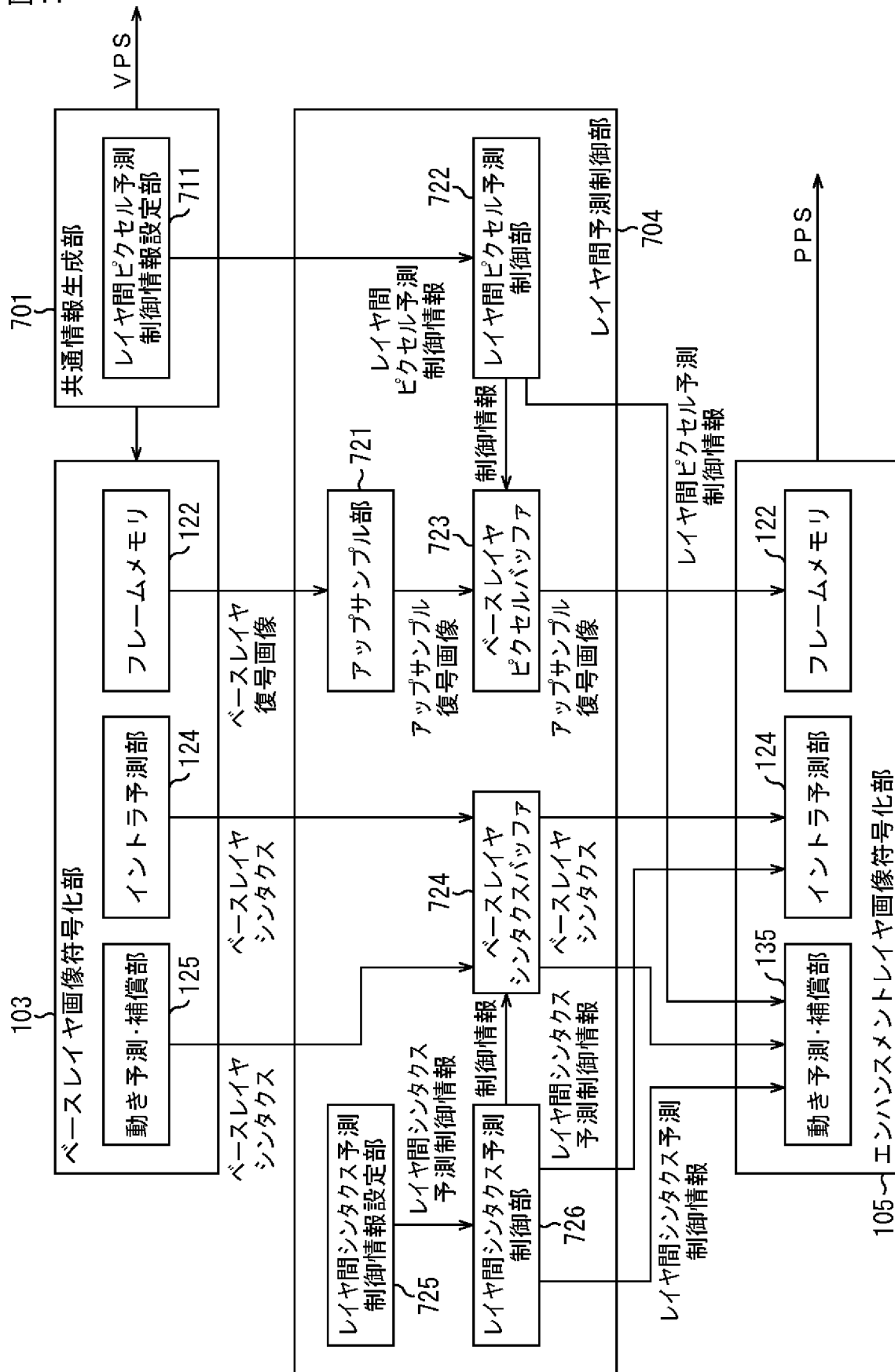
[図43]

図43



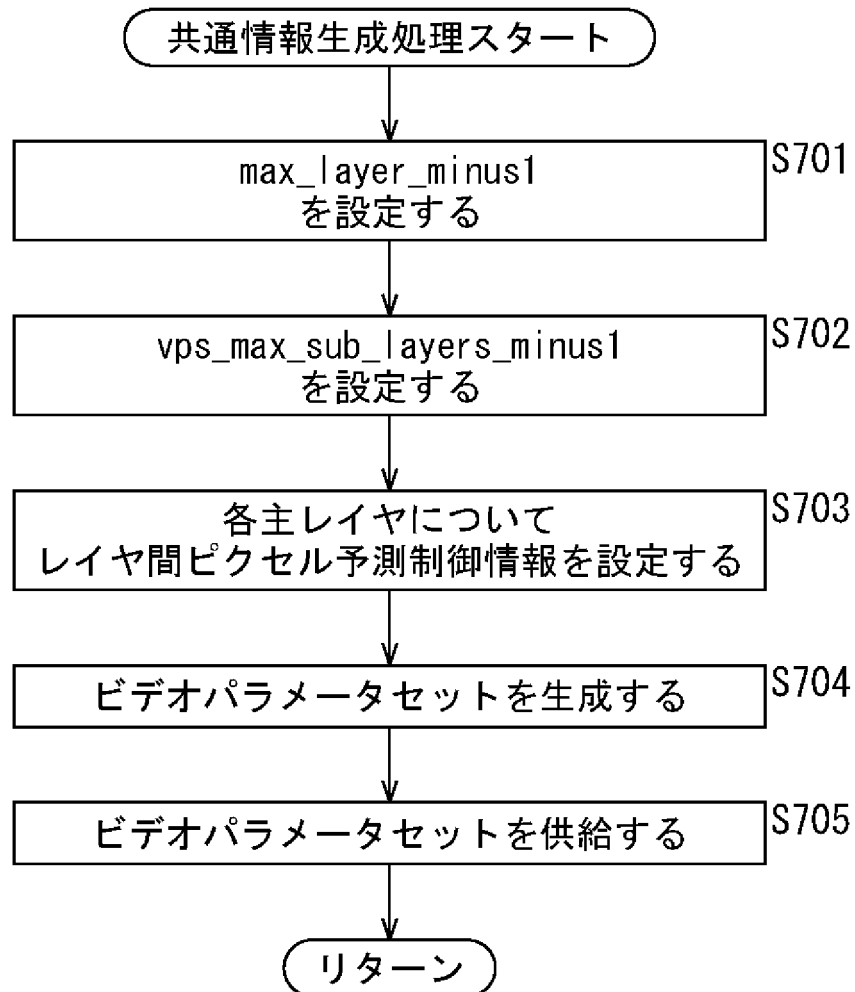
[図44]

図44



[図45]

図45



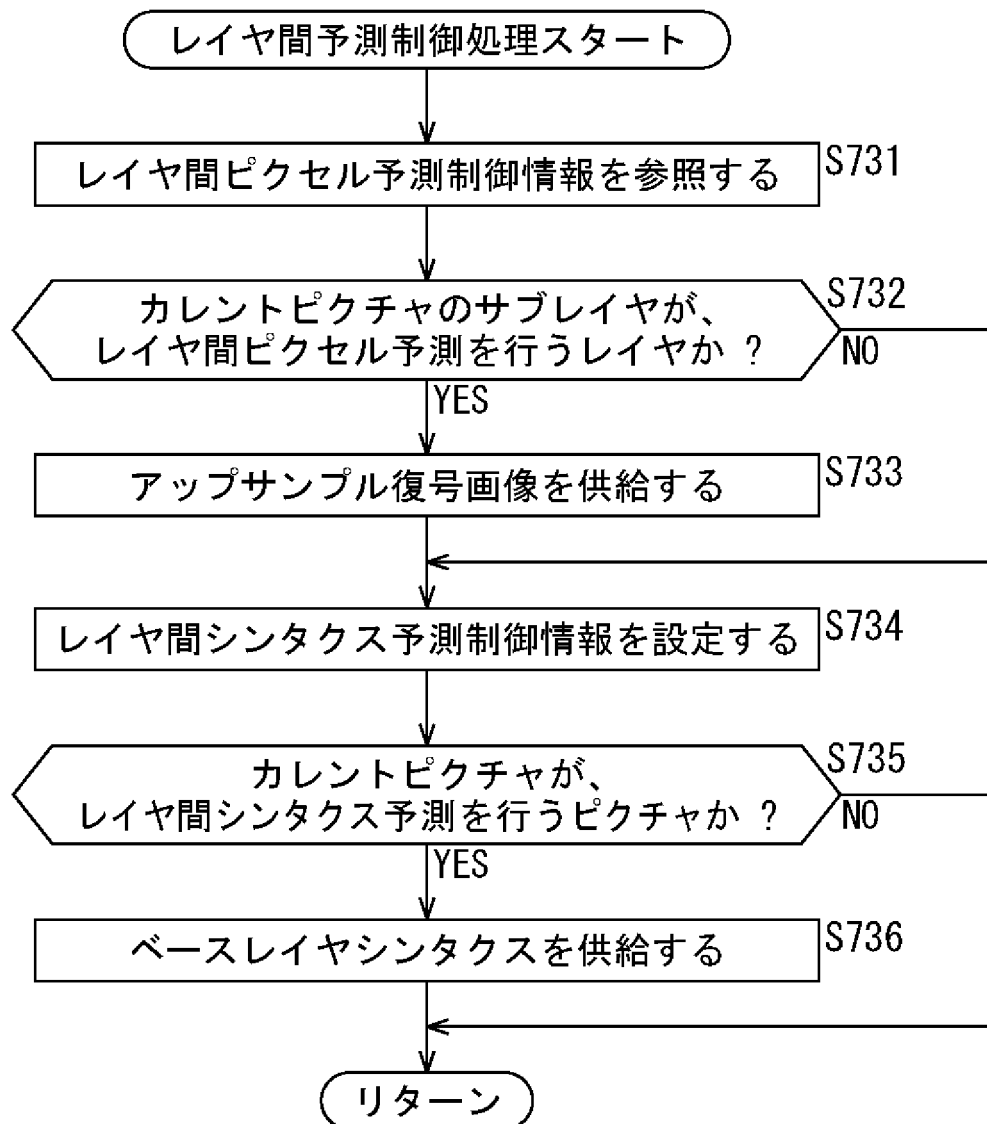
[図46]

図46



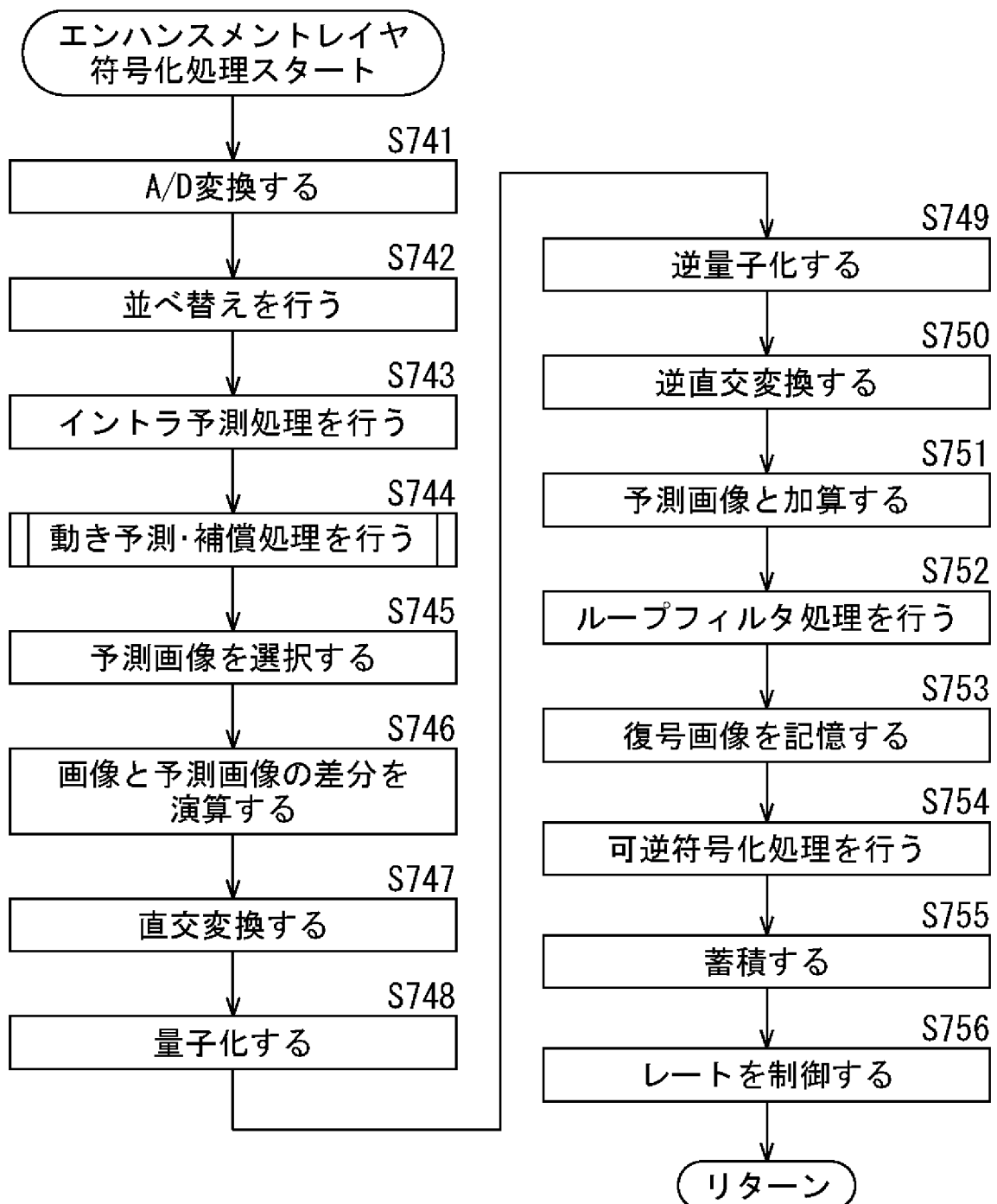
[図47]

図47



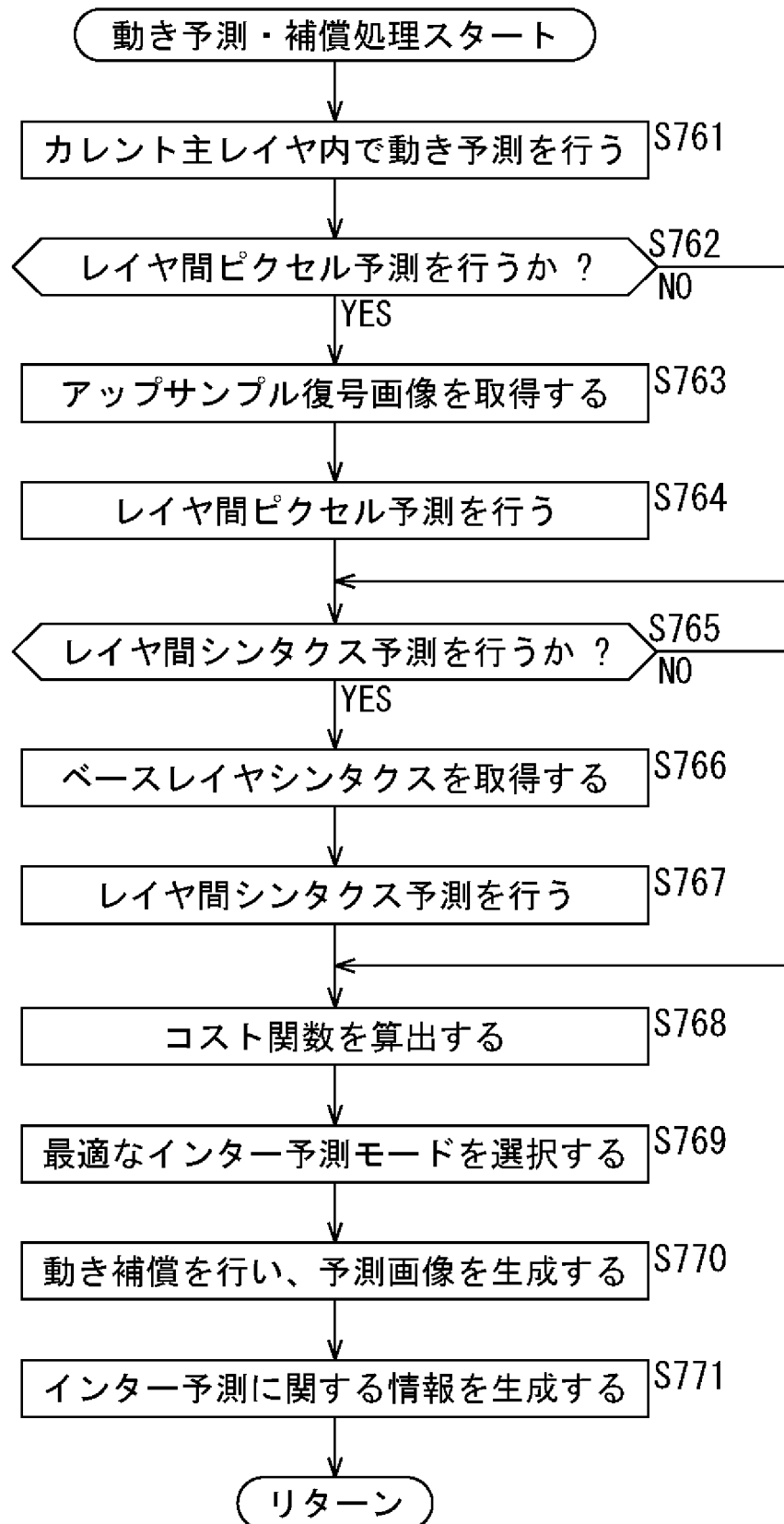
[図48]

図48



[図49]

図49



[図50]

図50

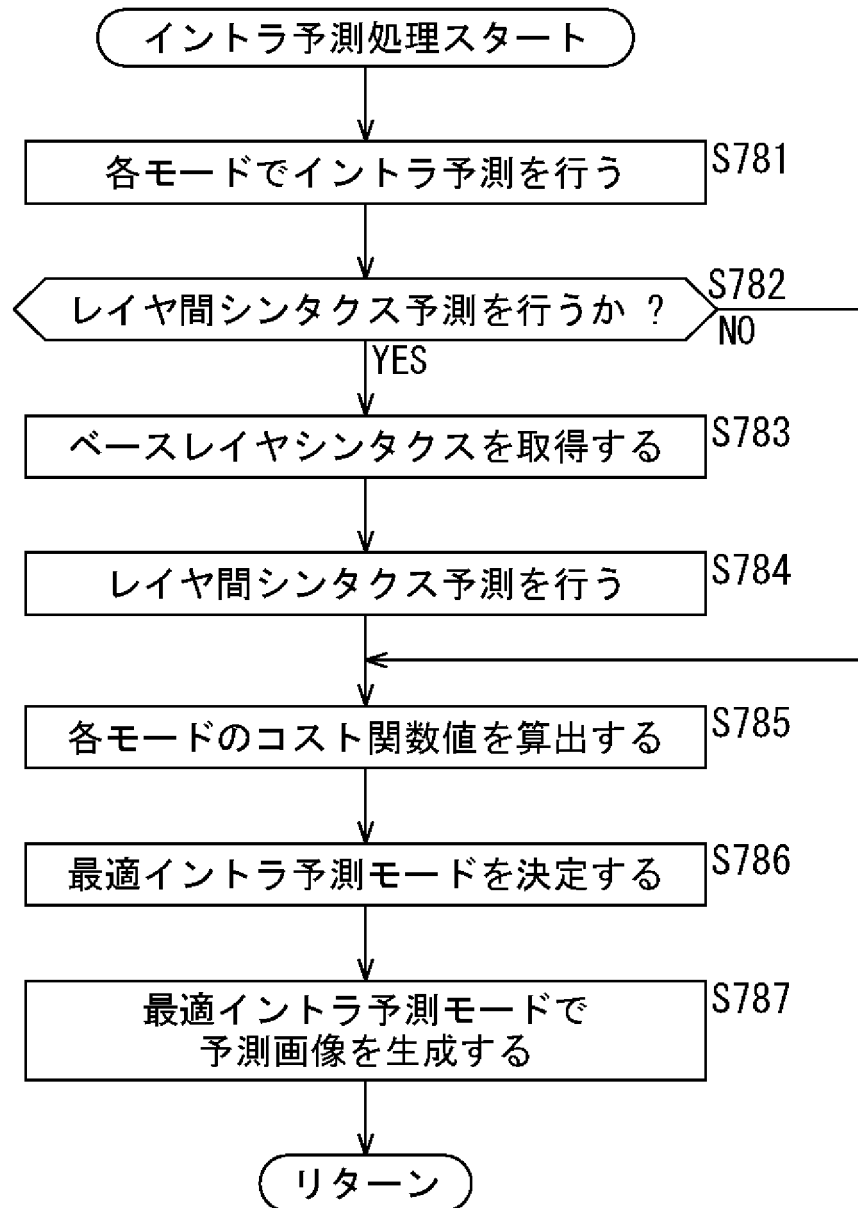
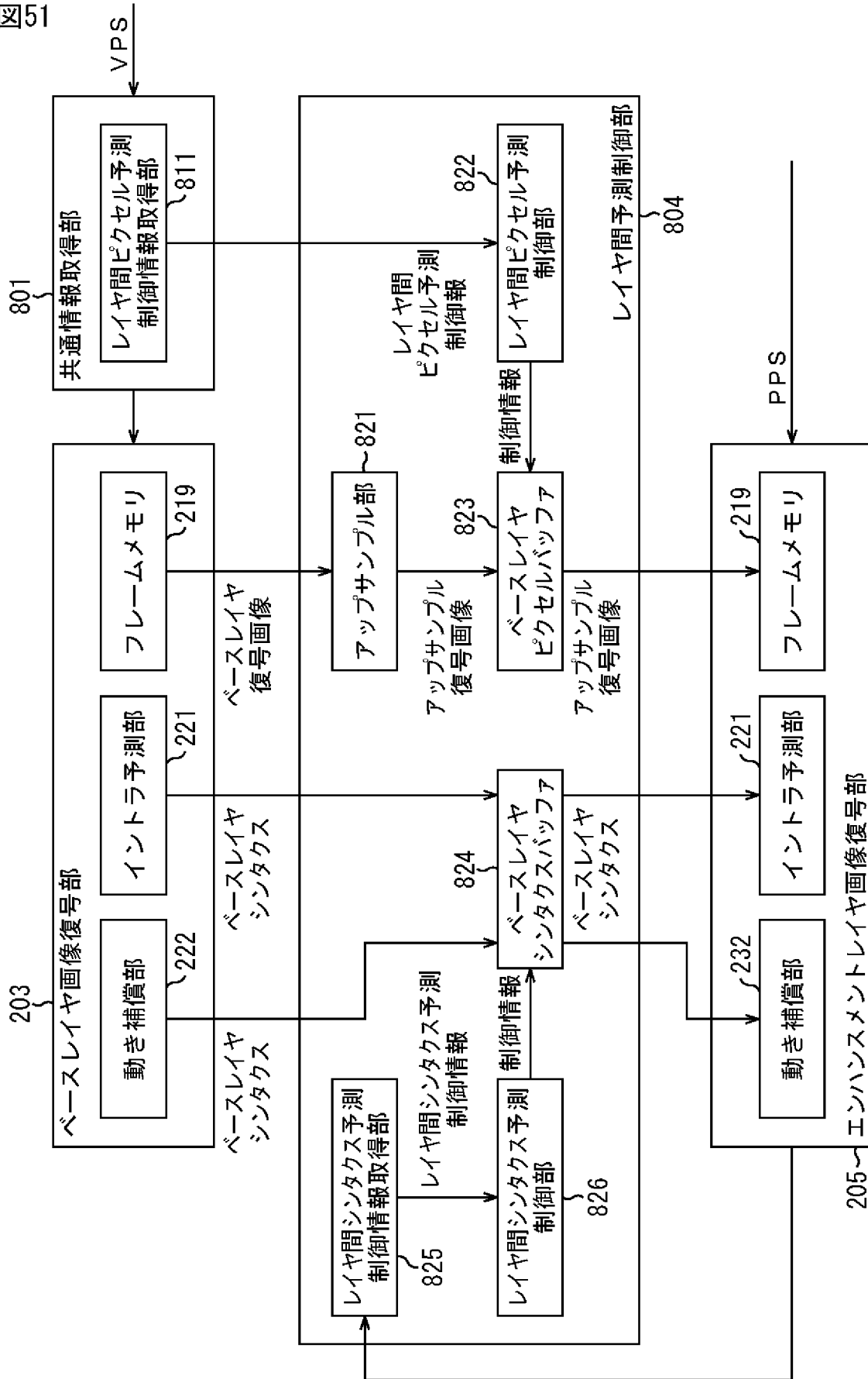
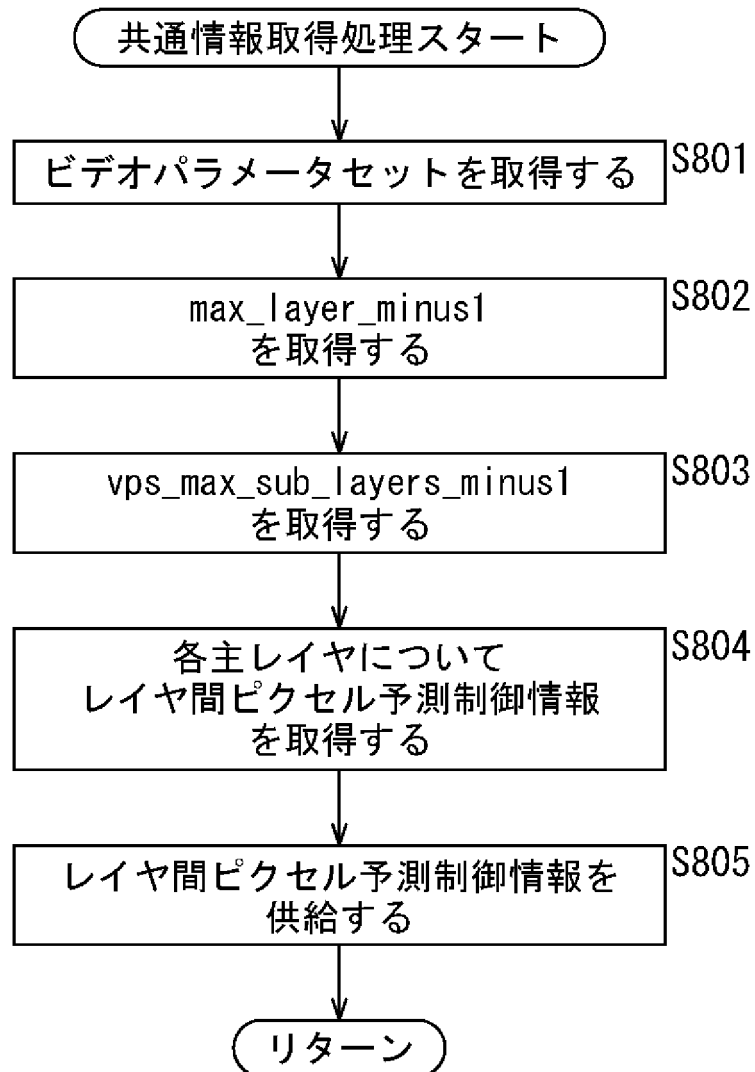


