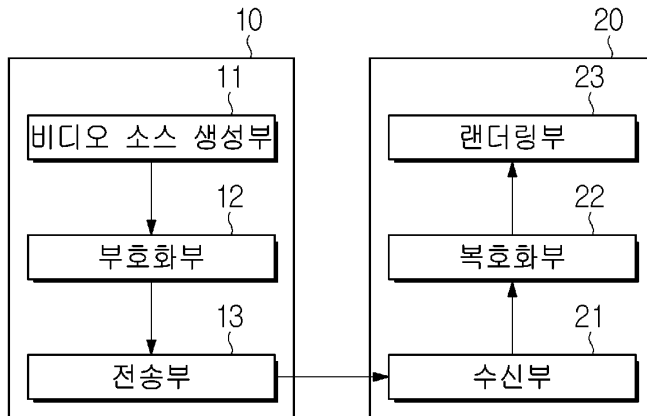
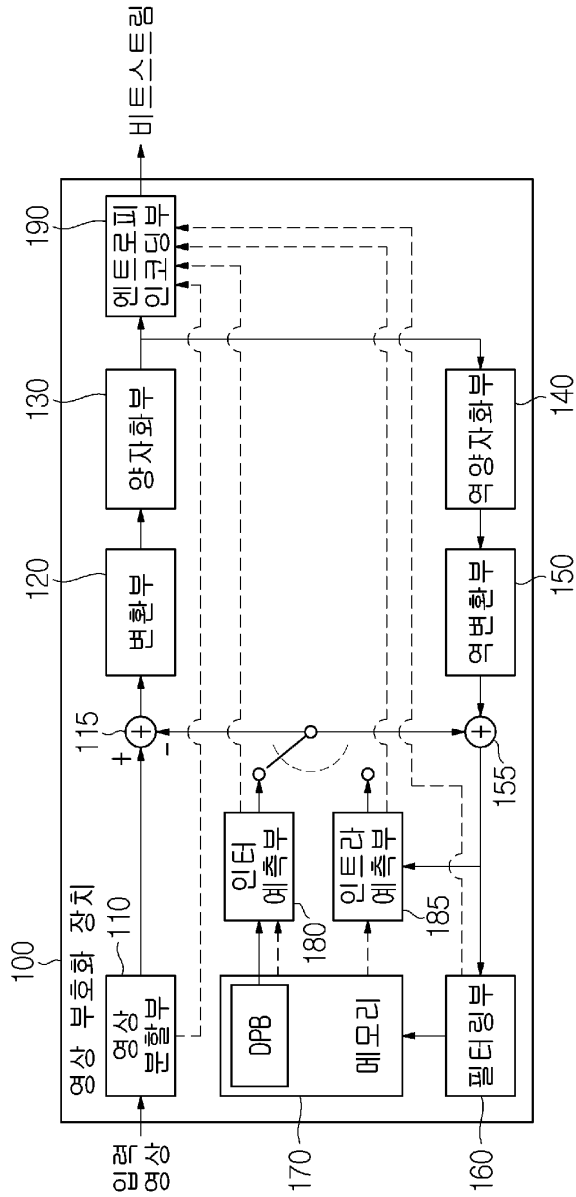


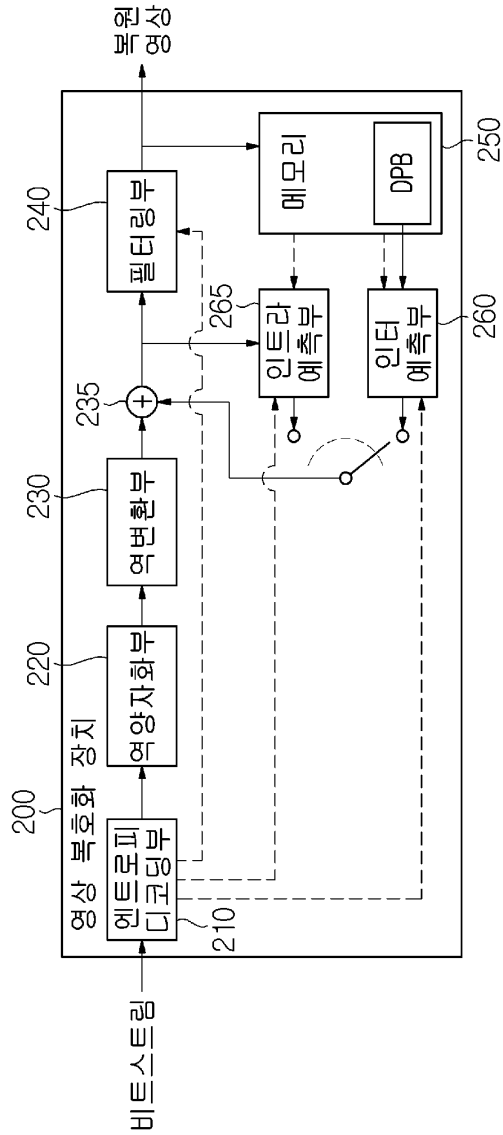
[도1]



