

FIG.1

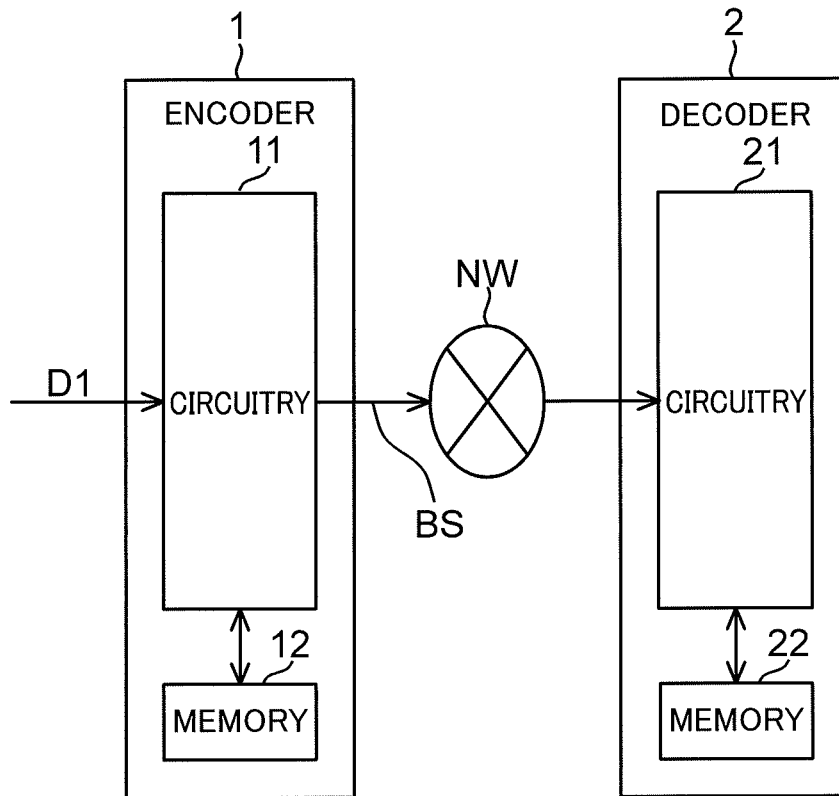


FIG.2

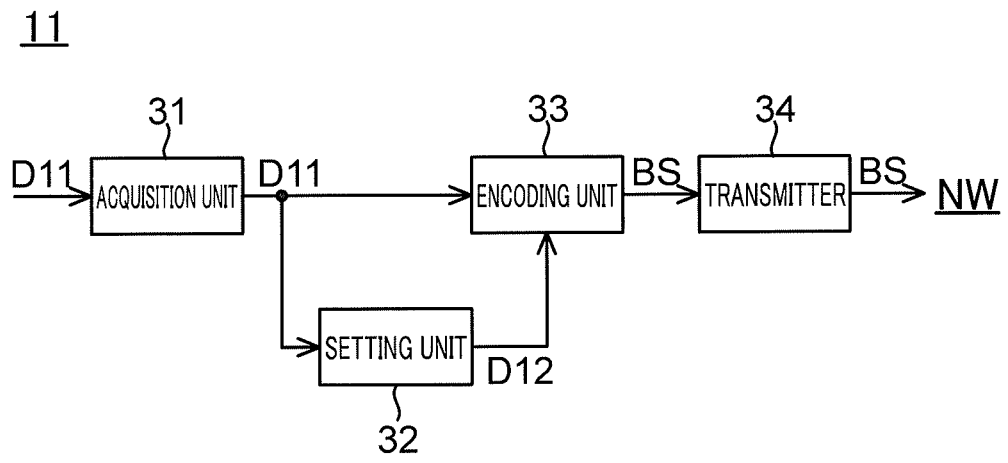


FIG.3

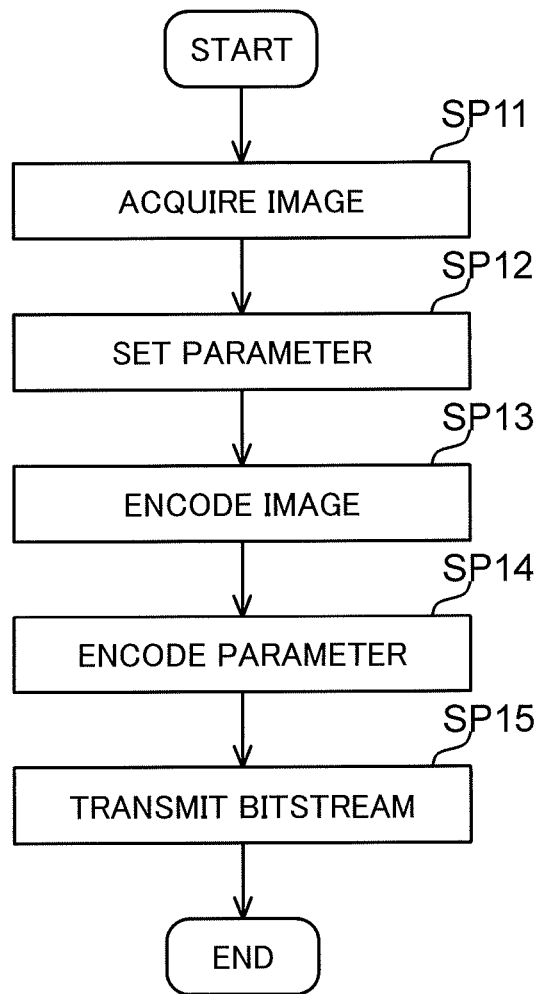


FIG.4

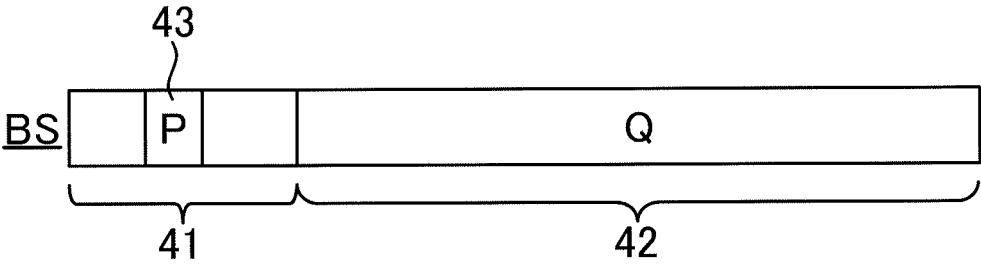


FIG.5

vui_parameters(payloadSize){	IDENTIFIER
...	
vui_colour_description_present_flag	u(1)
...	
if(more_data_in_payload()){	
if(payload_extension_present()){	
vui_modality_info_present_flag	u(1)
if(vui_modality_info_present_flag){	
vui_modality_type	u(8)
}	
}	
vui_payload_bit_equal_to_one/*equal to 1*/	f(1)
while(!byte_aligned())	
vui_payload_bit_equal_to_zero/*equal to 0*/	f(1)
}	
}	

FIG.6

vui_modality_type	IMAGE TYPE
0	UNDEFINED
1	VISIBLE LIGHT IMAGE
2	INFRARED IMAGE
3	ULTRAVIOLET IMAGE
4-255	SPARE

FIG.7

vui_parameters(payloadSize){	IDENTIFIER
...	
vui_colour_description_present_flag	u(1)
...	
if(more_data_in_payload()){	
if(payload_extension_present()){	
vui_modality_info_present_flag	u(1)
if(vui_modality_info_present_flag){	
vui_modality_type	u(8)