图51



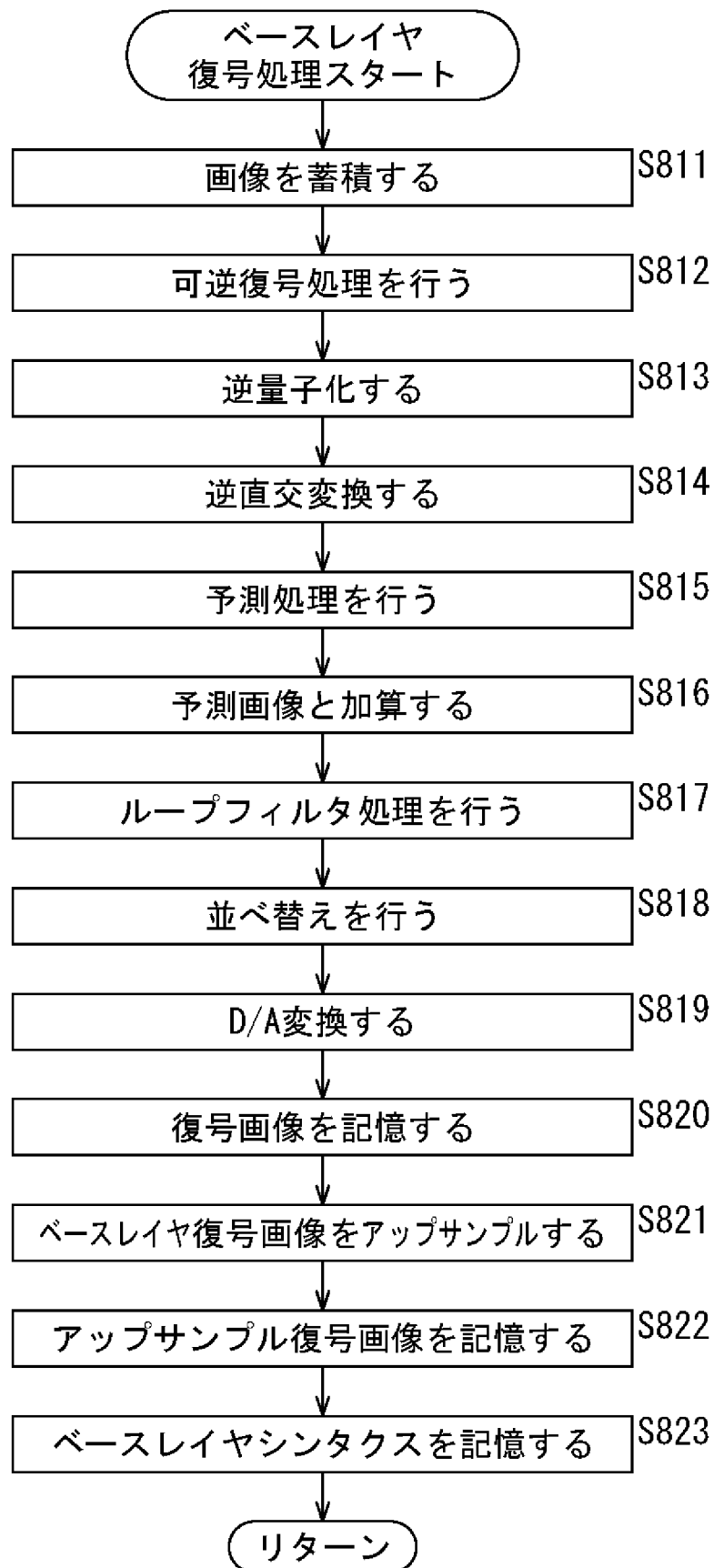
[図52]

図52



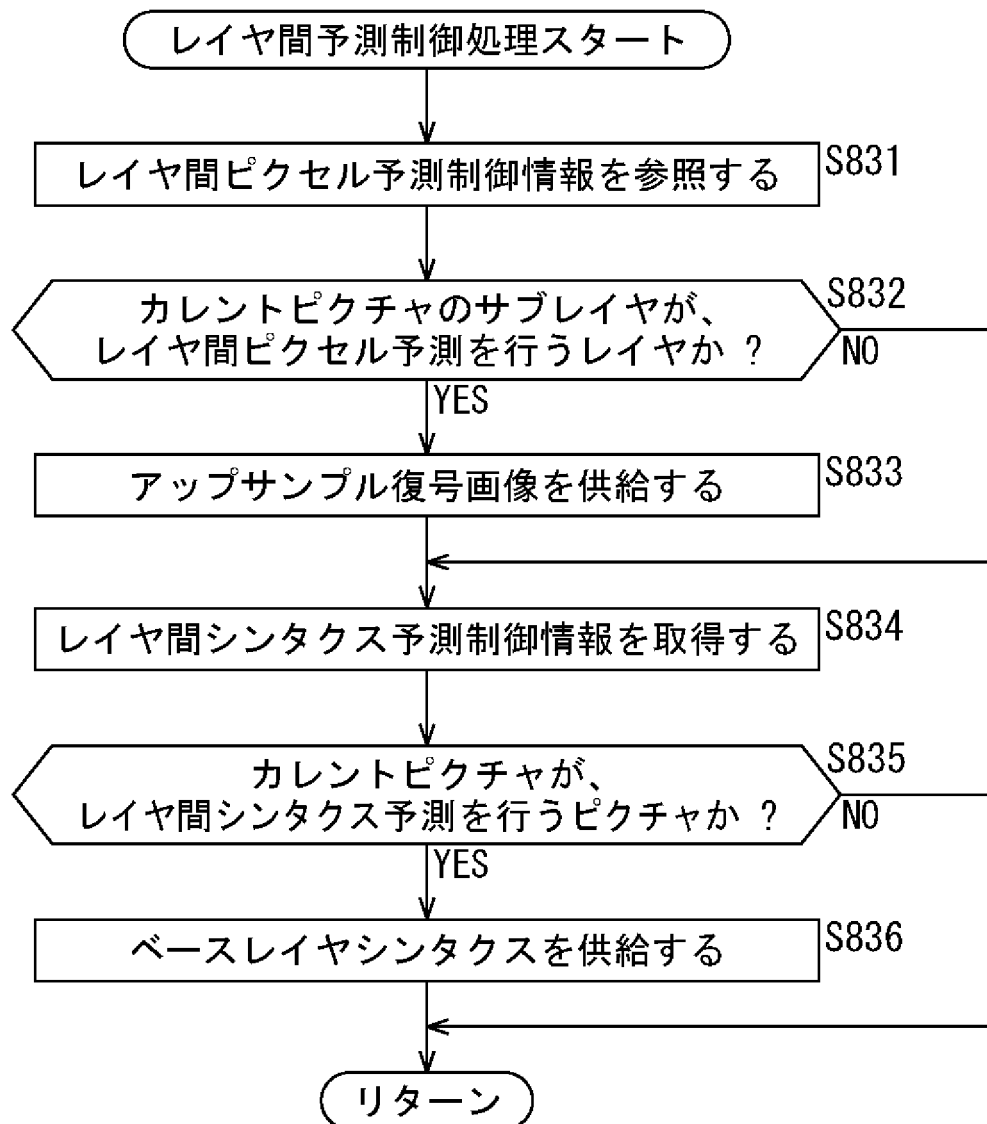
[図53]

図53



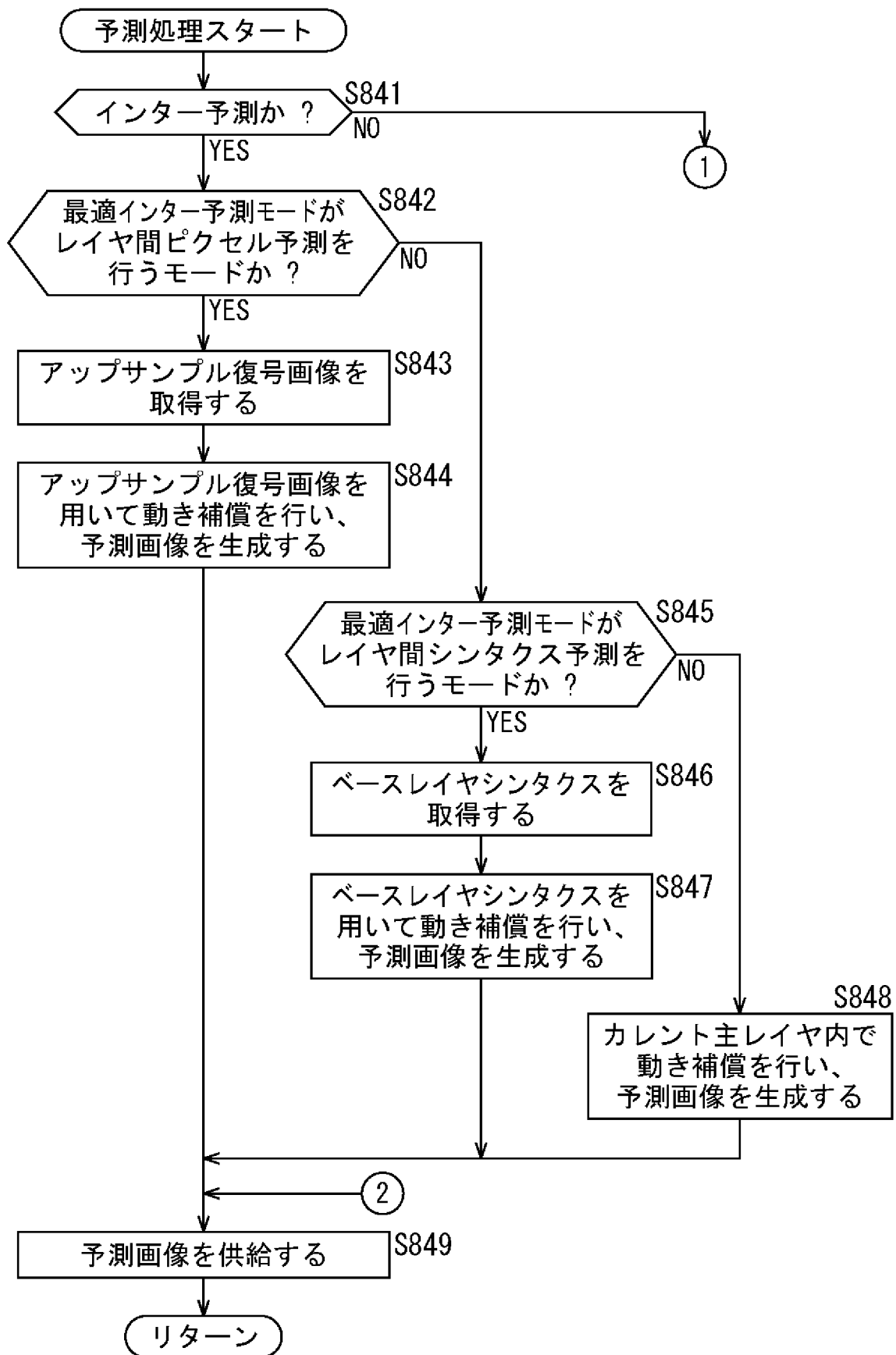
[図54]

図54



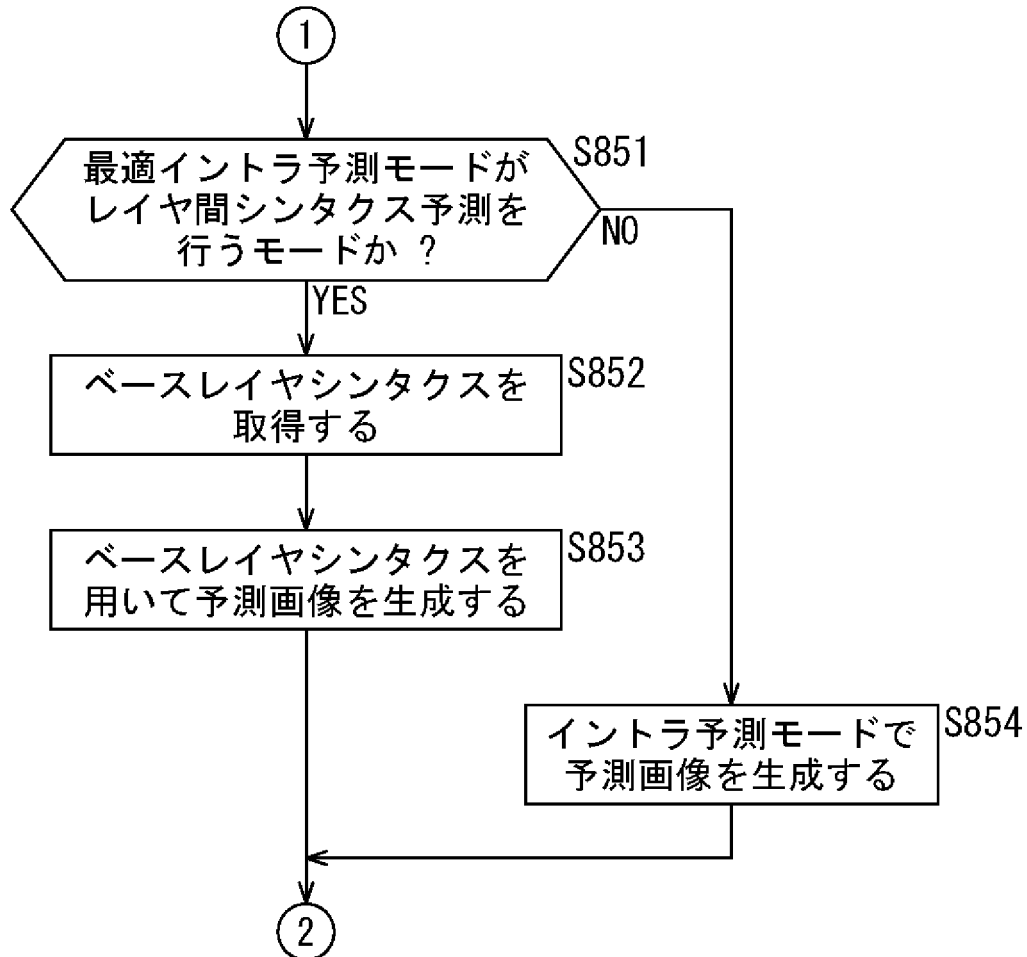
[図55]

図55



[図56]

図56



[図57]

図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) {	

[図58]

図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_mfm_enable_flag	u(1)
while(more_rbsp_data())	
sps_extension_data_flag	u(1)
rbsp_trailing_bits()	
}	
}	

[図59]

図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)	

[図60]

図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)
}	

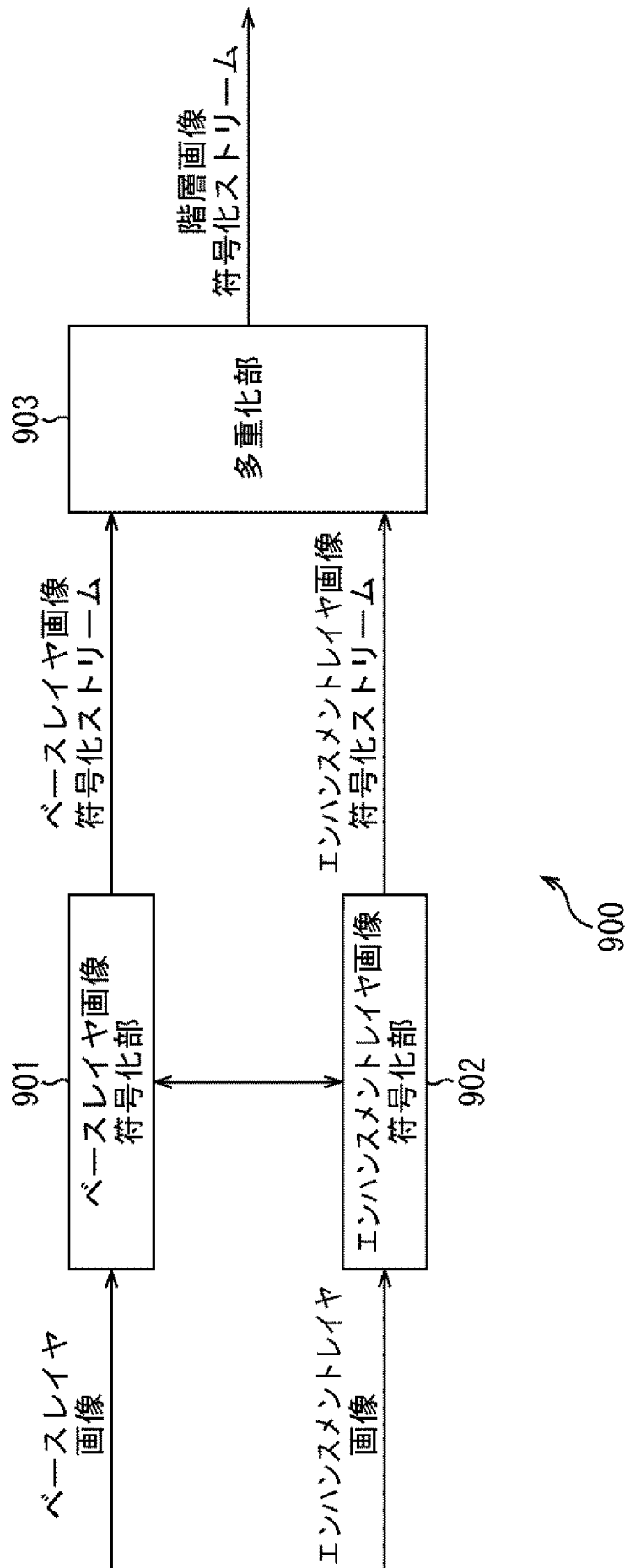
[図61]