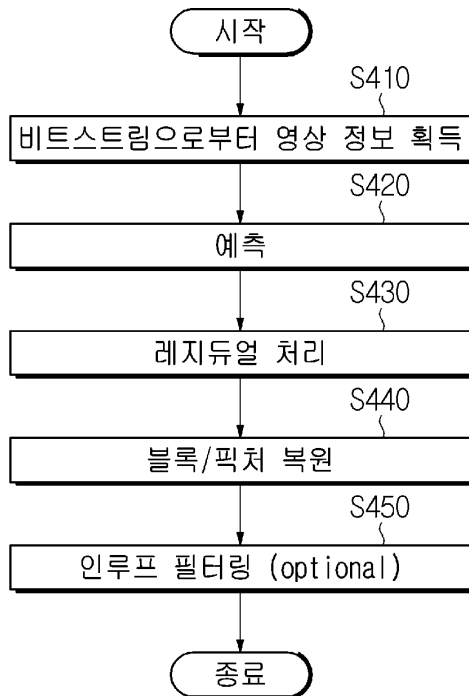
[도2]



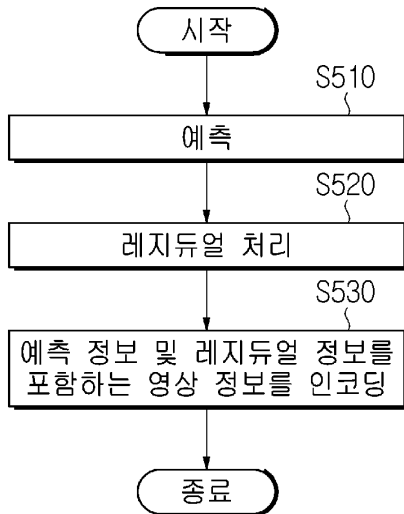
[도3]



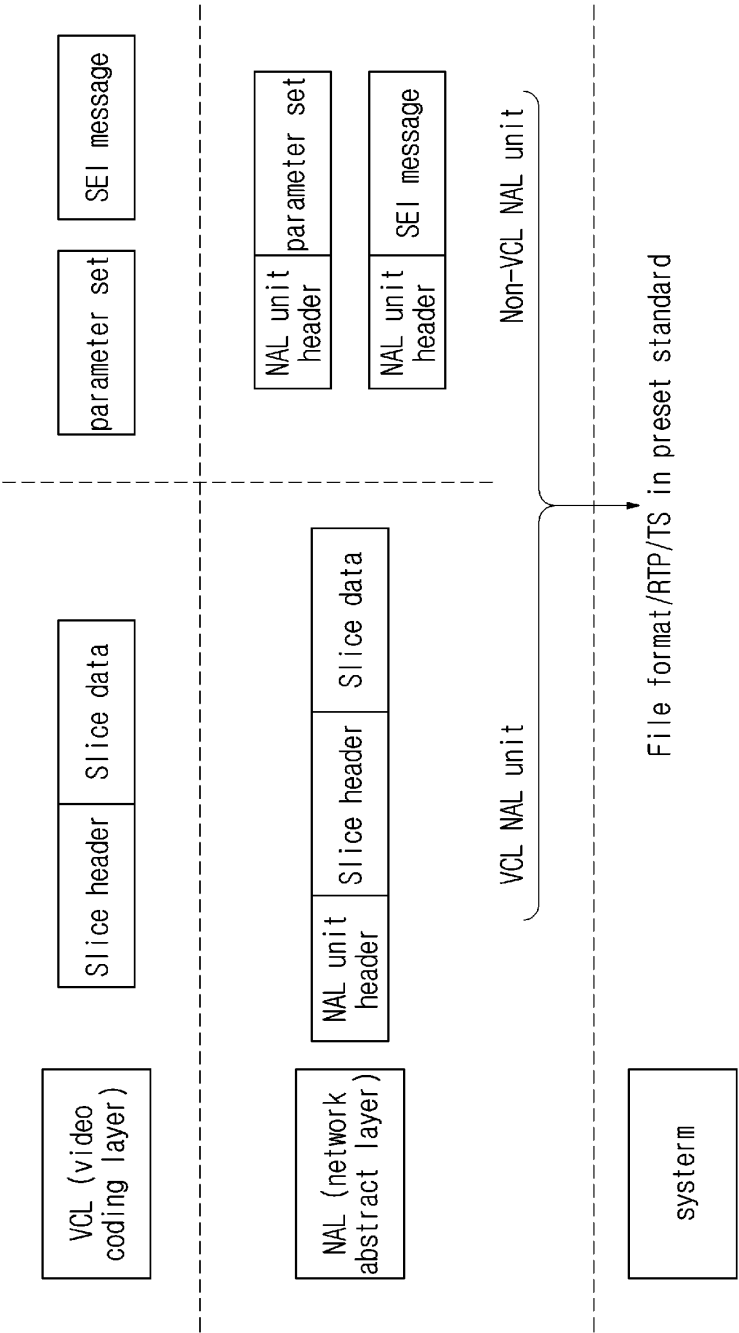
[도4]