vui_modality_type_extension_bits	ue(v)
if(vui_modality_type_extension_bits>0)	
vui_reserved_modality_type_extension	u(v)
}	
}	
vui_payload_bit_equal_to_one/*equal to 1*/	f(1)
while(!byte_aligned())	
vui_payload_bit_equal_to_zero/*equal to 0*/	f(1)
}	
}	

FIG.8

vui_parameters(payloadSize){	IDENTIFIER
...	
vui_colour_description_present_flag	u(1)
...	
if(more_data_in_payload()){	
if(payload_extension_present()){	
vui_modality_info_present_flag	u(1)
if(vui_modality_info_present_flag){	
vui_modality_type	u(8)
vui_spectrum_range_present_flag	u(1)
if(vui_spectrum_range==1){	
vui_min_wavelength_mantissa	u(10)
vui_max_wavelength_mantissa	u(10)
vui_min_wavelength_exponent_plus15	u(5)
vui_max_wavelength_exponent_plus15	u(5)
}	
vui_modality_type_extension_bits	ue(v)
if(vui_modality_type_extension_bits>0)	
vui_reserved_modality_type_extension	u(v)
}	
}	
vui_payload_bit_equal_to_one/*equal to 1*/	f(1)
while(!byte_aligned())	
vui_payload_bit_equal_to_zero/*equal to 0*/	f(1)
}	
}	