図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()	
}	

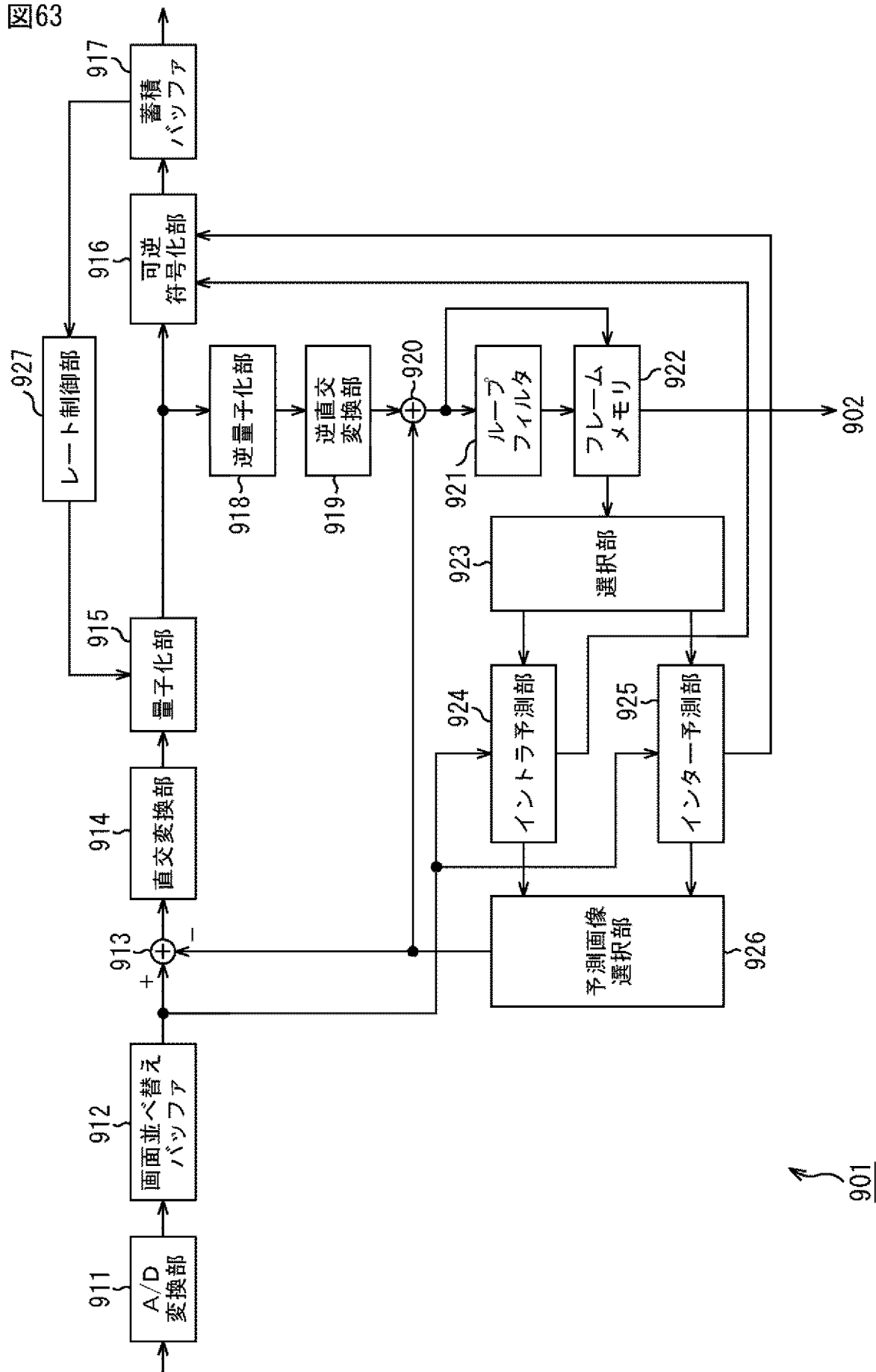
[図62]

図62



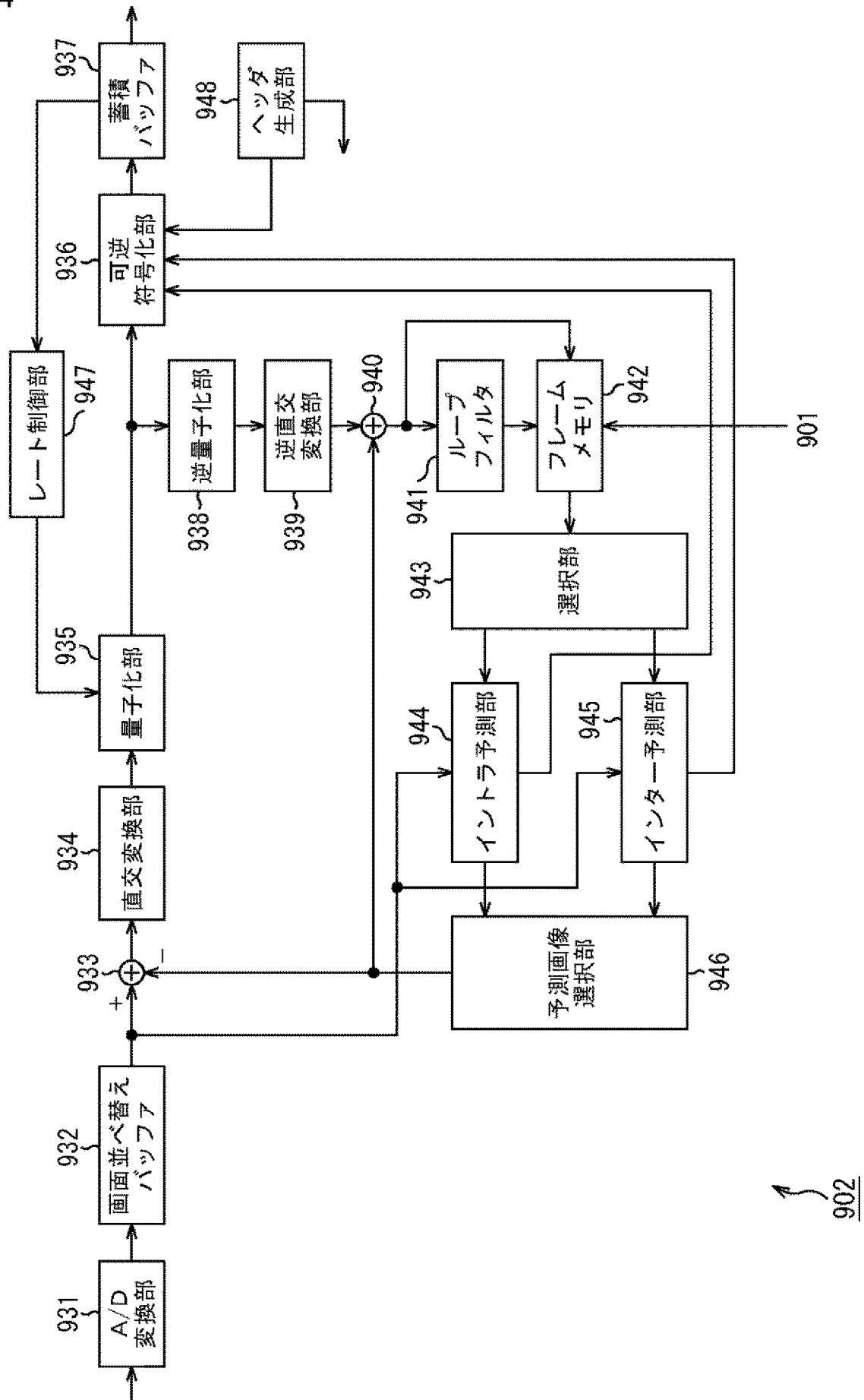
[図63]

図63



[図64]

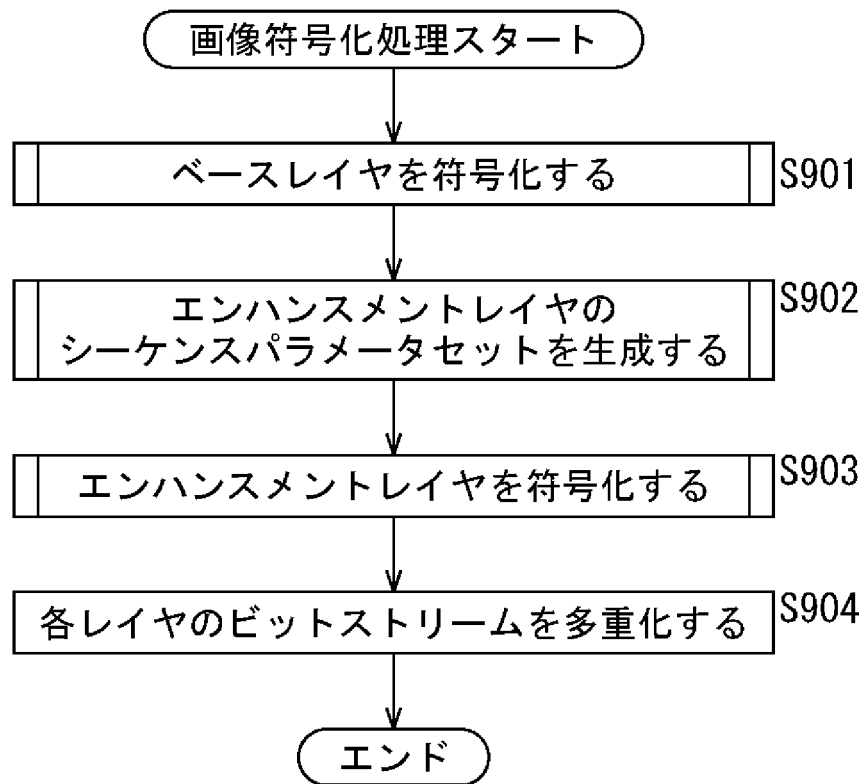
図64



902

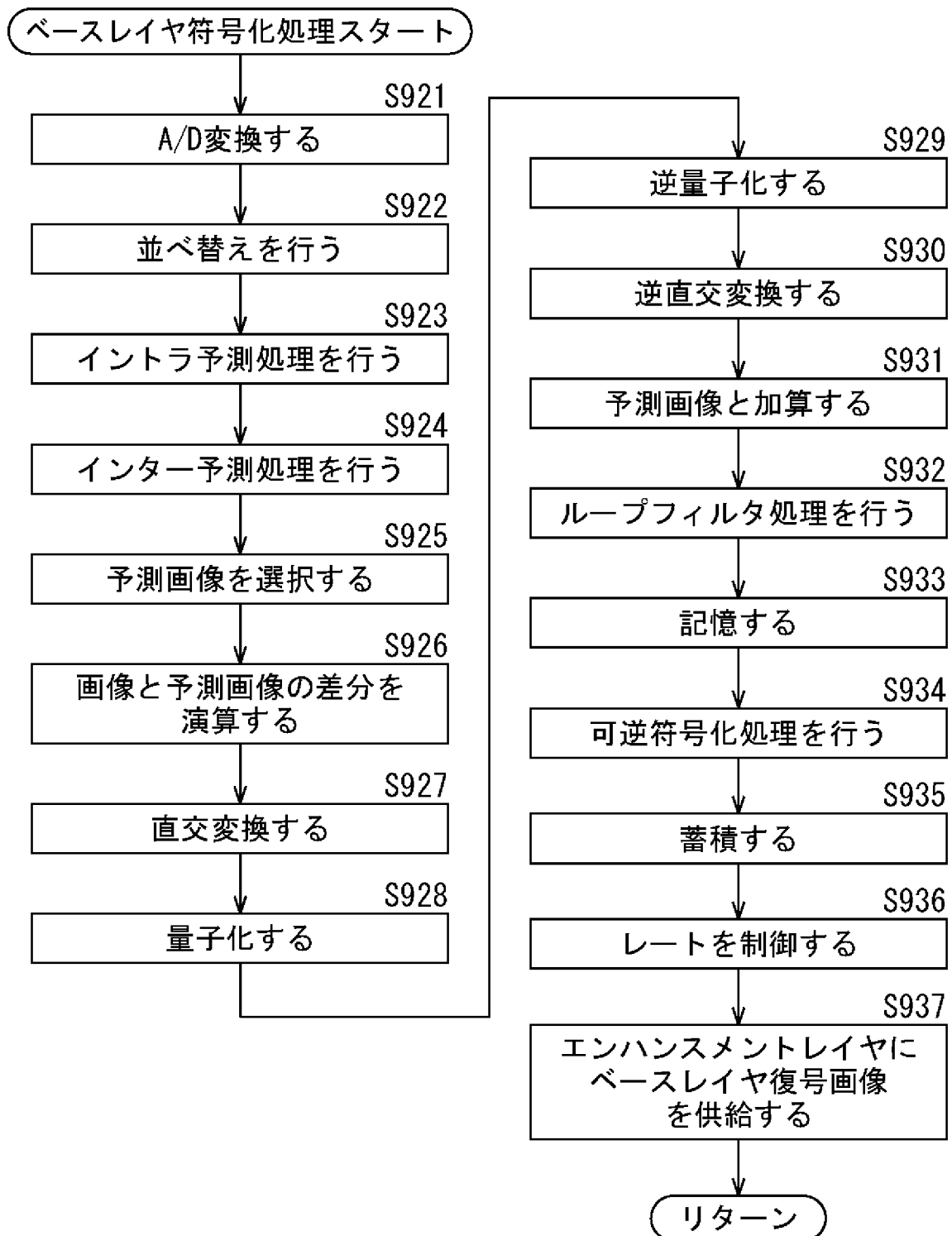
[図65]

図65



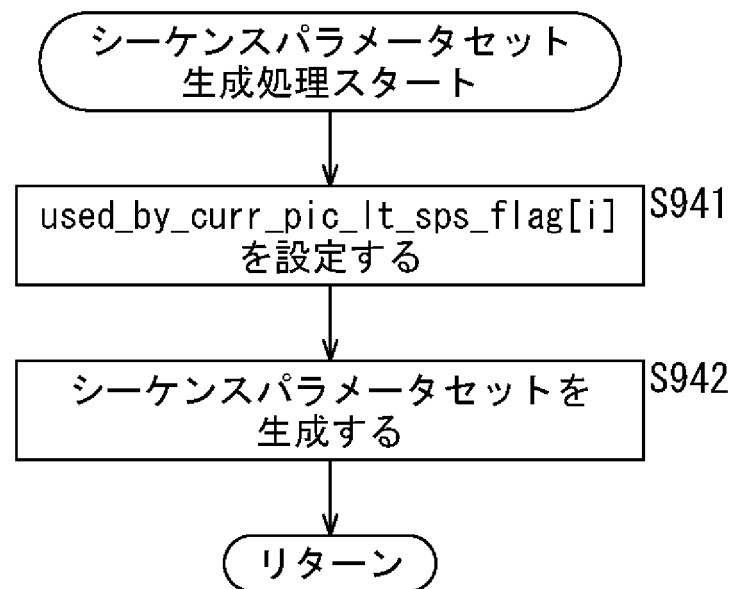
[図66]

図66



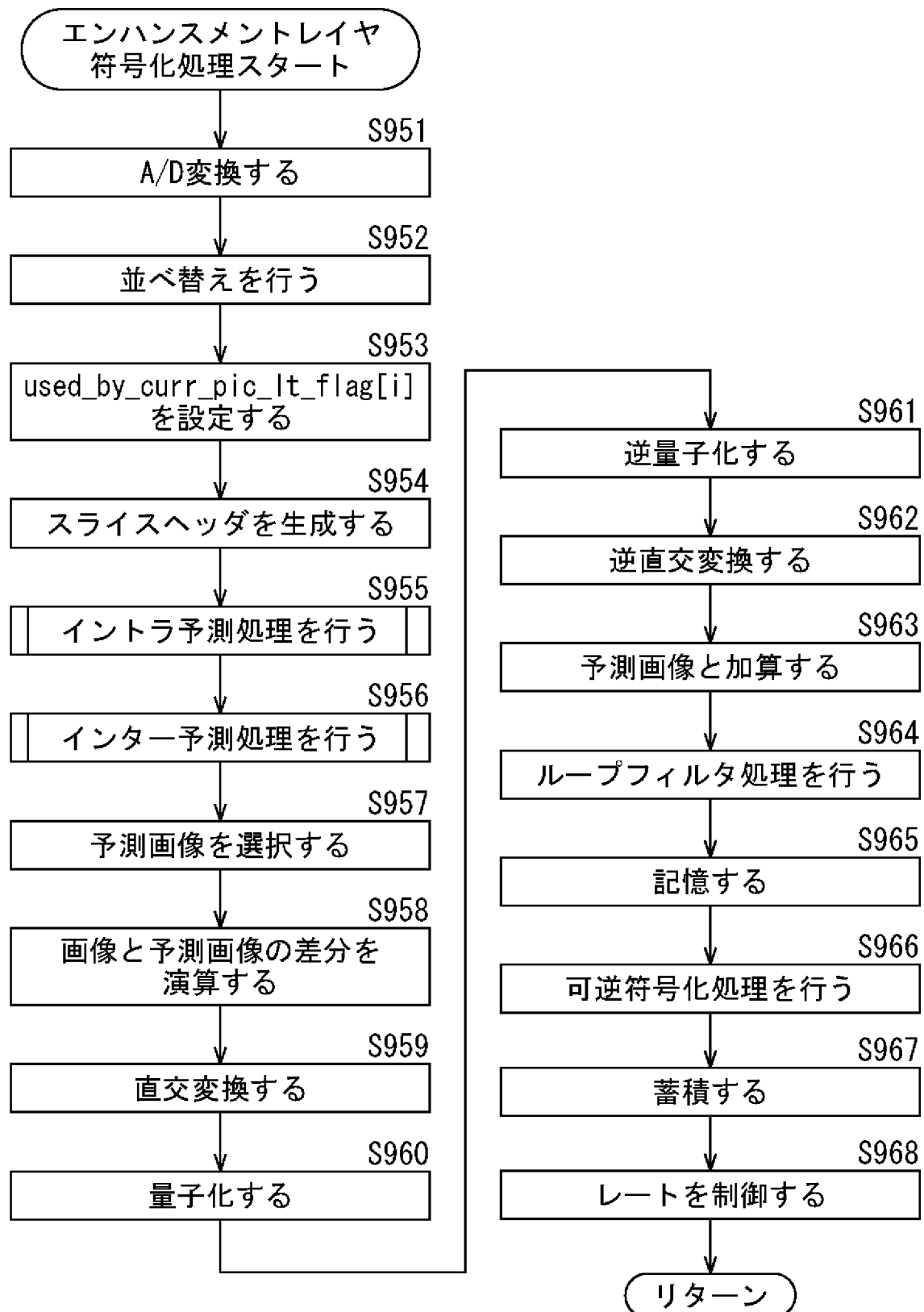
[図67]

図67



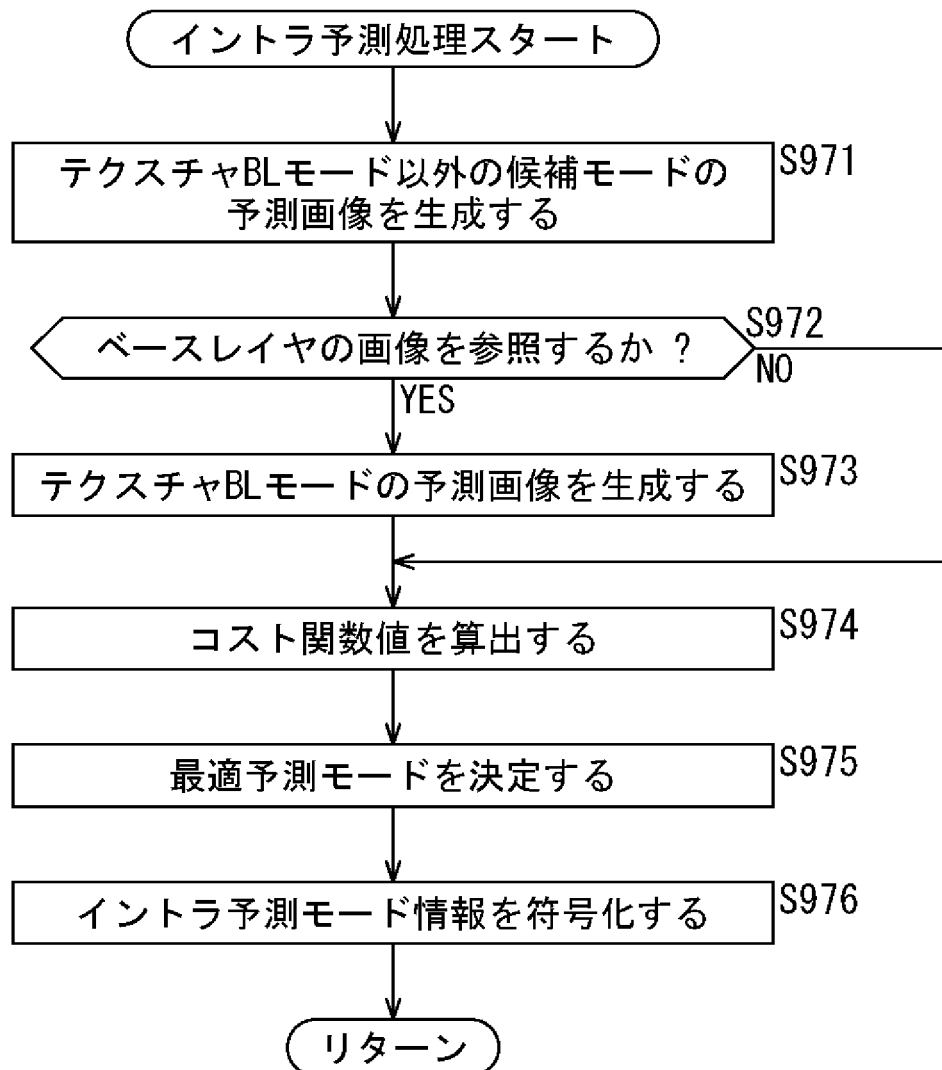
[図68]

図68



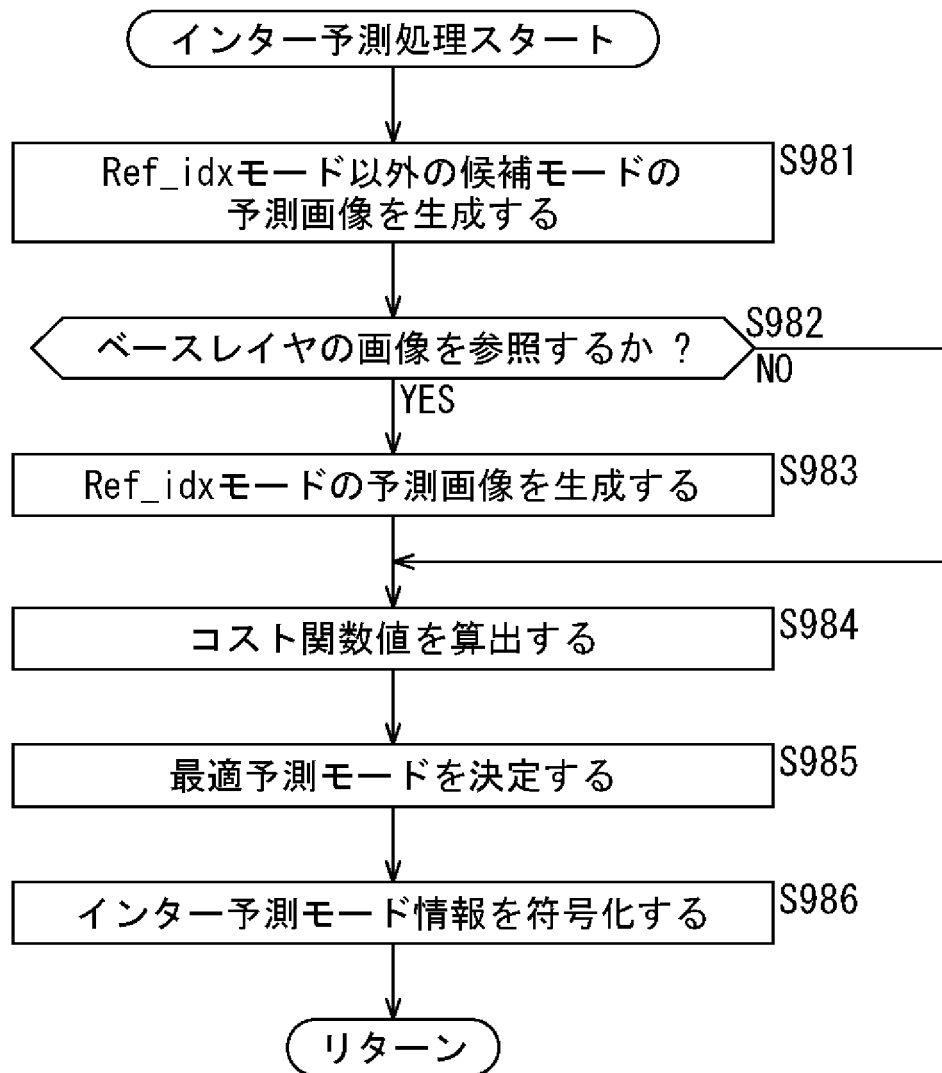
[図69]