[도5]



[도6]



[도7]

video_parameter_set_rbsp() {	Descriptor
...	
if(!vps_all_independent_layers_flag)	
vps_num_dpb_params	ue(v)
if(vps_num_dpb_params > 0) {	
same_dpb_size_output_or_nonoutput_flag	u(1)
if(vps_max_sublayers_minus1 > 0)	
vps_sublayer_dpb_params_present_flag	u(1)
}	
for(i = 0; i < vps_num_dpb_params; i++) {	
dpb_size_only_flag[i]	u(1)
if(vps_max_sublayers_minus1 > 0 && !vps_all_layers_same_num_sublayers_flag)	
dpb_max_temporal_id[i]	u(3)
dpb_parameters(dpb_size_only_flag[i], dpb_max_temporal_id[i],	
vps_sublayer_dpb_params_present_flag)	
}	
for(i = 0; i < vps_max_layers_minus1 && vps_num_dpb_params > 1; i++) {	
if(!vps_independent_layer_flag[i])	
layer_output_dpb_params_idx[i]	ue(v)
if(LayerUsedAsRefLayerFlag[i] && !same_dpb_size_output_or_nonoutput_flag)	
layer_nonoutput_dpb_params_idx[i]	ue(v)
}	
...	
}	

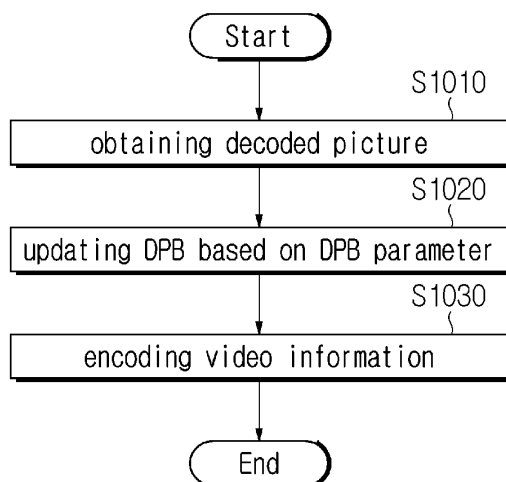
[도8]

dpb_parameters(dpbSizeOnlyFlag, maxSubLayersMinus1, subLayerInfoFlag) {	Descriptor
...	
for(i = (subLayerInfoFlag ? 0 : maxSubLayersMinus1);	
i <= maxSubLayersMinus1; i++) {	
max_dec_pic_buffering_minus1[i]	ue(v)
if(!dpbSizeOnlyFlag) {	
max_num_reorder_pics[i]	ue(v)
max_latency_increase_plus1[i]	ue(v)
}	
}	
...	
}	