FIG.9

vui_parameters(payloadSize){	IDENTIFIER
...	
vui_colour_description_present_flag	u(1)
...	
if(more_data_in_payload()){	
if(payload_extension_present()){	
vui_modality_info_present_flag	u(1)
if(vui_modality_info_present_flag){	
vui_modality_type	u(8)
vui_spectrum_range	u(8)
vui_modality_type_extension_bits	ue(v)
if(vui_modality_type_extension_bits>0)	
vui_reserved_modality_type_extension	u(v)
}	
}	
vui_payload_bit_equal_to_one/*equal to 1*/	f(1)
while(!byte_aligned())	
vui_payload_bit_equal_to_zero/*equal to 0*/	f(1)
}	
}	

FIG.10

INDEX VALUE	MINIMUM WAVELENGTH (m)	MAXIMUM WAVELENGTH (m)
0	UNDEFINED	
1	USER DEFINED	
2	$1*10^{-9}$	$1*10^{-7}$
3	$1*10^{-7}$	$19*10^{-8}$
4	$19*10^{-8}$	$28*10^{-8}$
5	$28*10^{-8}$	$315*10^{-9}$
6	$315*10^{-9}$	$38*10^{-8}$
7	$38*10^{-8}$	$78*10^{-8}$
8	$78*10^{-8}$	$3*10^{-8}$
9	$3*10^{-8}$	$5*10^{-5}$
10	$5*10^{-5}$	$1*10^{-3}$
11-255	SPARE	

FIG.11

vui_parameters(payloadSize){	IDENTIFIER
...	
vui_colour_description_present_flag	u(1)
...	
if(more_data_in_payload()){	
if(payload_extension_present()){	
vui_modality_info_present_flag	u(1)
if(vui_modality_info_present_flag){	
vui_modality_type	u(8)
vui_spectrum_range	u(8)
if(vui_spectrum_range==1){	
vui_min_wavelength_mantissa	u(10)
vui_max_wavelength_mantissa	u(10)
vui_min_wavelength_exponent_plus15	u(5)
vui_max_wavelength_exponent_plus15	u(5)
}	
vui_modality_type_extension_bits	ue(v)
if(vui_modality_type_extension_bits>0)	
vui_reserved_modality_type_extension	u(v)
}	
}	
vui_payload_bit_equal_to_one/*equal to 1*/	f(1)
while(!byte_aligned())	
vui_payload_bit_equal_to_zero/*equal to 0*/	f(1)
}	
}	

FIG.12

vui_parameters(payloadSize){	IDENTIFIER
...	
if(more_data_in_payload()){	
if(payload_extension_present()){	
vui_modality_info_present_flag	u(1)
if(vui_modality_info_present_flag){	
vui_modality_type	u(8)
if(vui_modality_type==2){	
vui_infrared_radiance_representation_type	u(2)
if(vui_infrared_radiance_representation_type==2){	
vui_min_temperature_sign	u(1)
vui_min_temperature_exponent	u(7)
vui_min_temperature_mantissa_len_minus1	u(5)
vui_min_temperature_mantissa	u(v)
vui_max_temperature_sign	u(1)
vui_max_temperature_exponent	u(7)
vui_max_temperature_mantissa_len_minus1	u(5)
vui_max_temperature_mantissa	u(v)
}	
}	
vui_modality_type_extension_bits	ue(v)
if(vui_modality_type_extension_bits>0)	
vui_reserved_modality_type_extension	u(v)
}	
}	
vui_payload_bit_equal_to_one/*equal to 1*/	f(1)
while(!byte_aligned())	
vui_payload_bit_equal_to_zero/*equal to 0*/	f(1)
}	
}	

FIG.13

vui_infrared_radiance_representation_type	INTERPRETATION
0	UNDEFINED
1	INTENSITY VALUE
2	TEMPERATURE VALUE
3	SPARE