図69



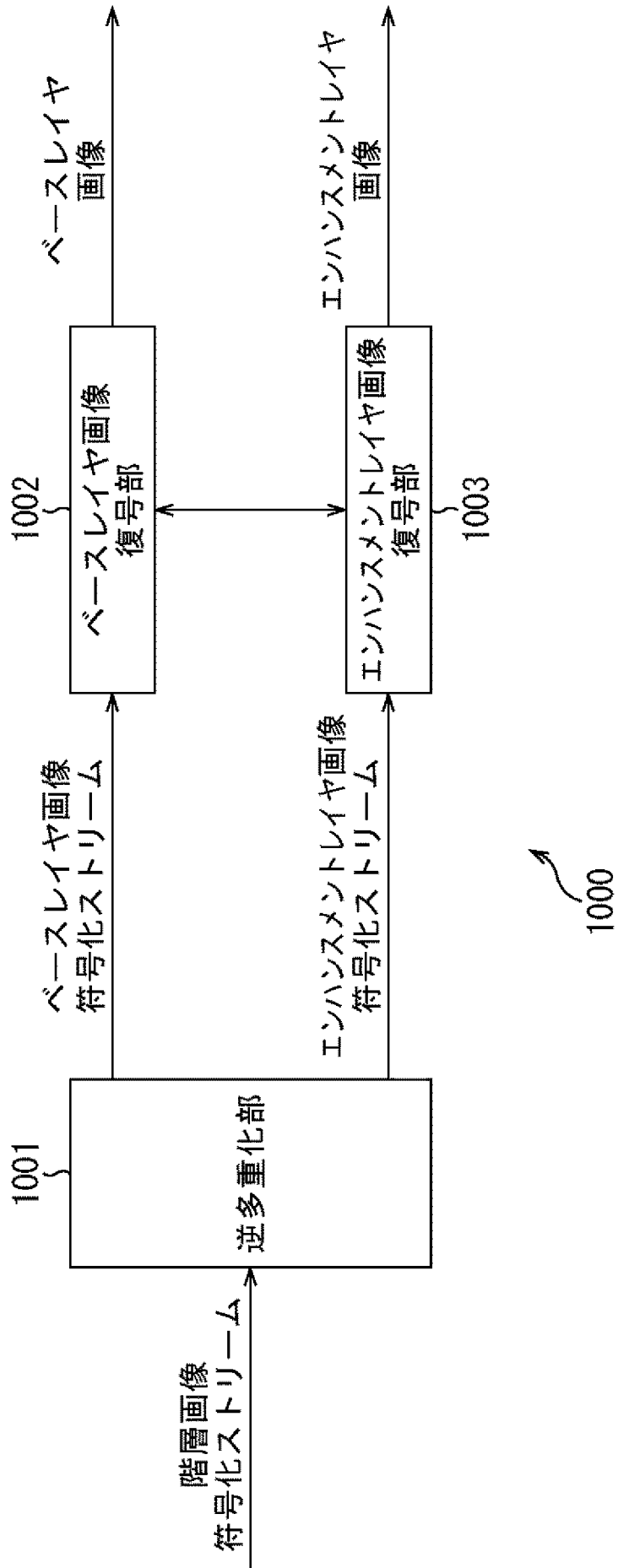
[図70]

図70



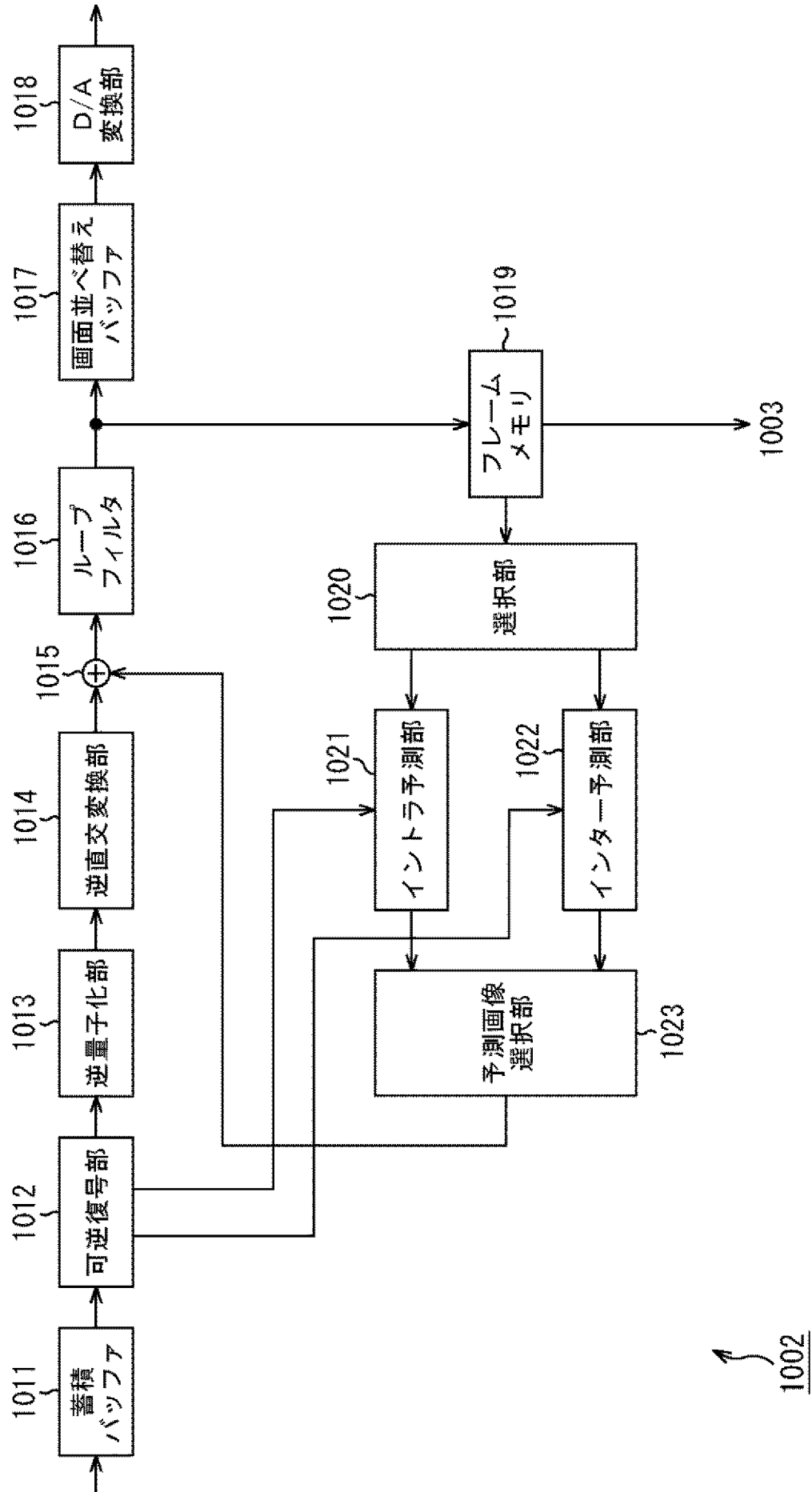
[図71]

図71



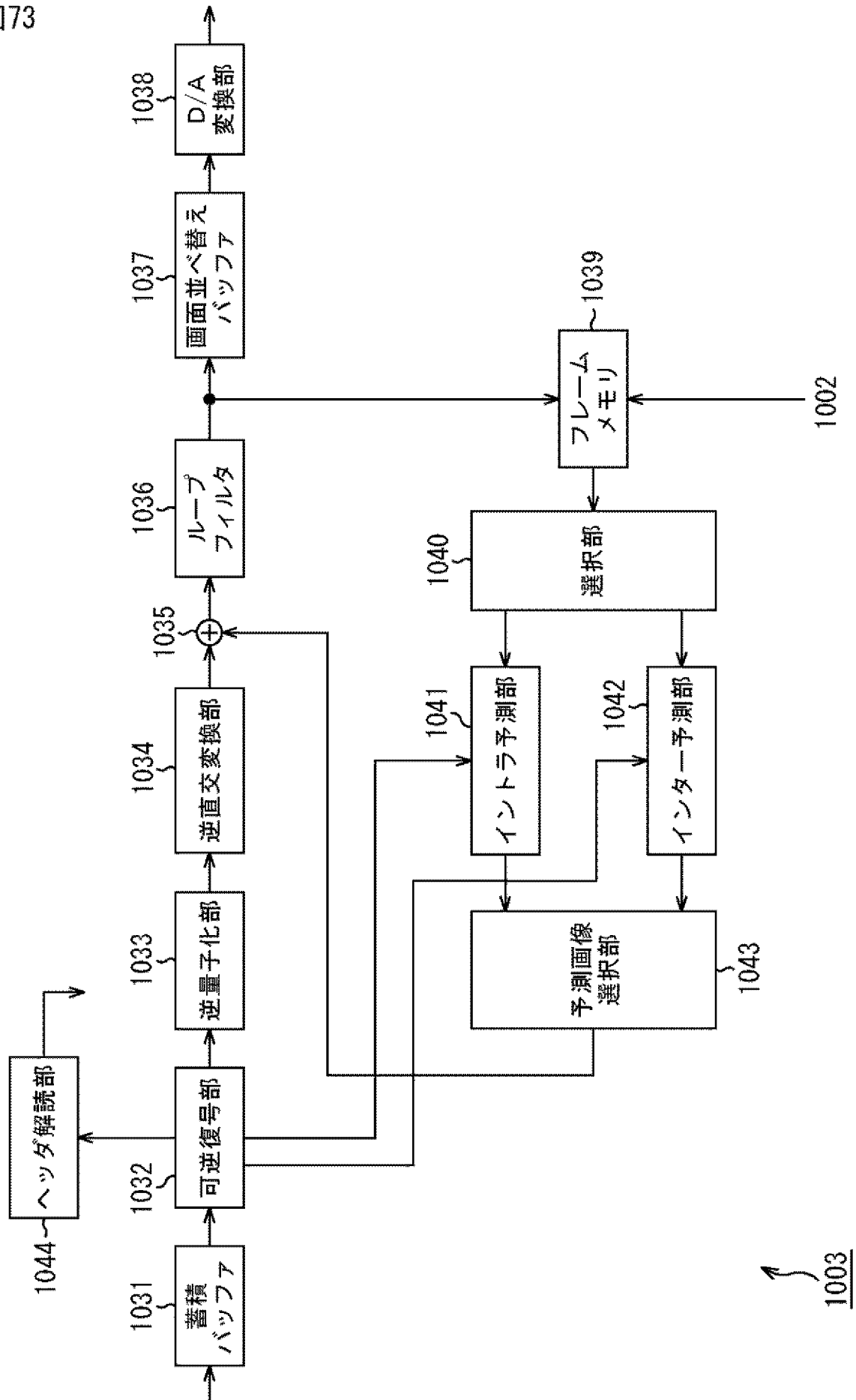
[図72]

図72



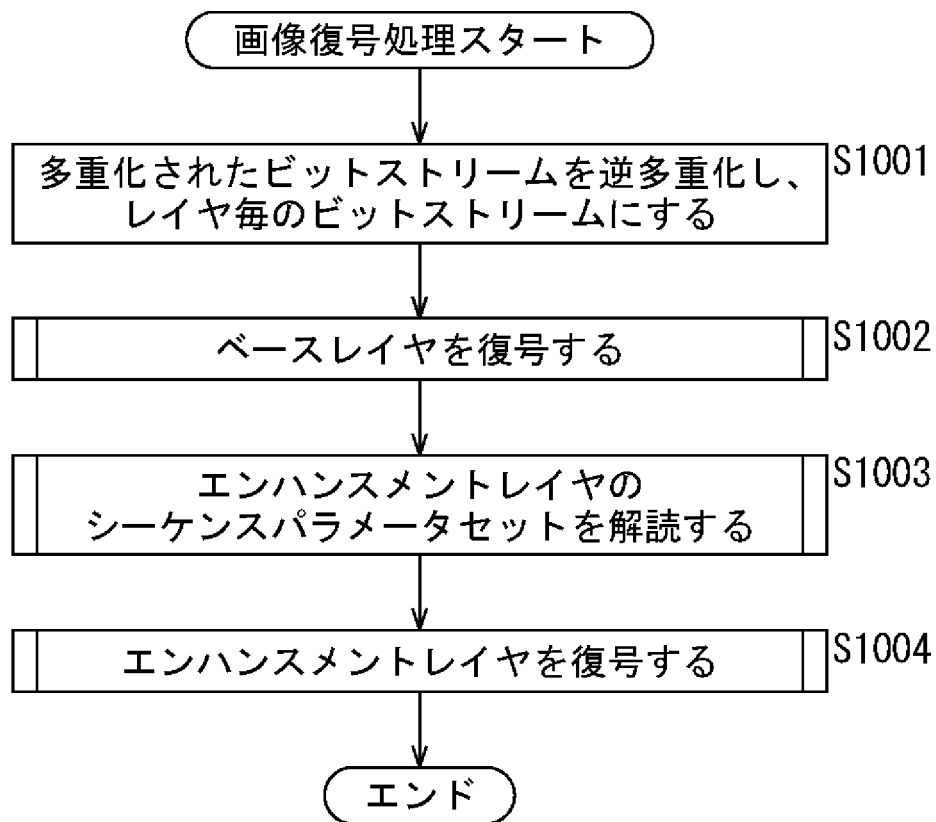
[図73]

図73



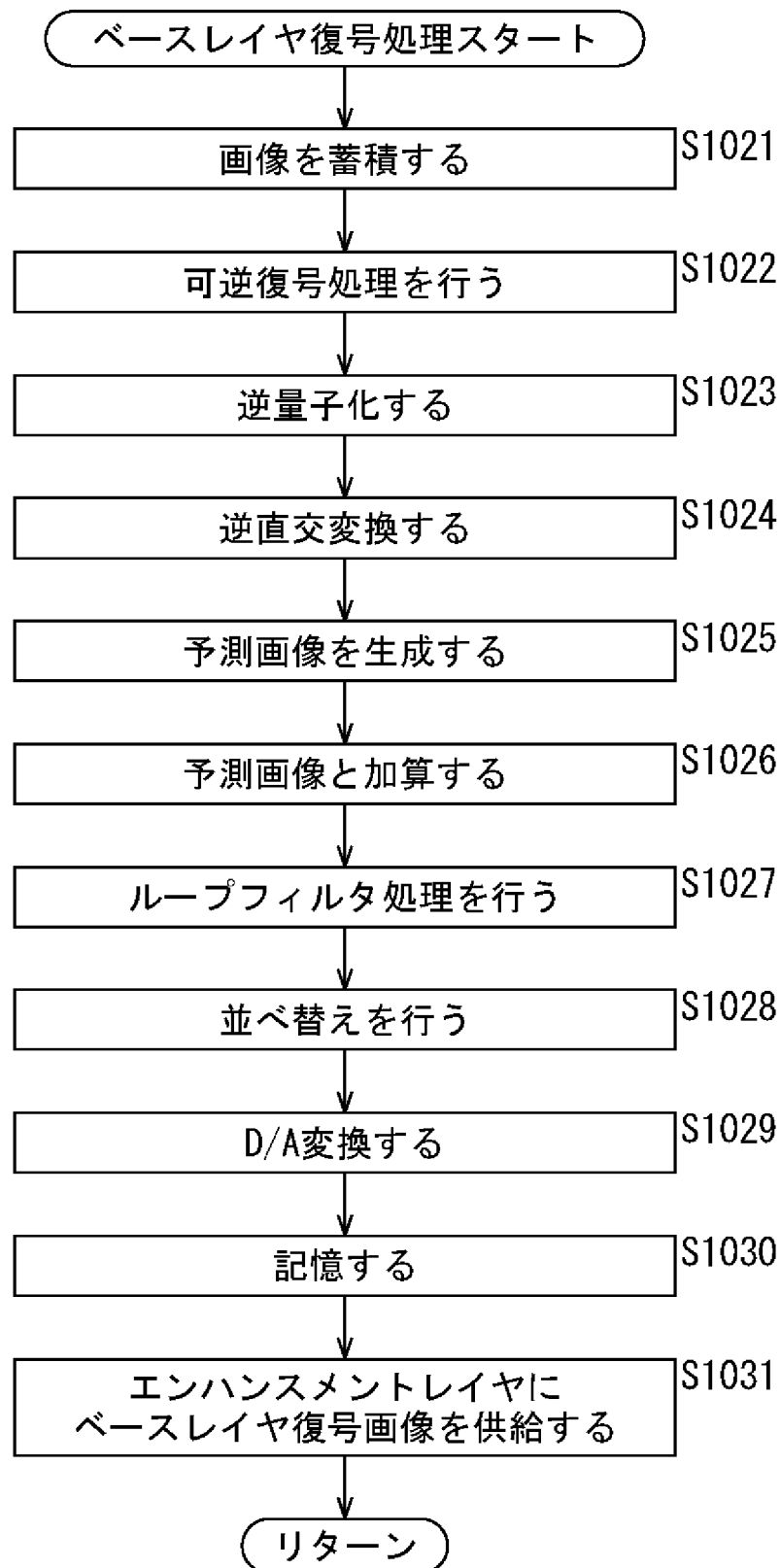
[図74]

図74



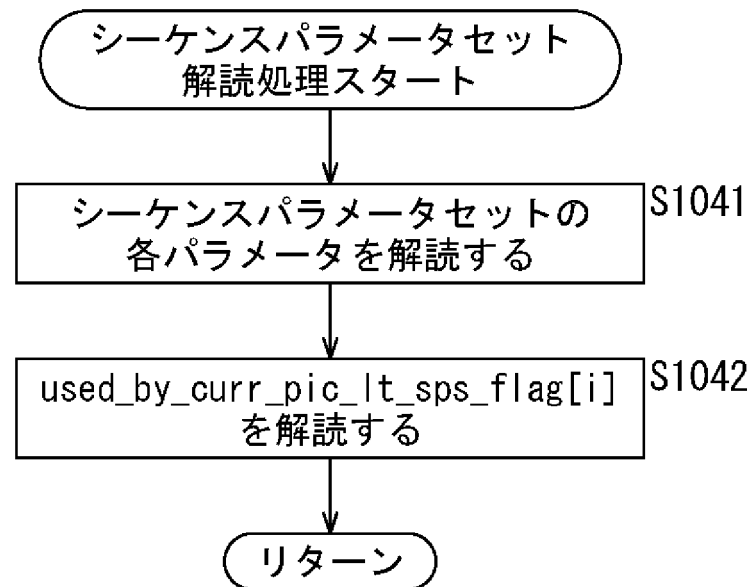
[図75]

図75



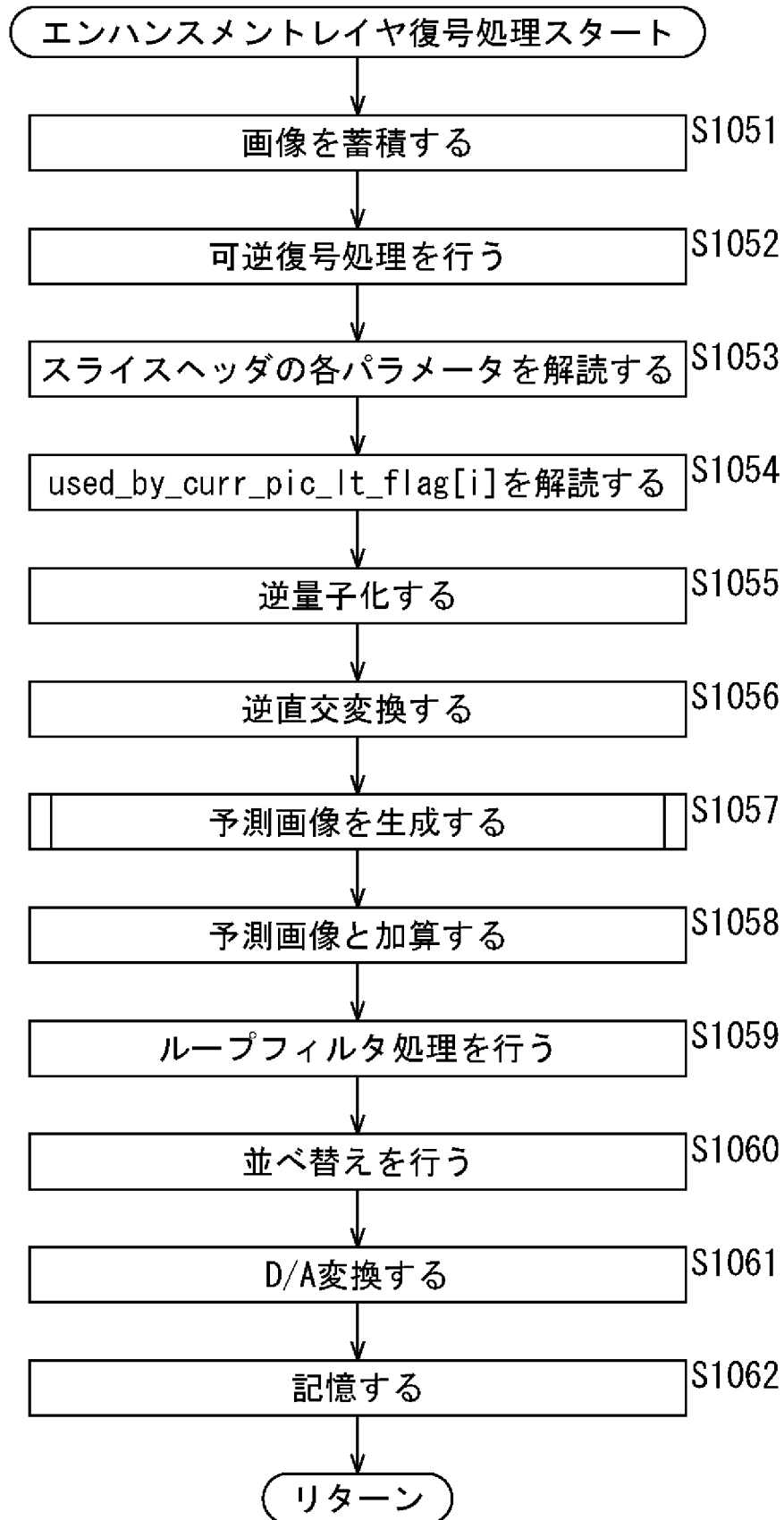
[図76]