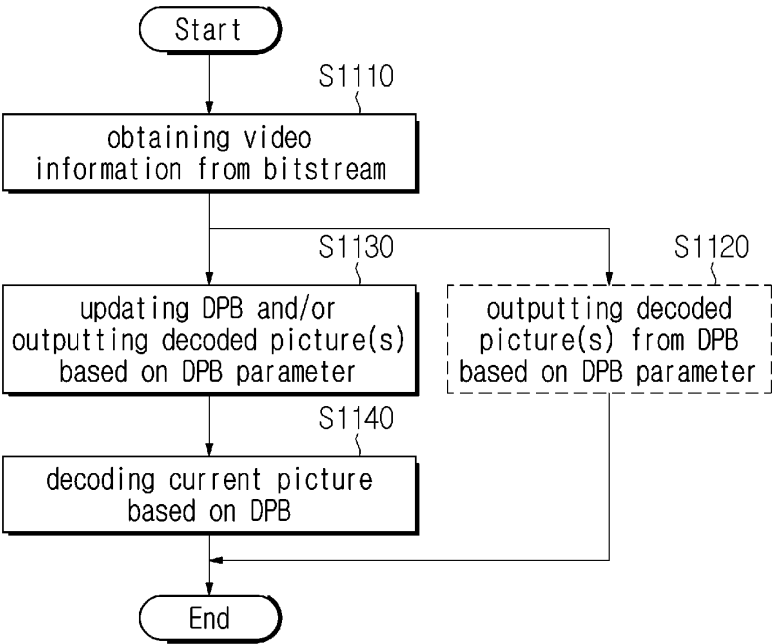
[도9]

video_parameter_set_rbsp() {	Descriptor
vps_video_parameter_set_id	u(4)
...	
vps_num_ptls_minus1	u(8)
for(i = 0; i <= vps_num_ptls_minus1; i++) {	
if(i > 0)	
pt_present_flag[i]	u(1)
if(vps_max_sublayers_minus1 > 0	
&& !vps_all_layers_same_num_sublayers_flag)	
ptl_max_temporal_id[i]	u(3)
} le2d	
while(!byte_aligned())	
vps_ptl_alignment_zero_bit /* equal to 0 */	f(1)
for(i = 0; i <= vps_num_ptls_minus1; i++)	
profile_tier_level(pt_present_flag[i], ptl_max_temporal_id[i])	
for(i = 0; i < TotalNumOls; i++)	
if(vps_num_ptls_minus1 > 0)	
ols_ptl_idx[i]	u(8)
if(!vps_all_independent_layers_flag)	
vps_num_dpb_params	ue(v)
if(vps_num_dpb_params > 0 && vps_max_sublayers_minus1 > 0)	
vps_sublayer_dpb_params_present_flag	u(1)
for(i = 0; i < vps_num_dpb_params; i++) {	
if(vps_max_sublayers_minus1 > 0	
&& !vps_all_layers_same_num_sublayers_flag)	
dpb_max_temporal_id[i]	u(3)
dpb_parameters(dpb_max_temporal_id[i], vps_sublayer_dpb_params_present_flag)	
}	
for(i = 0; i < TotalNumOls; i++) {	
if(NumLayersInOls[i] > 1) {	
ols_dpb_pic_width[i]	ue(v)
ols_dpb_pic_height[i]	ue(v)
if(vps_num_dpb_params > 1)	
ols_dpb_params_idx[i]	ue(v)
}	
}	
}	
}	
...	
}	

[도10]



[㉔11]



[㉔12]

video_parameter_set_rbsp() {	Descriptor
...	
if(!vps_all_independent_layers_flag !each_layer_is_an_ols_flag)	
vps_num_dpb_params	ue(v)
...	
}	

[13]

video_parameter_set_rbsp() {	Descriptor
...	
if(!each_layer_is_an_ols_flag)	
vps_num_dpb_params_minus1	ue(v)
if(VpsNumDpbParams > 0) {	
if(VpsNumDpbParams > 0 && vps_max_sublayers_minus1 > 0)	
vps_sublayer_dpb_params_present_flag	u(1)
for(i = 0; i < VpsNumDpbParams; i++) {	
if(vps_max_sublayers_minus1 > 0 && !vps_all_layers_same_num_sublayers_flag)	
dpb_max_temporal_id[i]	u(3)
dpb_parameters(dpb_max_temporal_id[i], vps_sublayer_dpb_params_present_flag)	
}	
for(i = 0; i < TotalNumOlss; i++) {	
if(NumLayersInOlss[i] > 1) {	
ols_dpb_pic_width[i]	ue(v)
ols_dpb_pic_height[i]	ue(v)
if(VpsNumDpbParams > 1)	
ols_dpb_params_idx[i]	ue(v)
}	
}	
...	
}	