図76



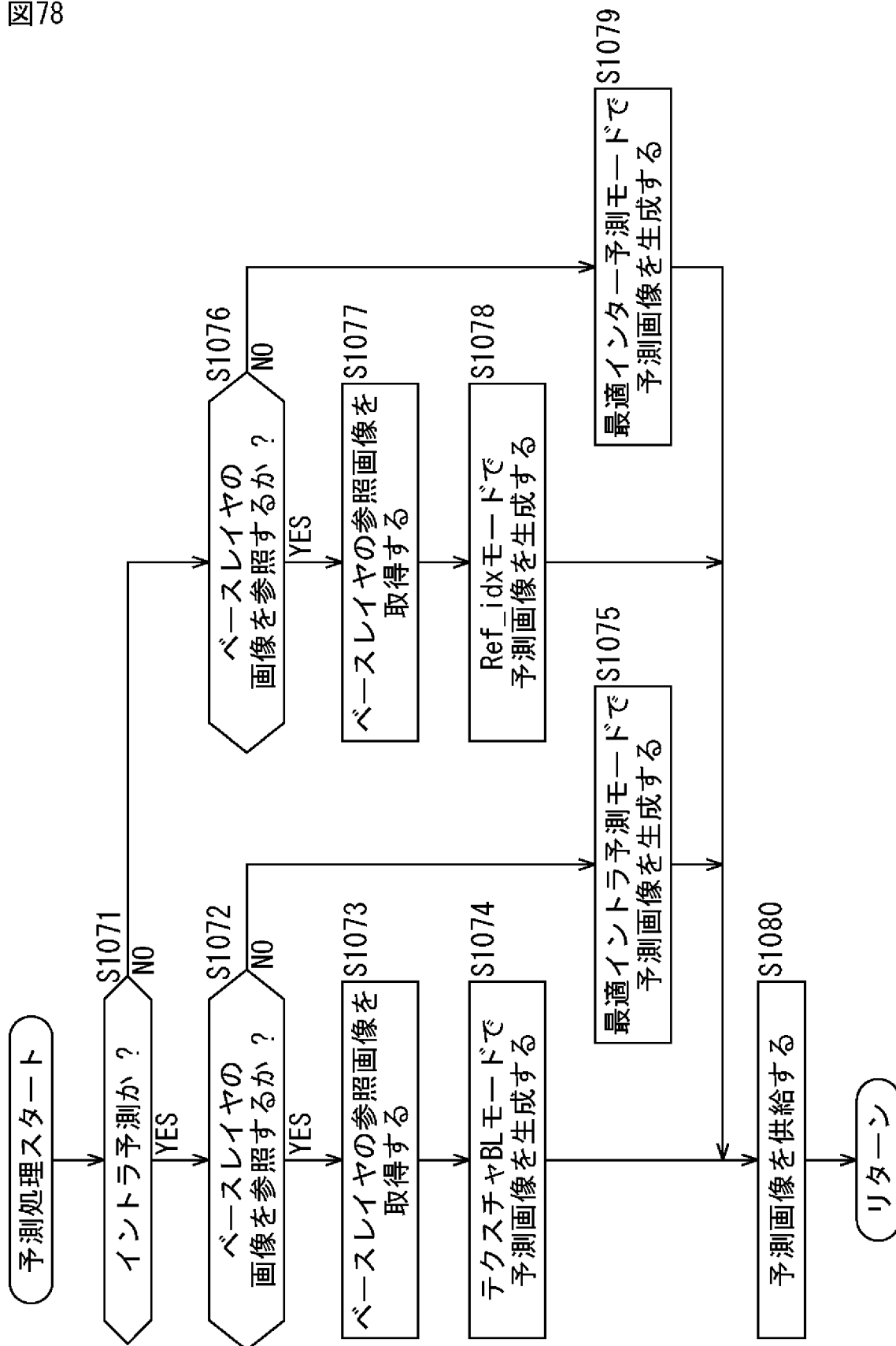
[図77]

図77



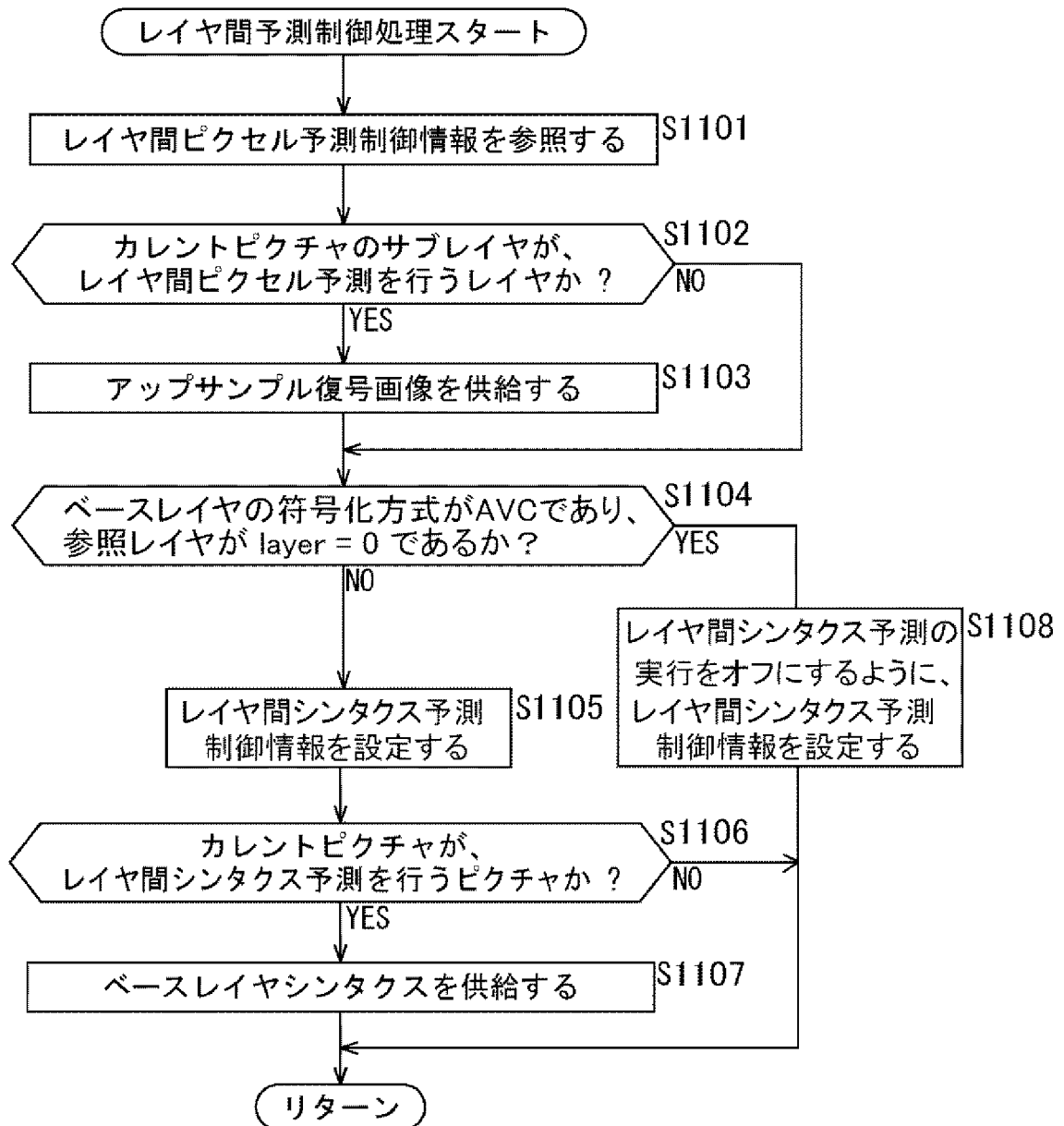
[図78]

図78



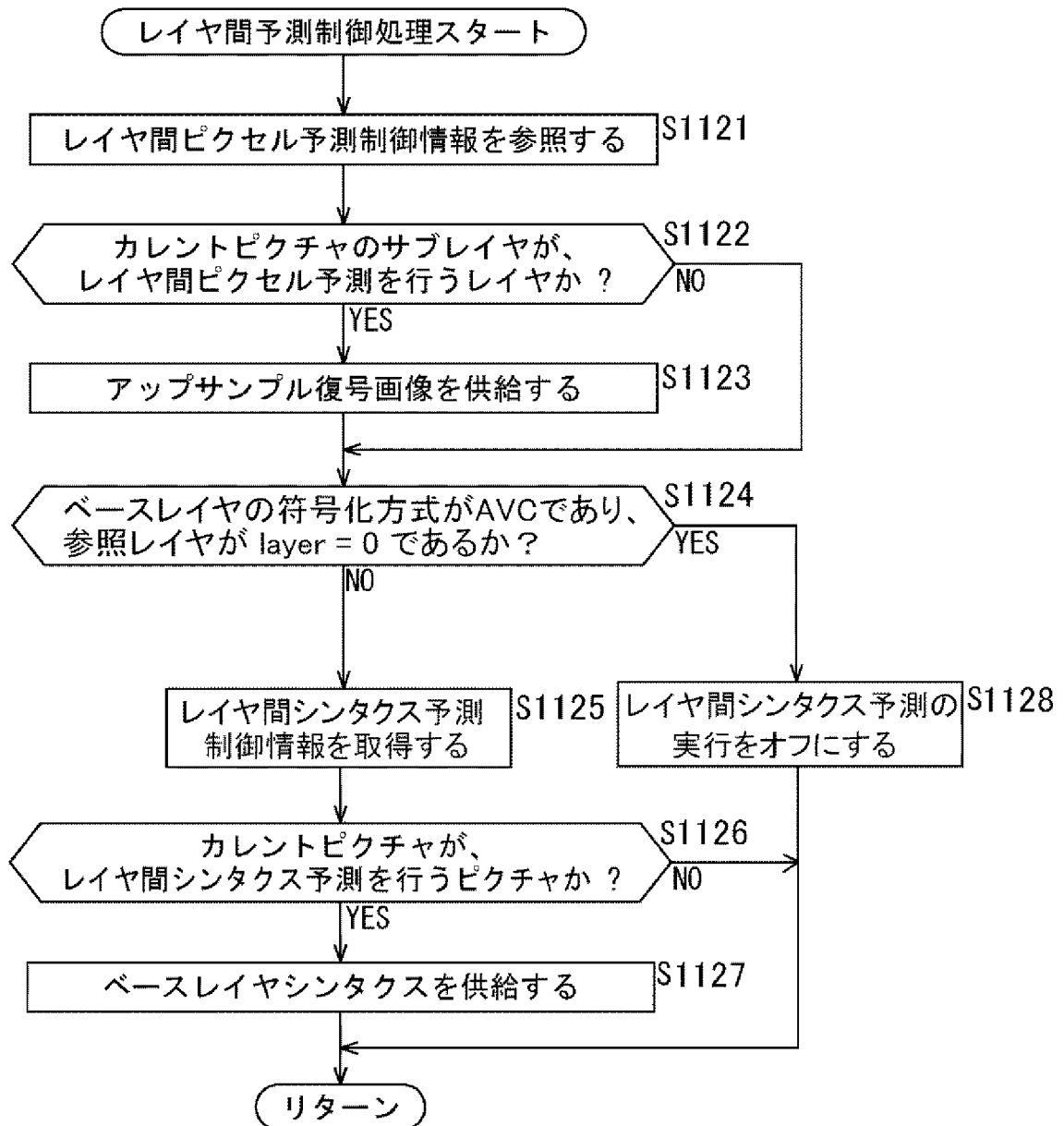
[図79]

図79



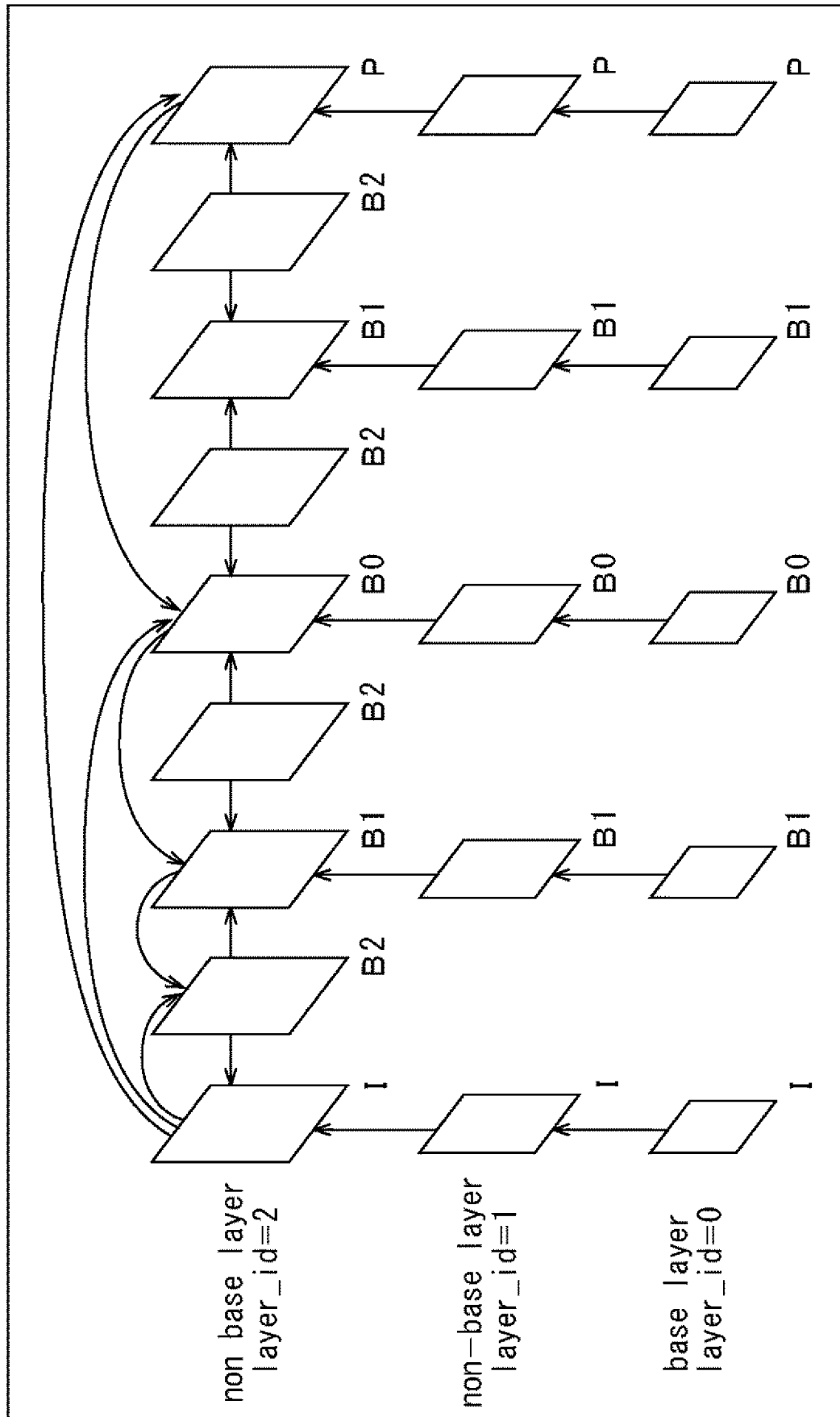
[図80]

図80



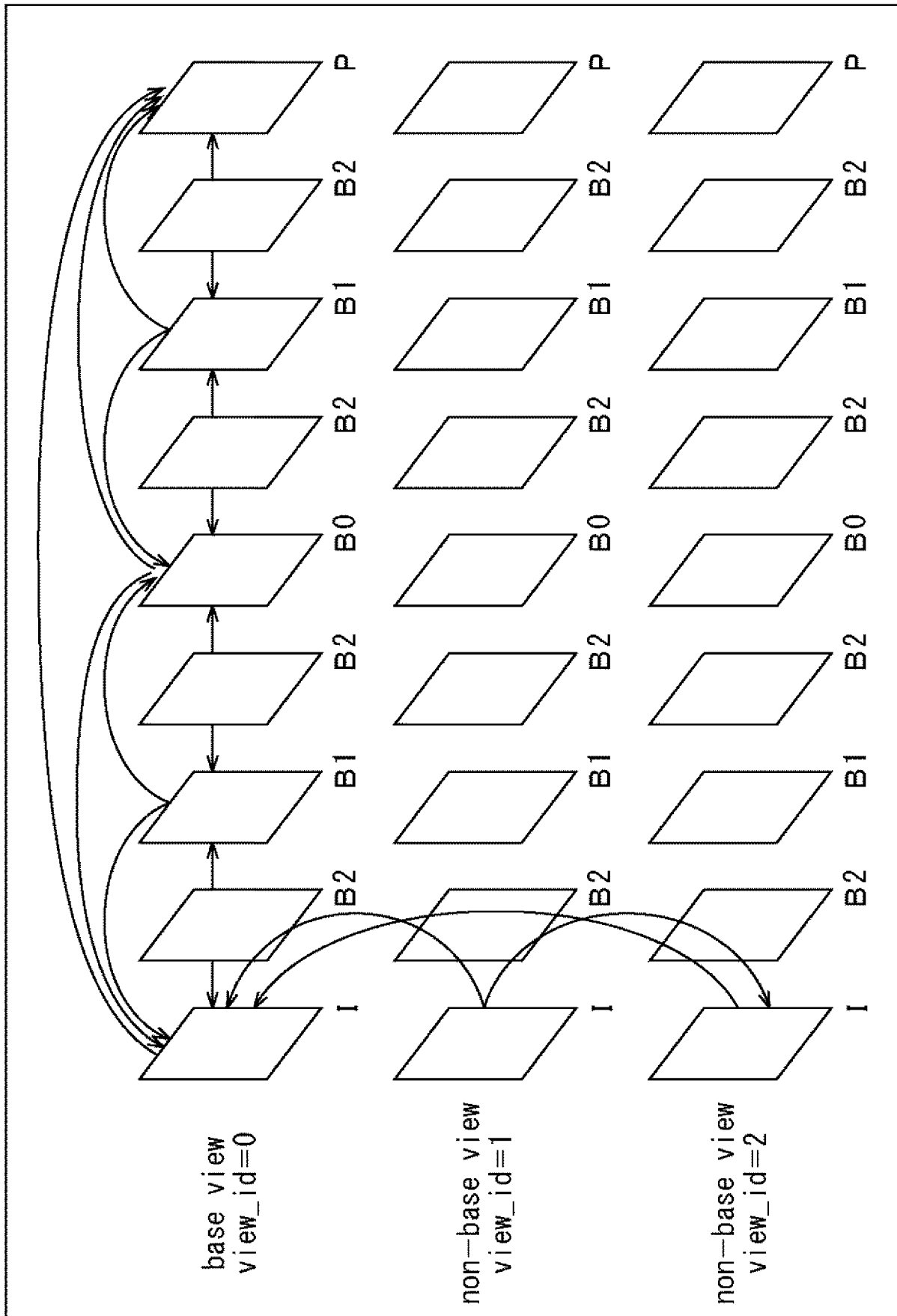
[図81]

図81



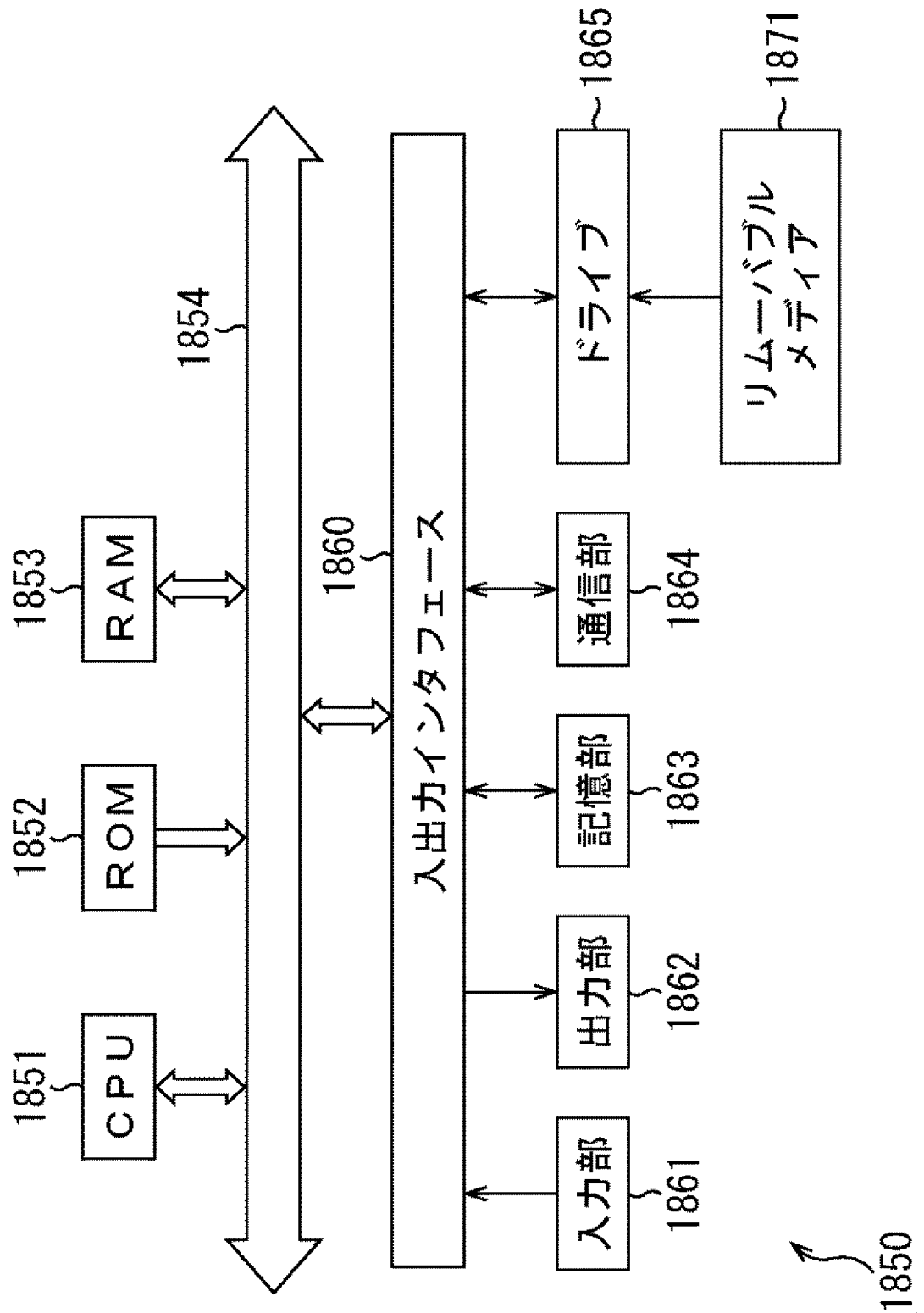
[図82]

図82



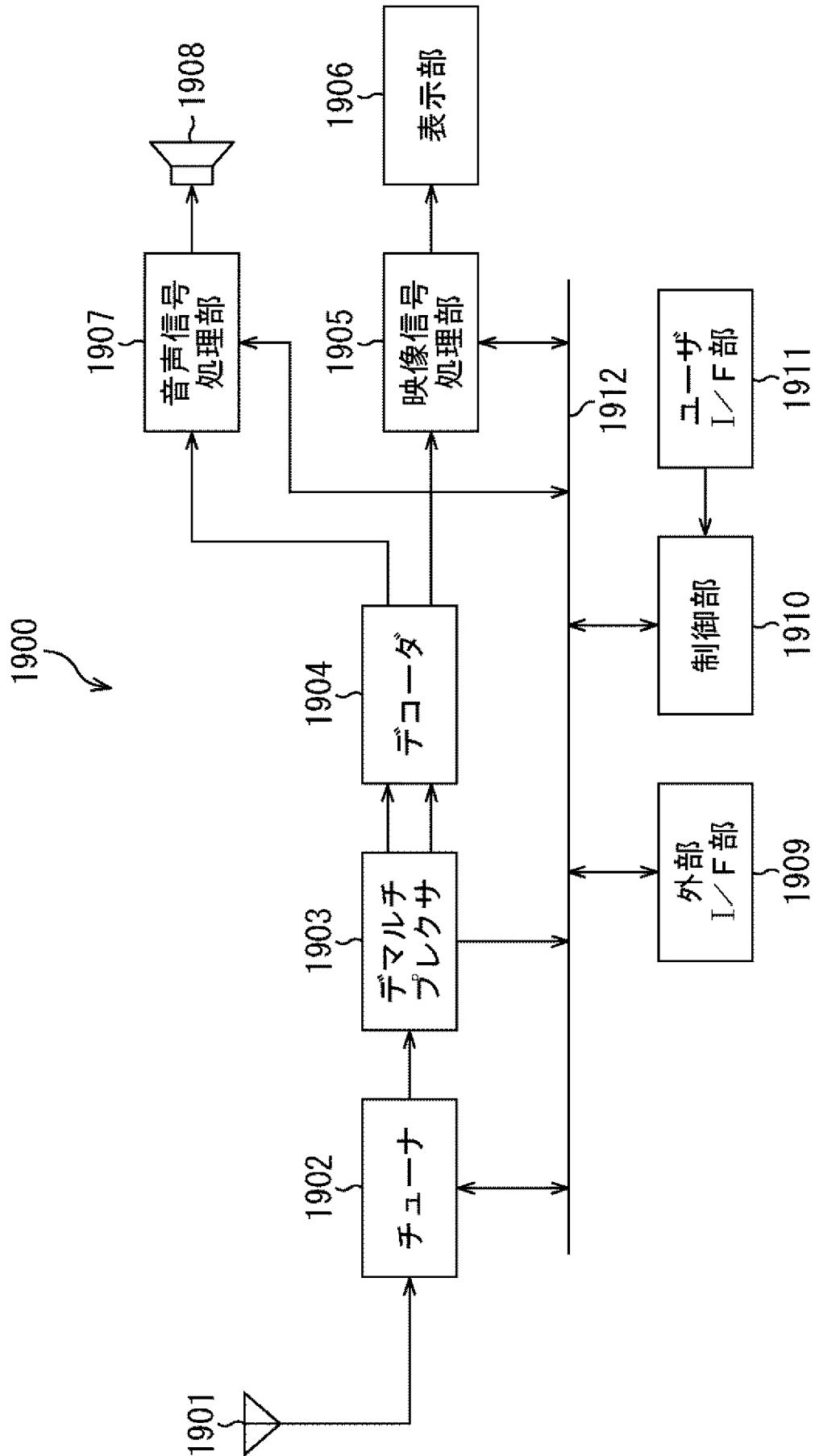
[図83]

図83



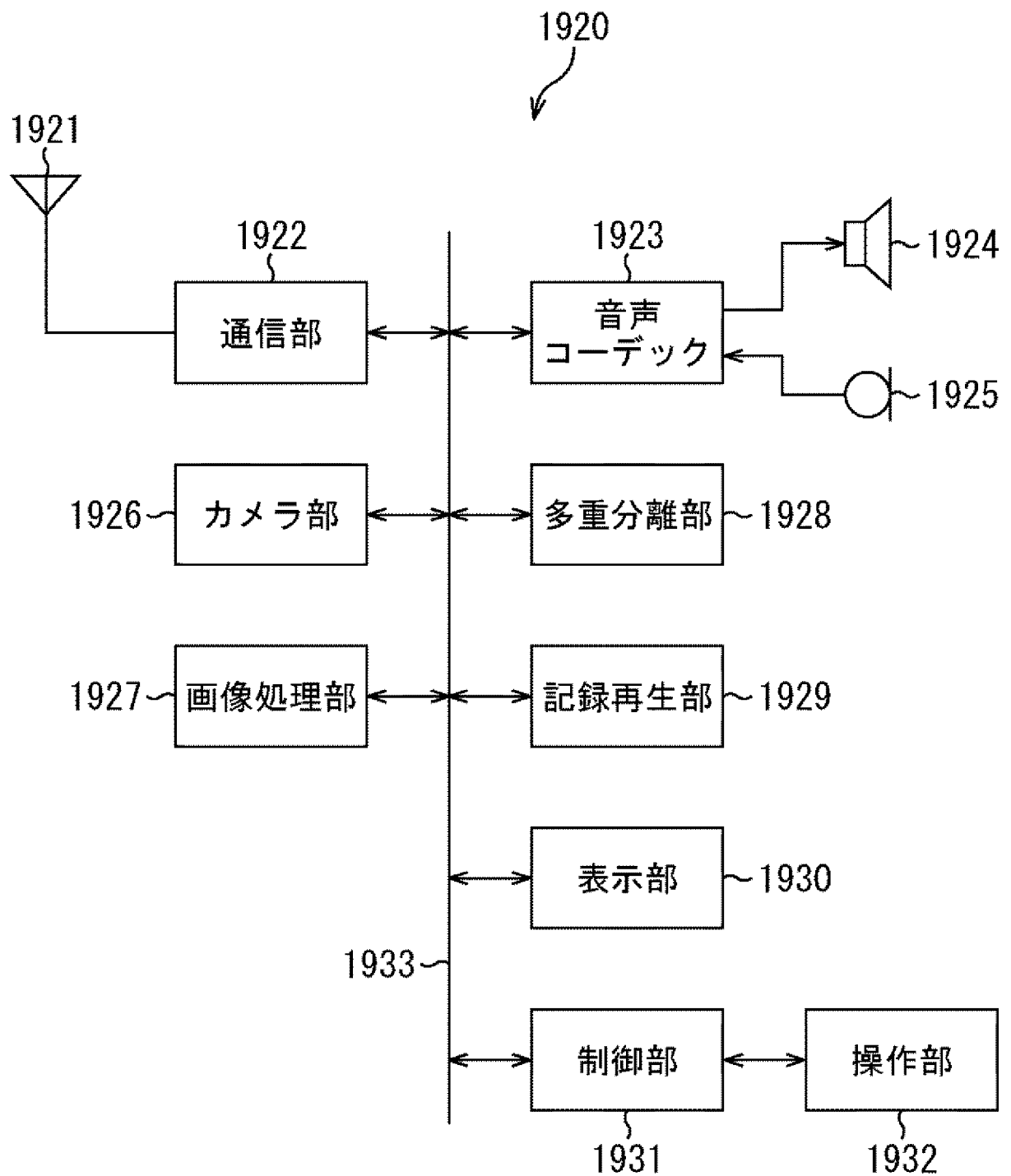
[図84]

図84



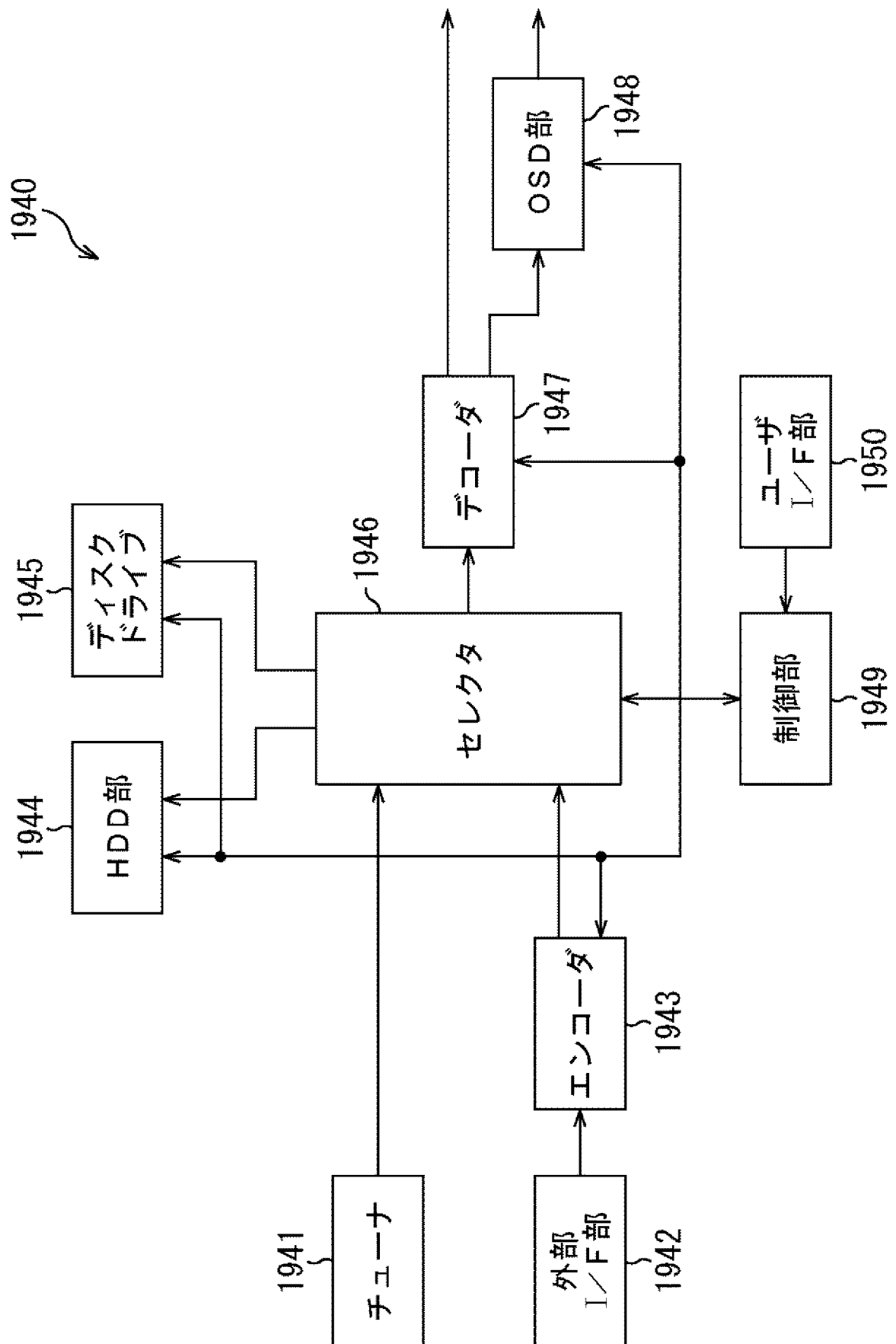
[図85]

図85



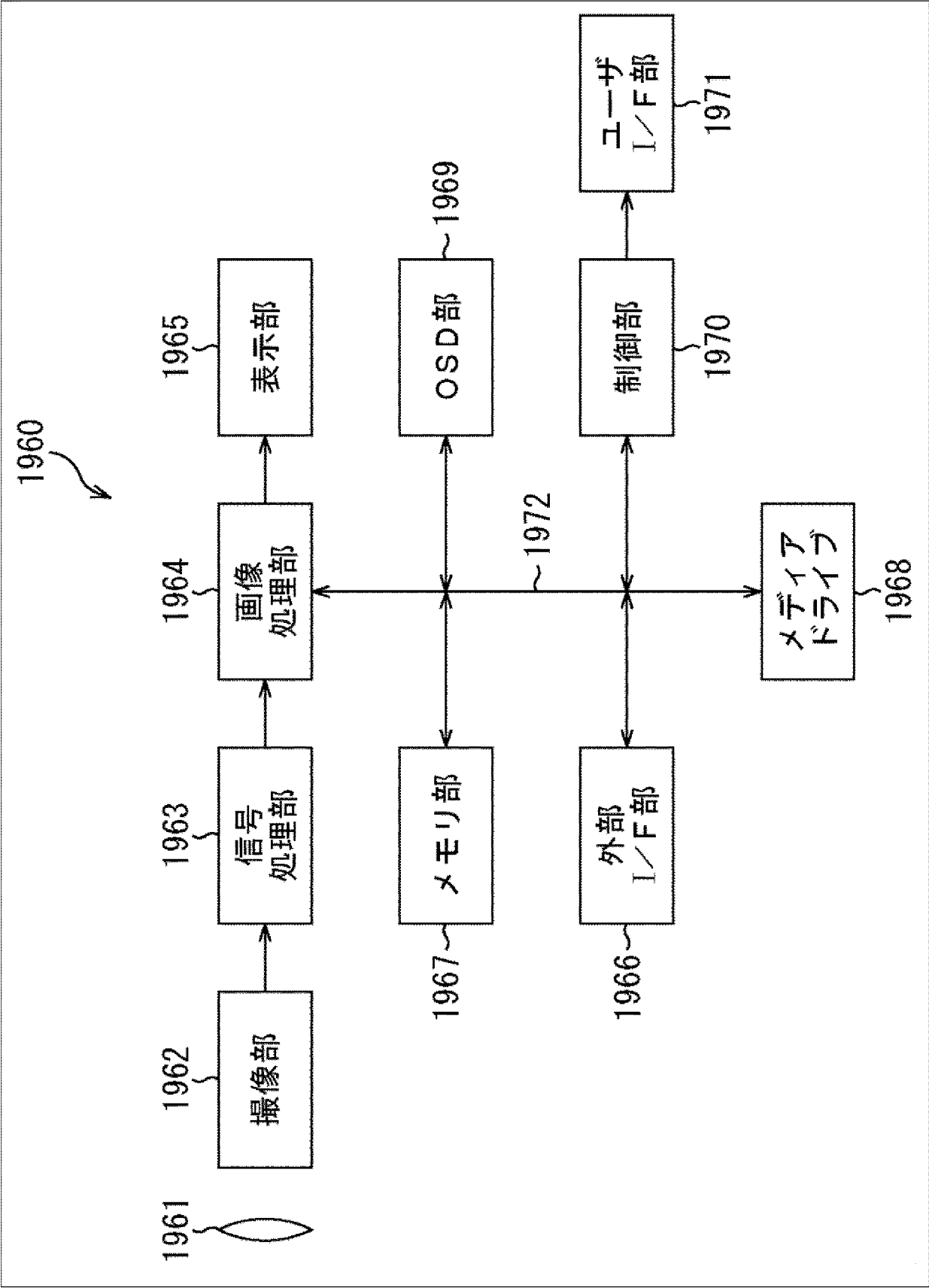
[図86]

図86



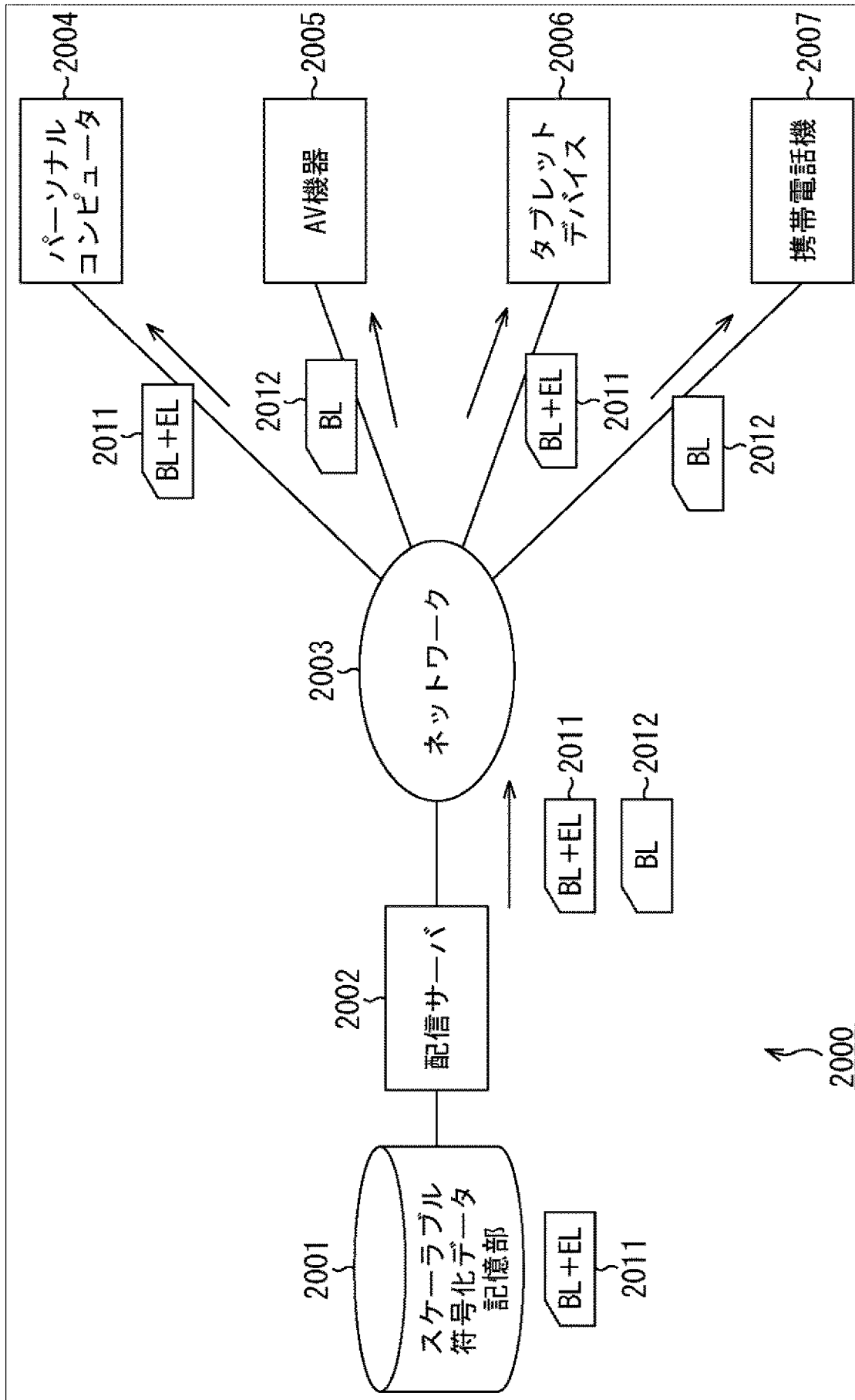
[図87]

図87



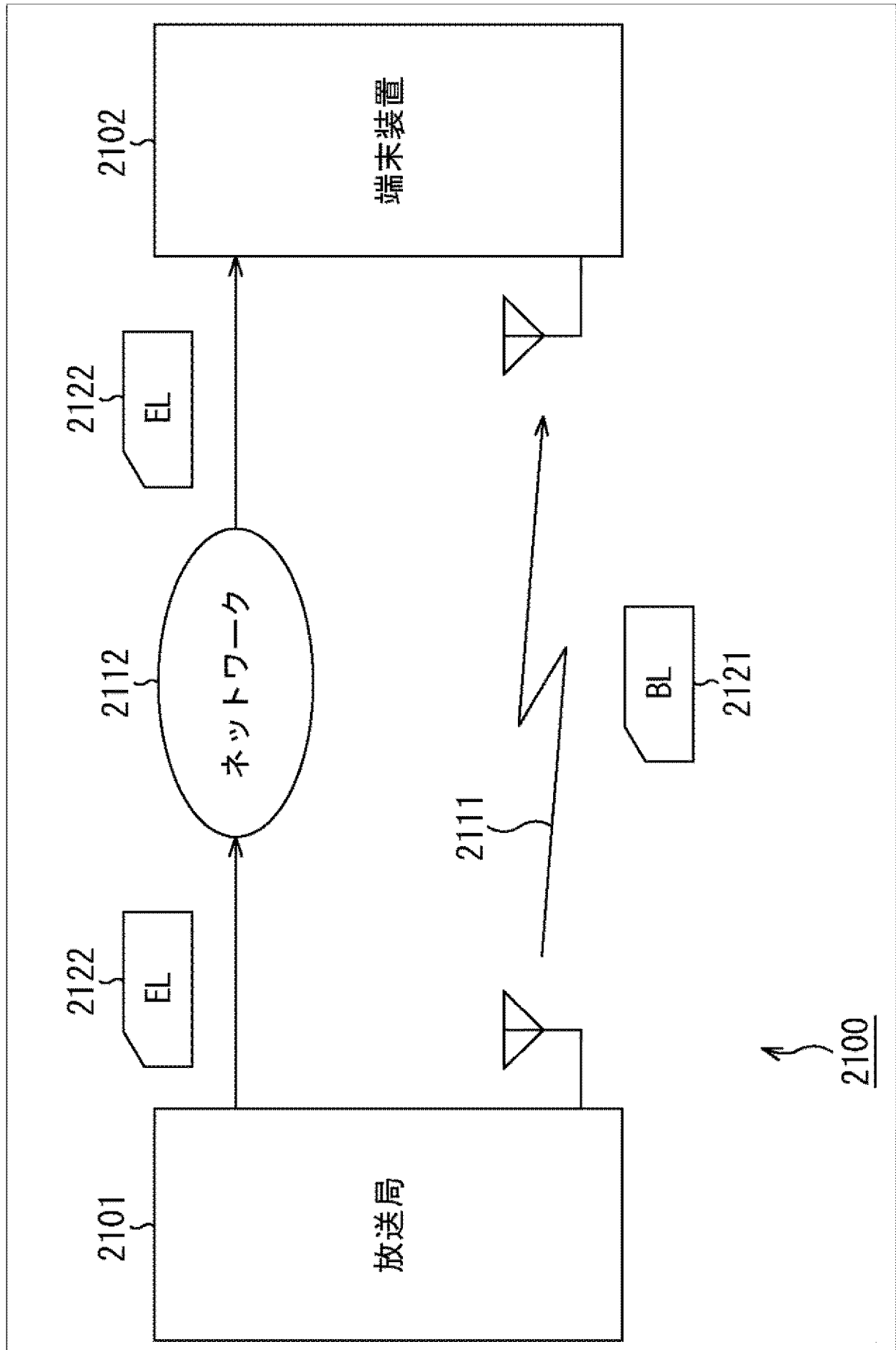
[図88]