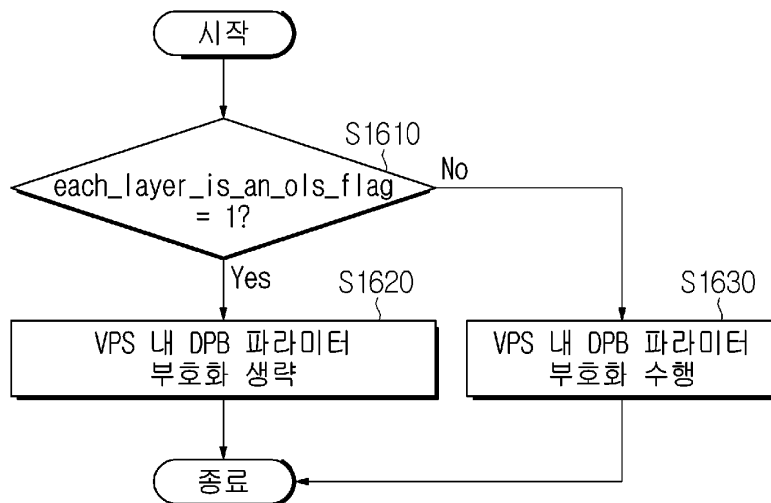
[14]

video_parameter_set_rbsp() {	Descriptor
...	
if(!each_layer_is_an_ols_flag)	
vps_num_dpb_params_minus1	ue(v)
if(VpsNumDpbParams > 0 && vps_max_sublayers_minus1 > 0)	
vps_sublayer_dpb_params_present_flag	u(1)
for(i = 0; i < VpsNumDpbParams; i++) {	
if(vps_max_sublayers_minus1 > 0 && !vps_all_layers_same_num_sublayers_flag)	
dpb_max_temporal_id[i]	u(3)
dpb_parameters(dpb_max_temporal_id[i], vps_sublayer_dpb_params_present_flag)	
}	
for(i = 0; VpsNumDpbParams > 1 && i < TotalNumOlss; i++) {	
if(NumLayersInOlss[i] > 1) {	
ols_dpb_pic_width[i]	ue(v)
ols_dpb_pic_height[i]	ue(v)
if(VpsNumDpbParams > 1)	
ols_dpb_params_idx[i]	ue(v)
}	
}	
...	
}	

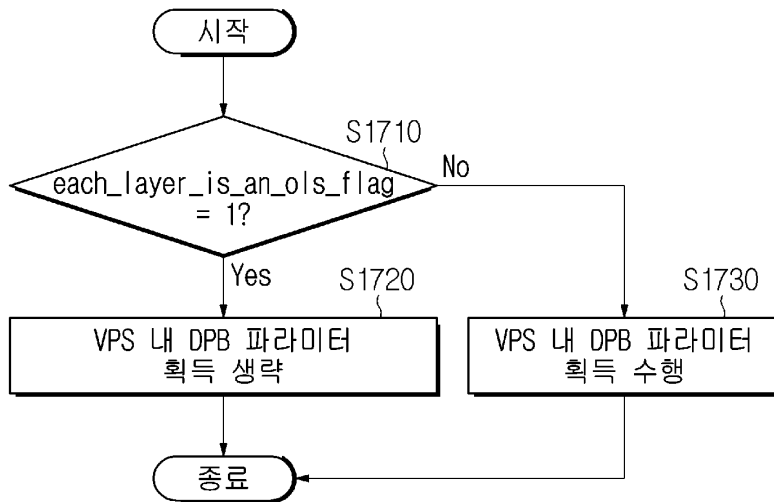
[도15]

video_parameter_set_rbsp() {	Descriptor
...	
if(!each_layer_is_an_ols_flag) {	
vps_num_dpb_params_minus1	ue(v)
if(VpsNumDpbParams > 0 && vps_max_sublayers_minus1 > 0)	
vps_sublayer_dpb_params_present_flag	u(1)
for(i = 0; i < VpsNumDpbParams; i++) {	
if(vps_max_sublayers_minus1 > 0	
&& !vps_all_layers_same_num_sublayers_flag)	
dpb_max_temporal_id[i]	u(3)
dpb_parameters(dpb_max_temporal_id[i], vps_sublayer_dpb_params_present_flag)	
}	
for(i = 0; VpsNumDpbParams > 1 && i < TotalNumOls; i++) {	
if(NumLayersInOls[i] > 1) {	
ols_dpb_pic_width[i]	ue(v)
ols_dpb_pic_height[i]	ue(v)
if(VpsNumDpbParams > 1)	
ols_dpb_params_idx[i]	ue(v)
}	
}	
...	
}	

[도16]



[도17]



[도18]