図88



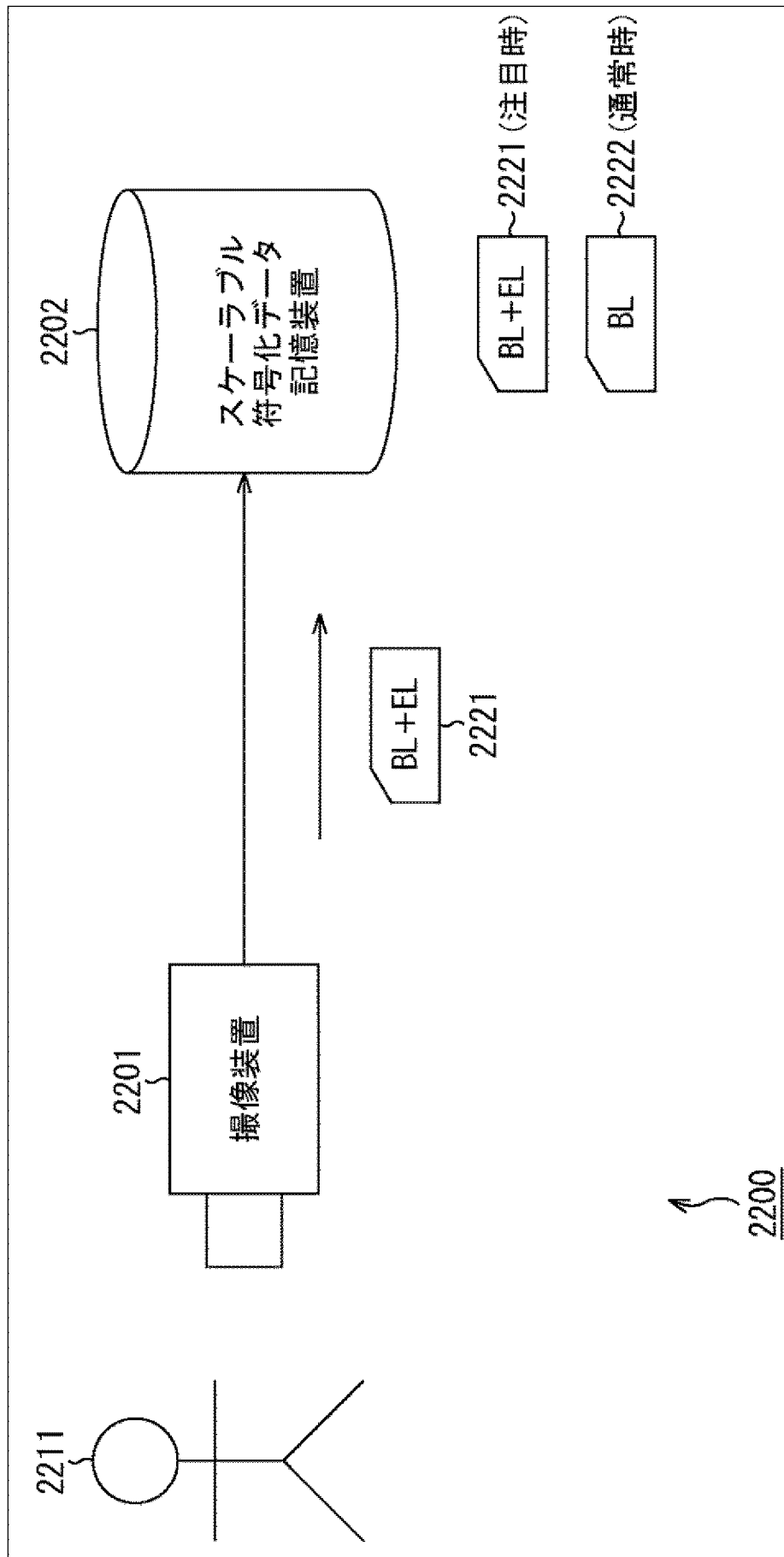
[図89]

図89

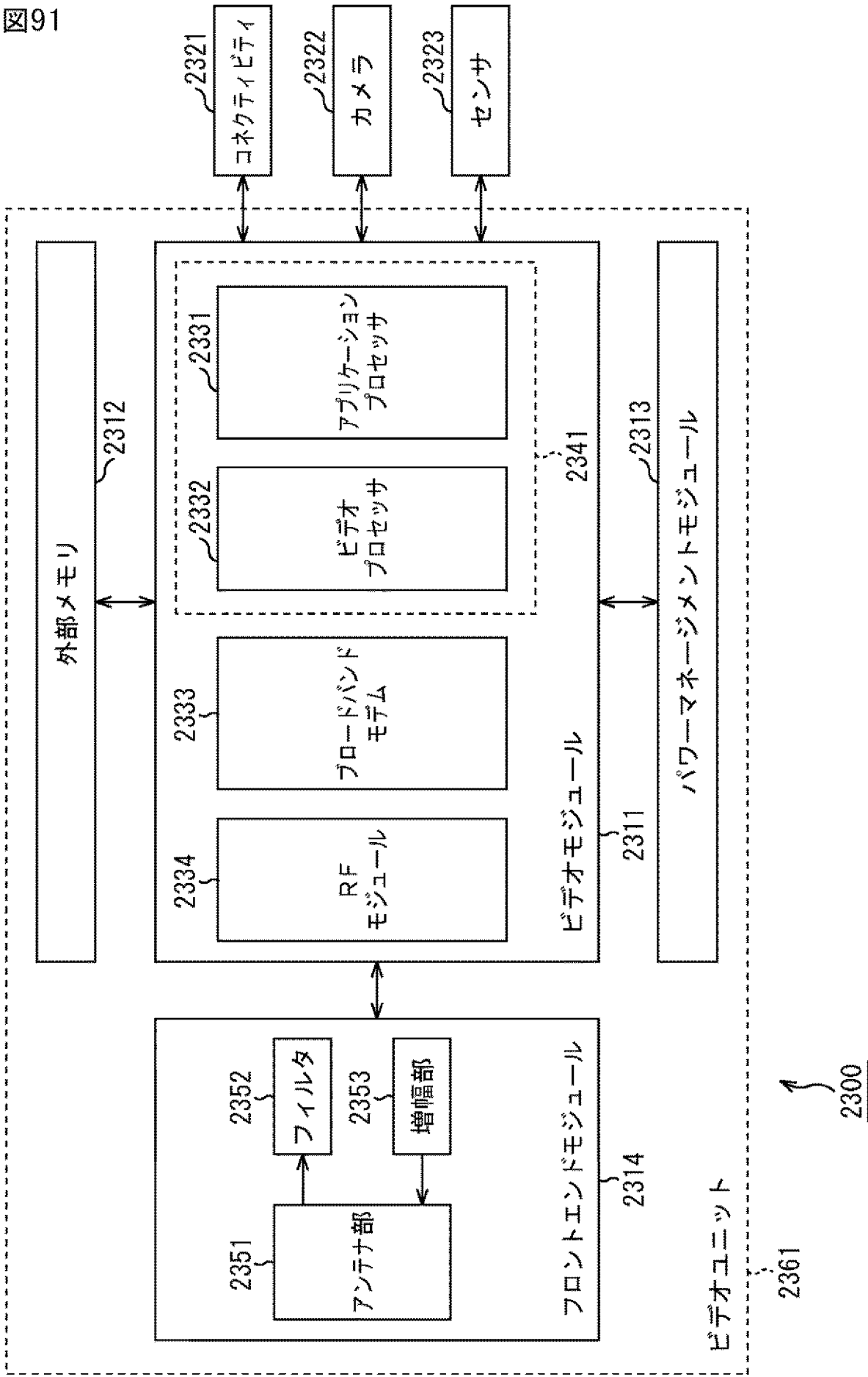


[図90]

図90

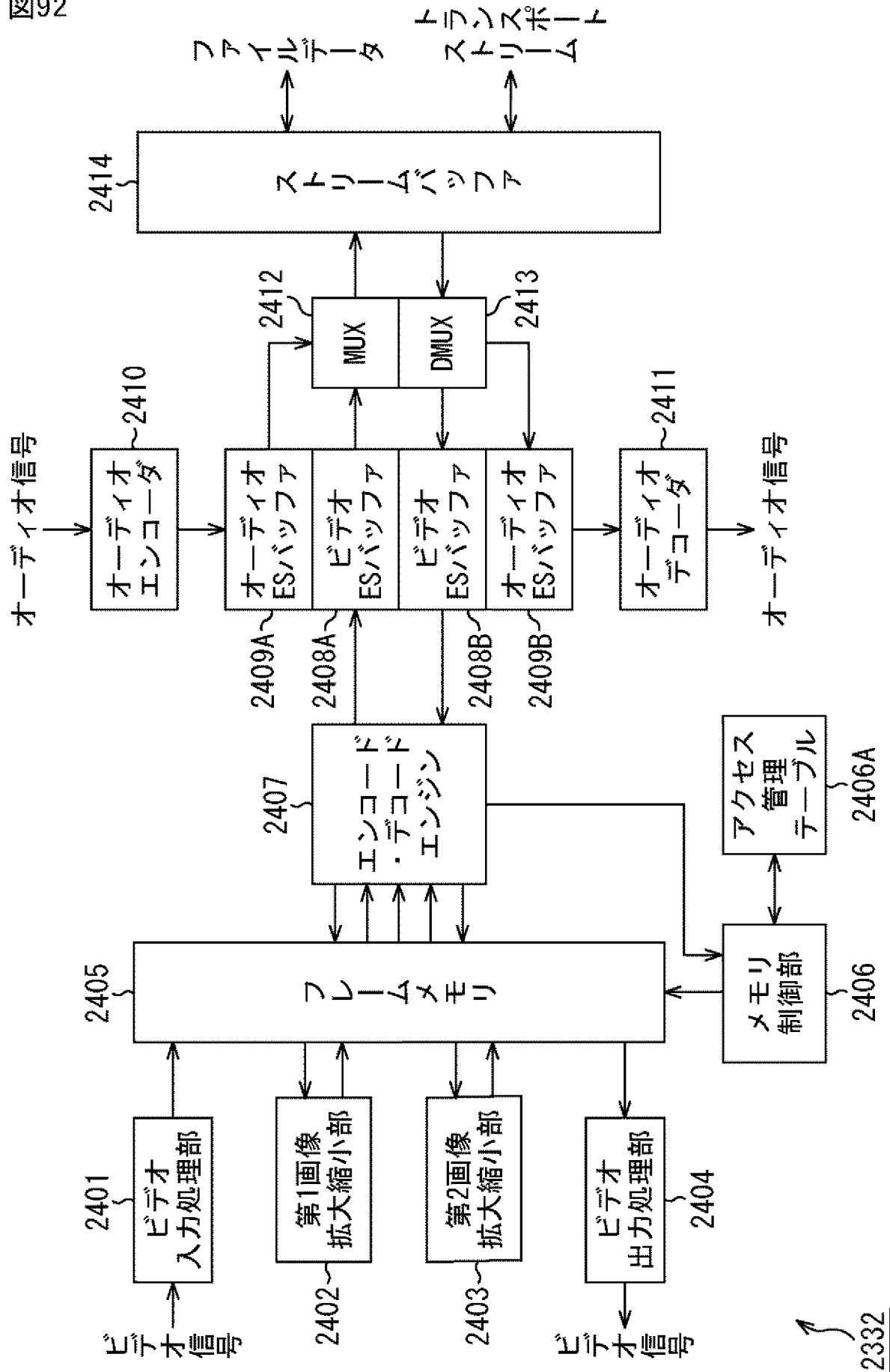


[図91]
図91



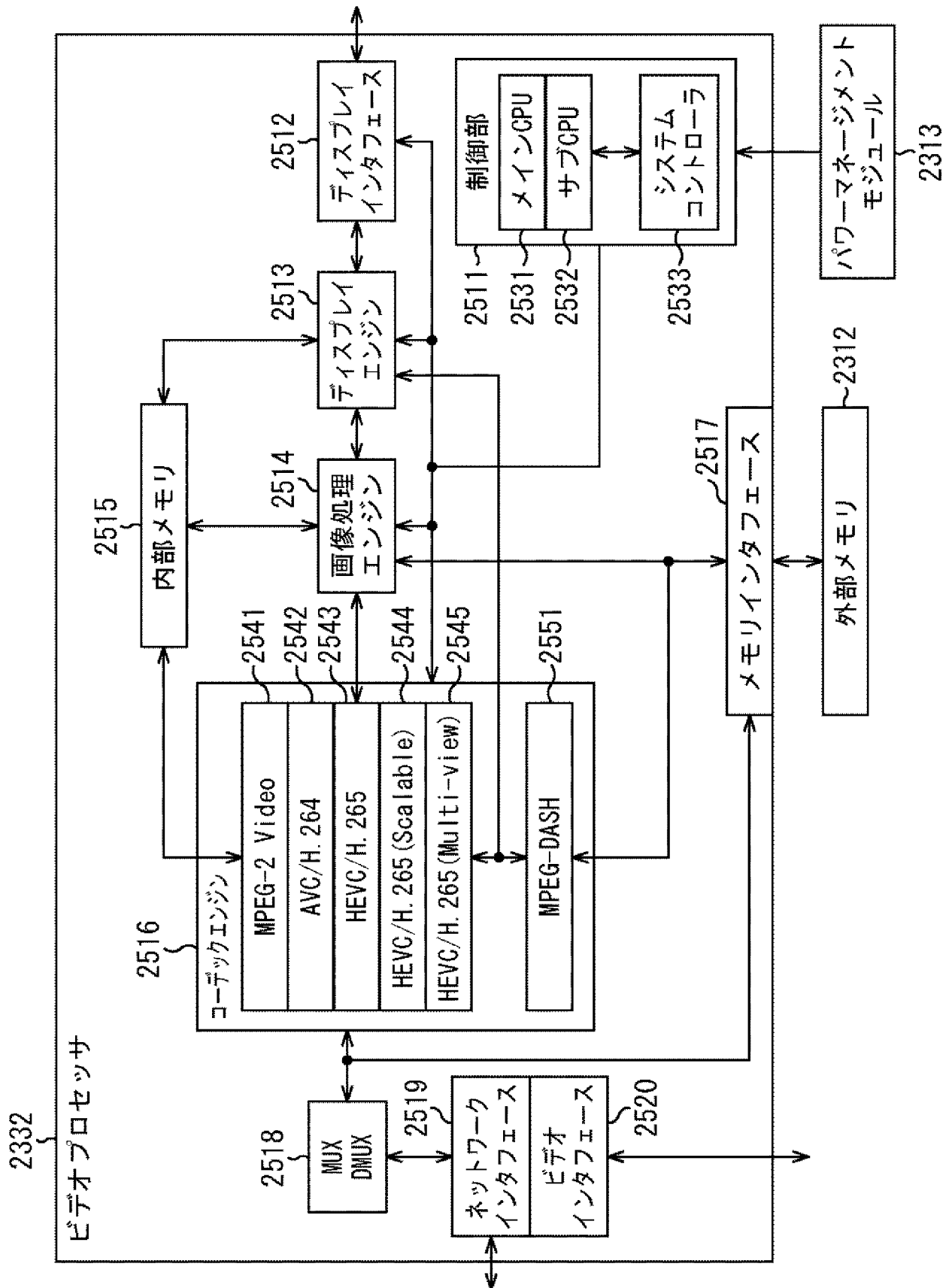
[図92]

図92



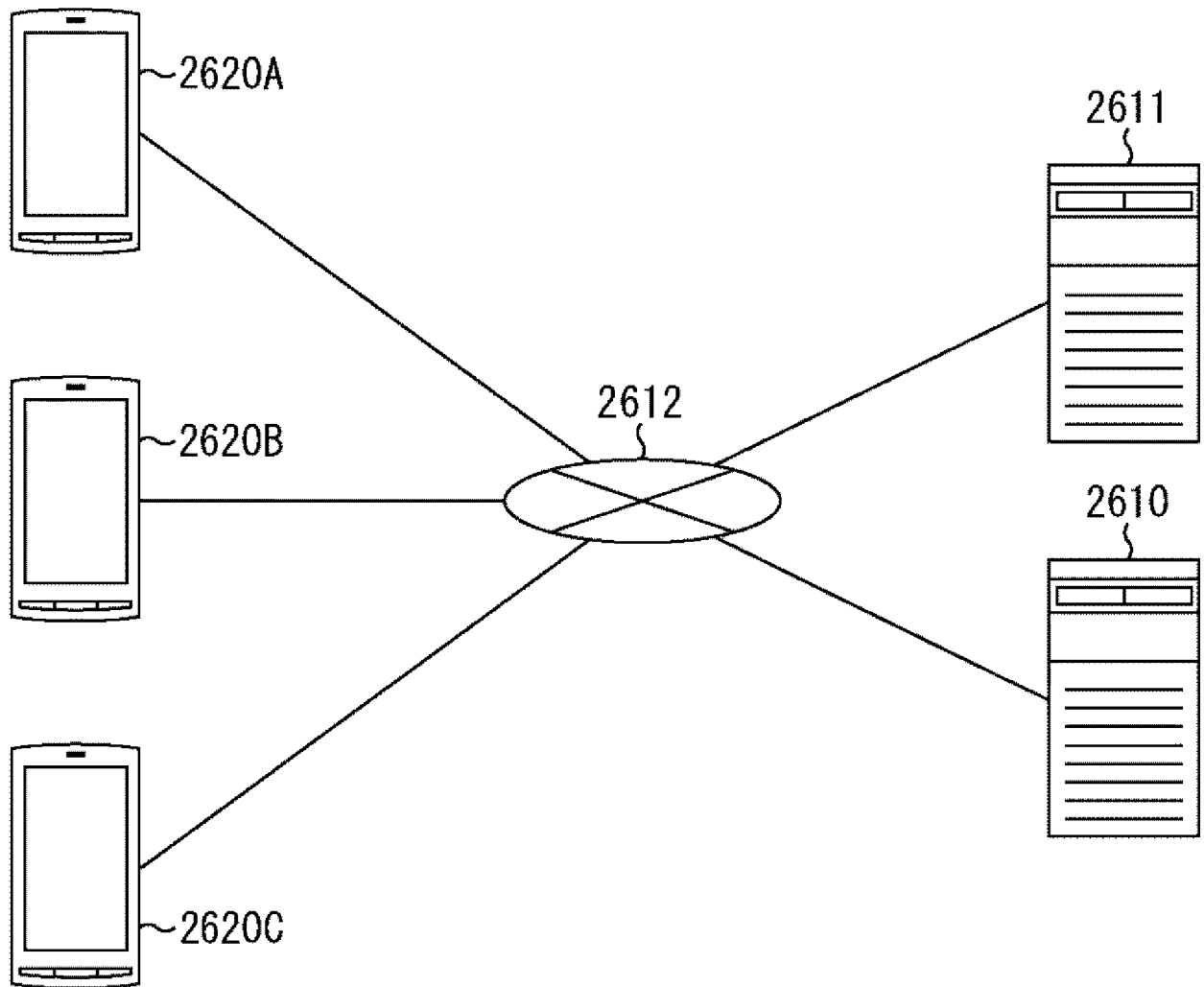
[図93]

図93



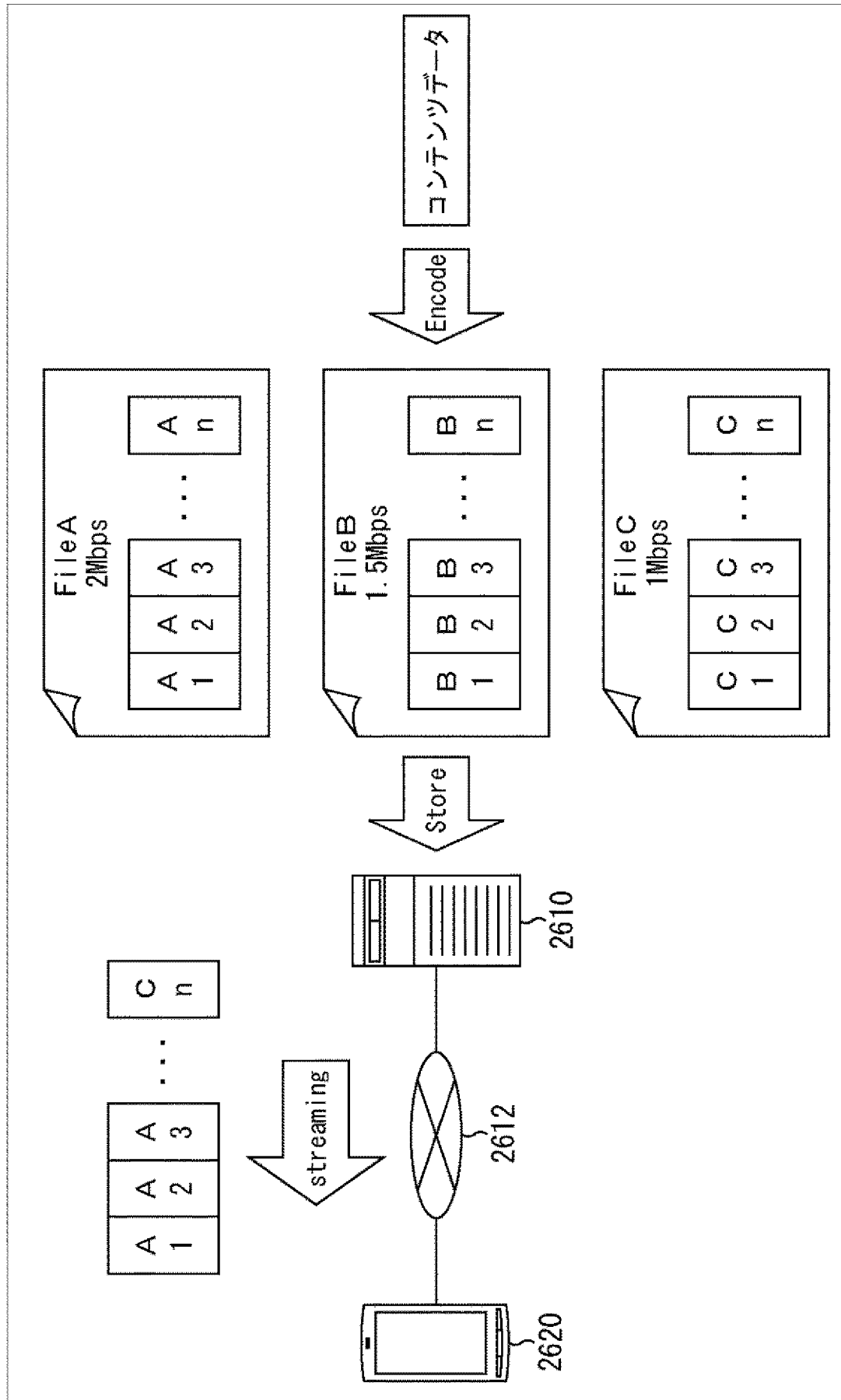
[図94]

図 94



[図95]

図95



[図96]

図96

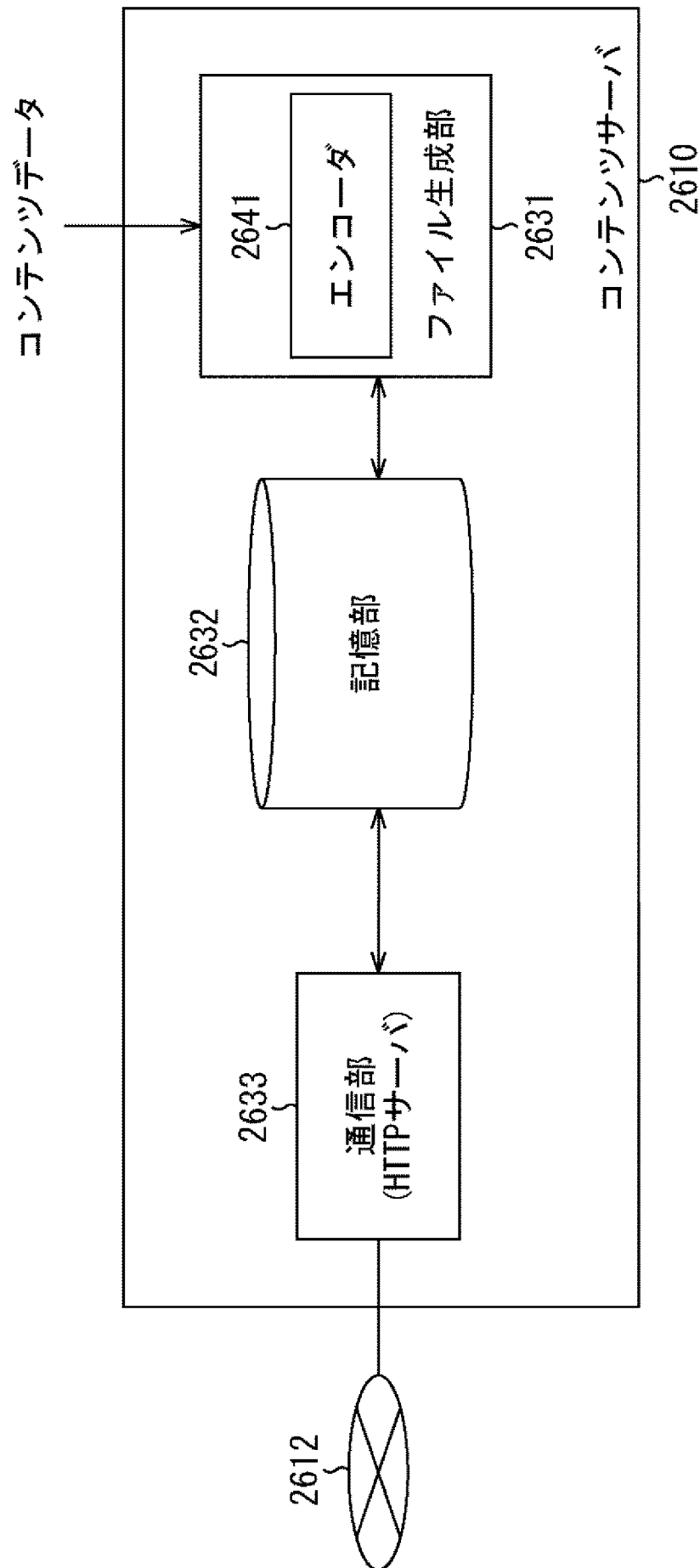
```

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<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>
    <!--English Audio-->
    <AdaptationSet mimeType="audio/mp4" codecs="mp4a.0x40" lang="en" subsegmentAlignment="true" subsegmentStartsWithSAP="1">
      <ContentProtection schemeIdUri="urn:uuid:7060953-656C-5244-4048-656164657221"/>
      <Representation id="1" bandwidth="64000">
        <BaseURL>7657412348.mp4</BaseURL>
      </Representation>
      <Representation id="2" bandwidth="32000">
        <BaseURL>3463646346.mp4</BaseURL>
      </Representation>
    </AdaptationSet>
    <!--Video-->
    <AdaptationSet mimeType="video/mp4" codecs="avc1.4d0228" subsegmentAlignment="true" subsegmentStartsWithSAP="2">
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      <Representation id="6" bandwidth="256000" width="320" height="240">
        <BaseURL>8563456473.mp4</BaseURL>
      </Representation>
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        <BaseURL>56363634.mp4</BaseURL>
      </Representation>
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        <BaseURL>562465736.mp4</BaseURL>
      </Representation>
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      </Representation>
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  </Period>
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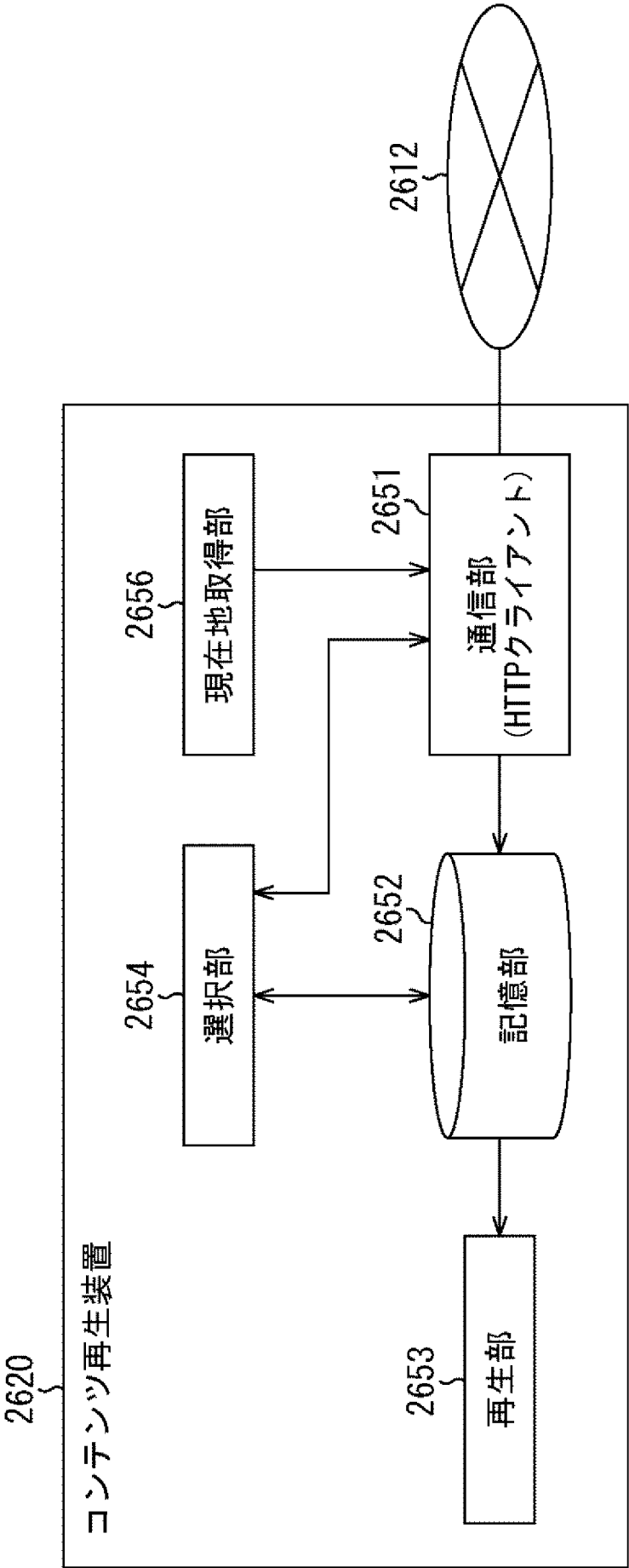
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[図97]

図97

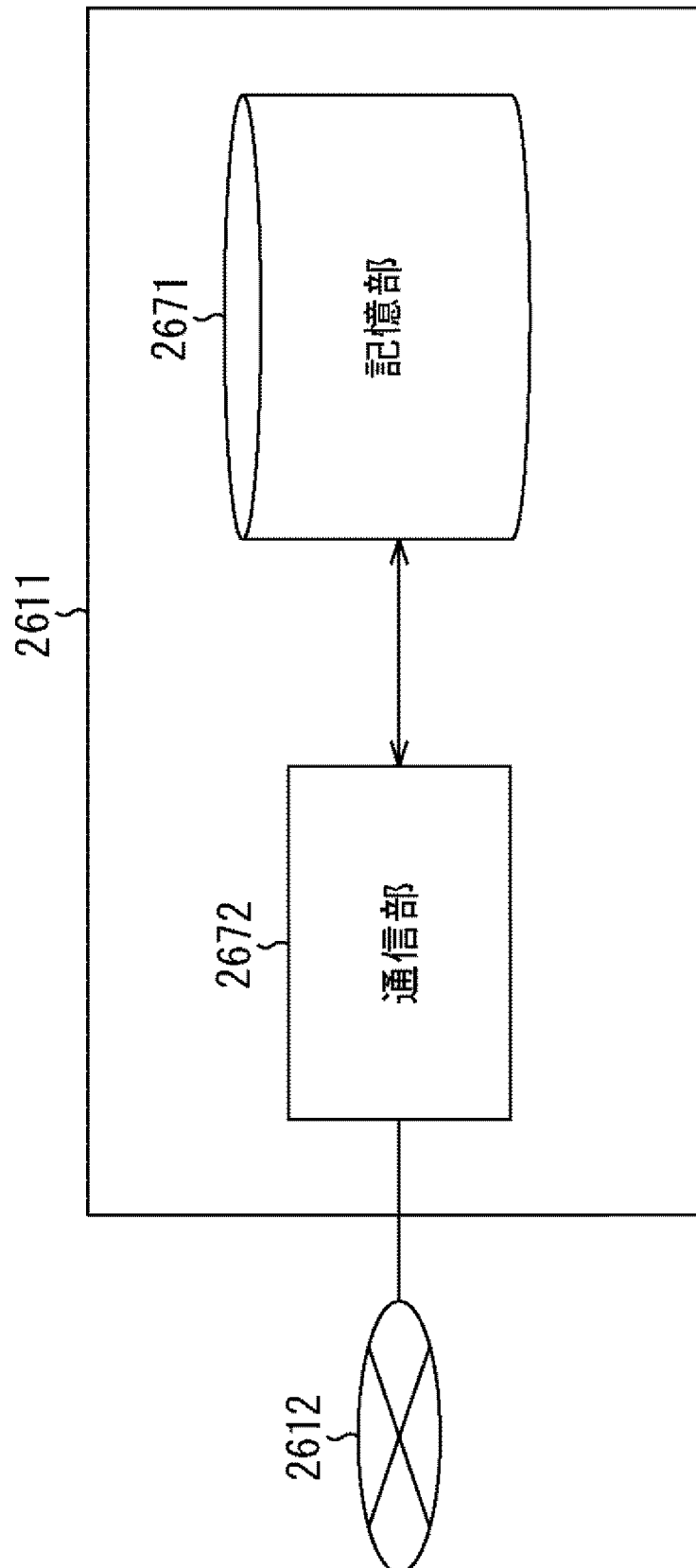


[図98]
図98

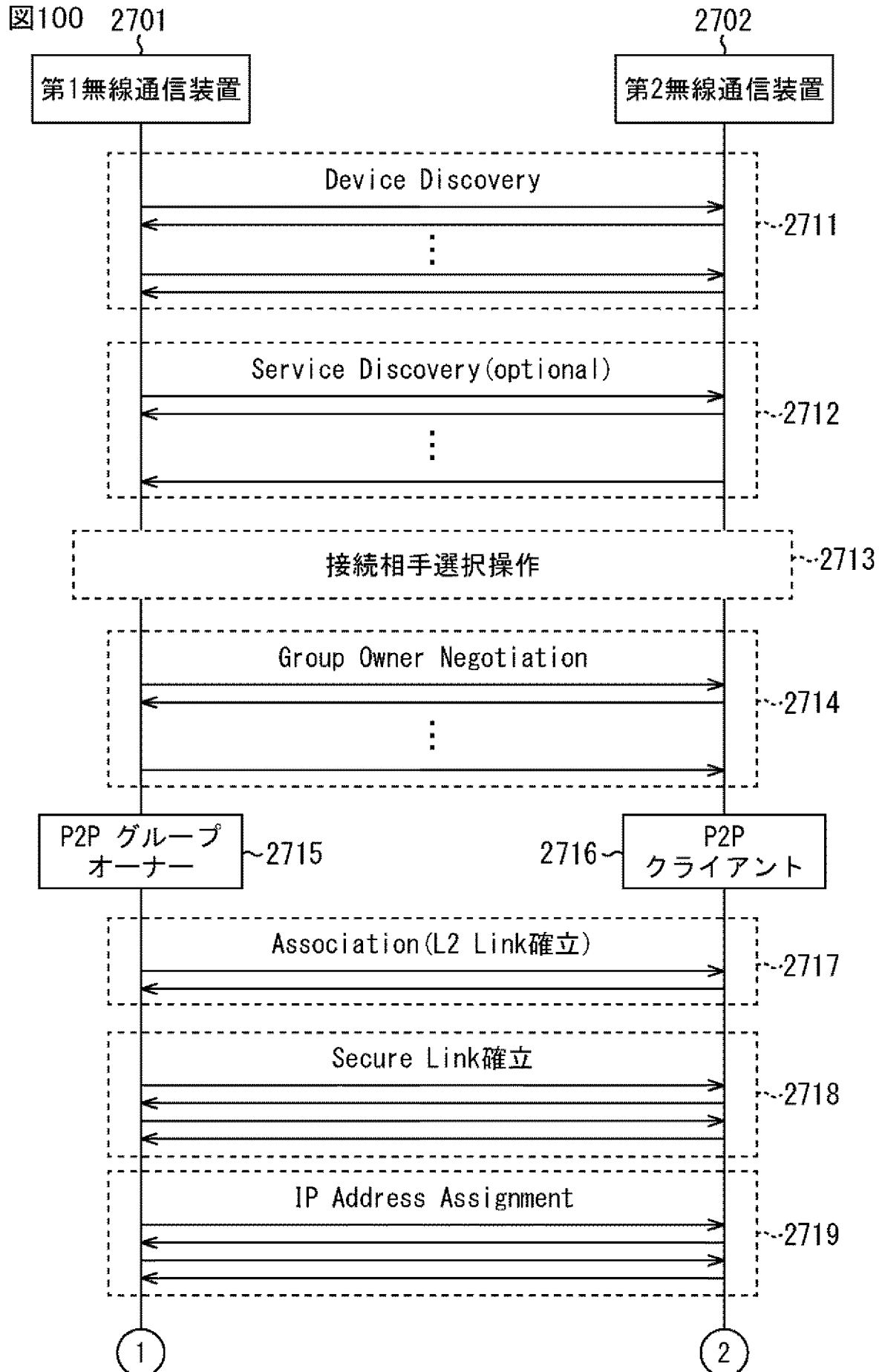


[図99]

図99

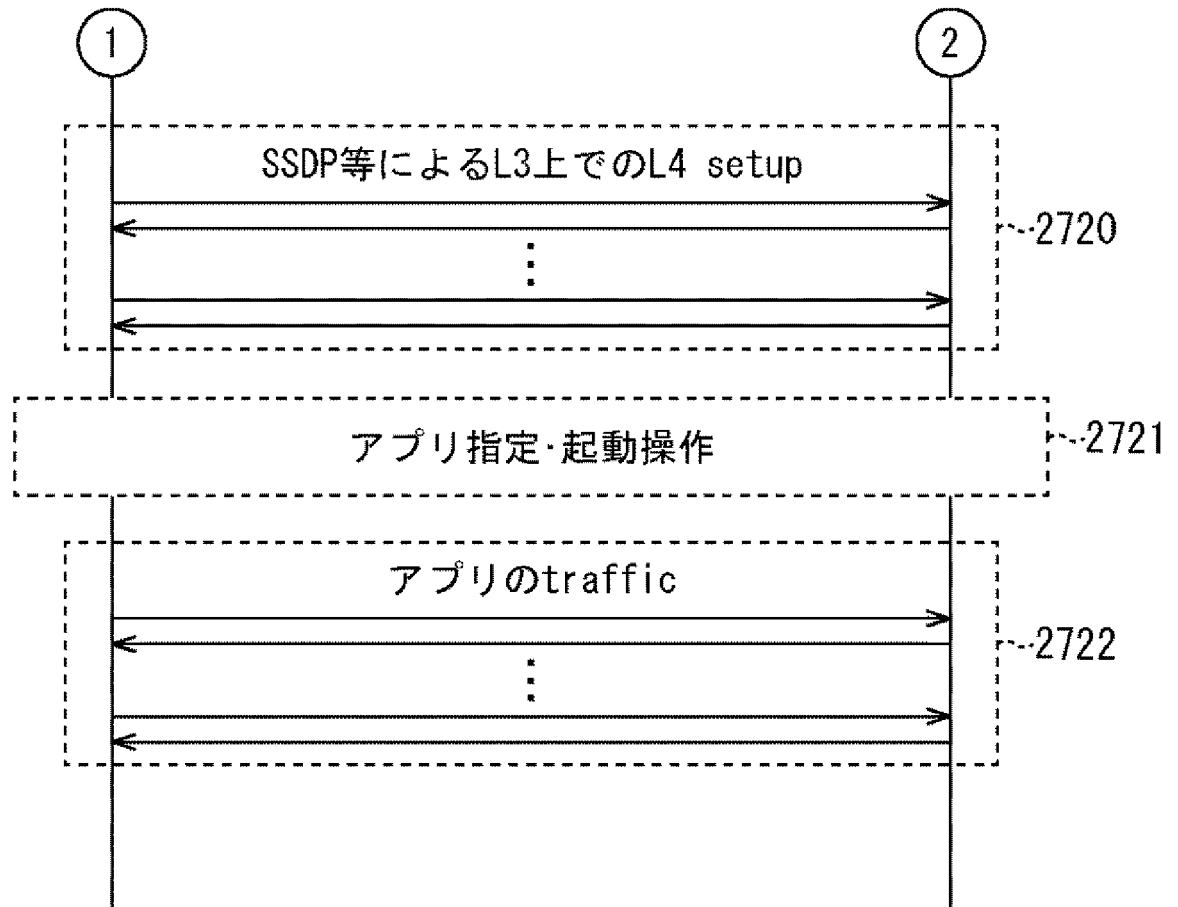


[図100]



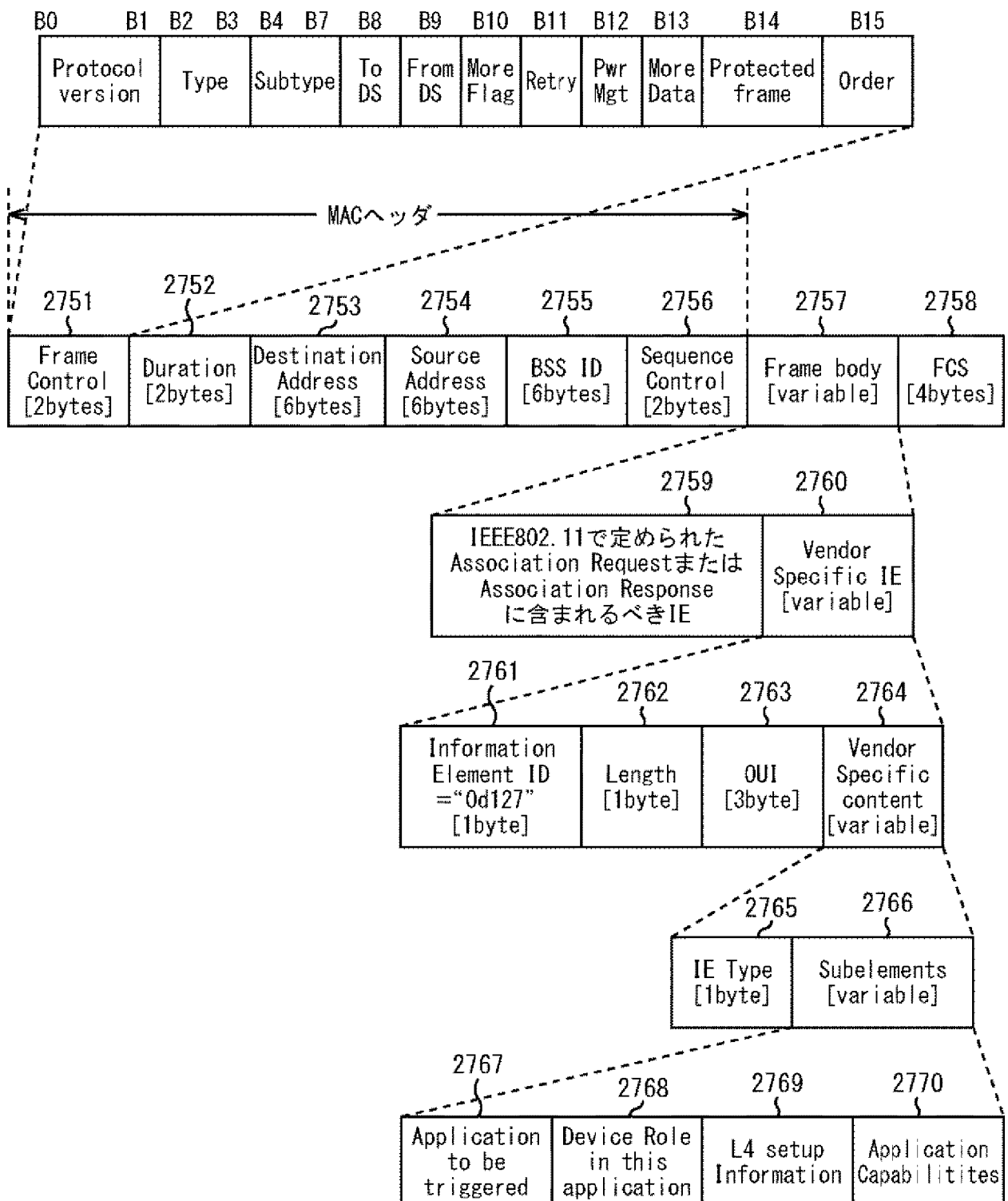
[図101]

図101



[図102]

図102



[図103]

図103