FIG.14

vui_parameters(payloadSize){	IDENTIFIER
...	
if(more_data_in_payload()){	
if(payload_extension_present()){	
vui_modality_info_present_flag	u(1)
if(vui_modality_info_present_flag){	
...	
vui_false_colour_representation_present_flag	u(1)
if(vui_false_colour_representation_present_flag){	
vui_num_hex_colour_code_minus2	ue(v)
vui_num_value_minus2	ue(v)
vui_colour_interpolation_type	ue(v)
for(i=1;i<=vui_num_hex_colour_code_minus2+2;i++)	
vui_hex_colour_code[i]	u(24)
}	
vui_modality_type_extension_bits	ue(v)
if(vui_modality_type_extension_bits>0)	
vui_reserved_modality_type_extension	u(v)
}	
}	
vui_payload_bit_equal_to_one/*equal to 1*/	f(1)
while(!byte_aligned())	
vui_payload_bit_equal_to_zero/*equal to 0*/	f(1)
}	
}	

FIG.15

vui_colour_interpolation_type	INTERPRETATION
0	UNDEFINED
1	LINEAR INTERPOLATION
2	BILINEAR INTERPOLATION
3-15	SPARE

FIG.16

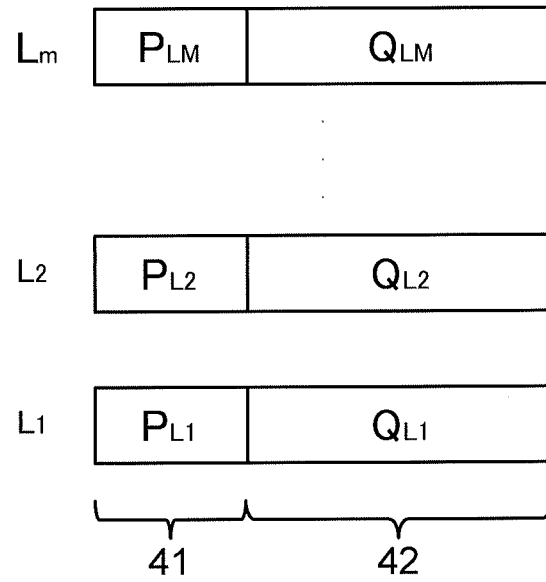


FIG.17

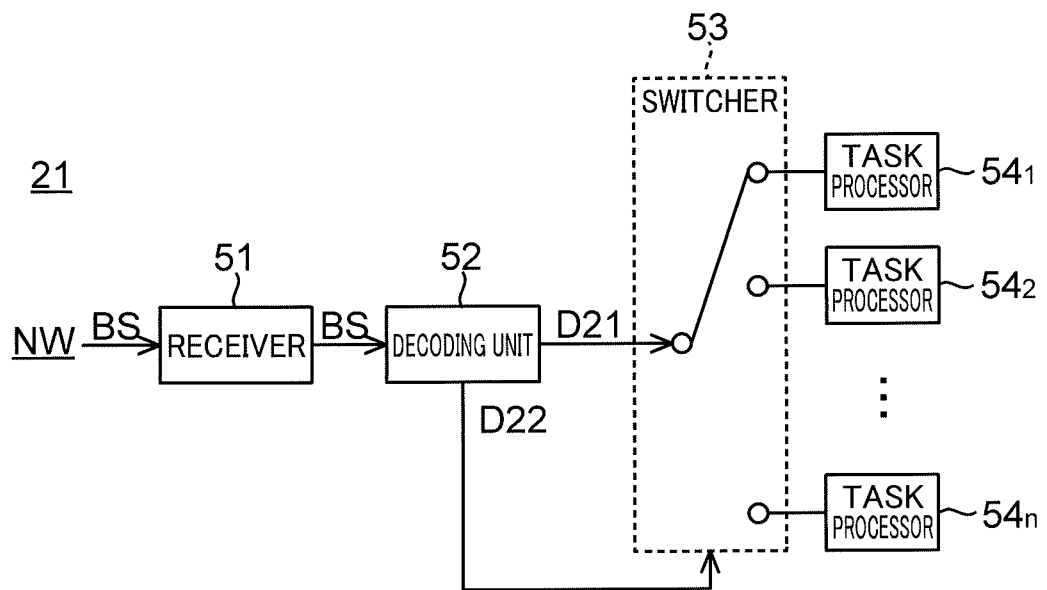


FIG.18

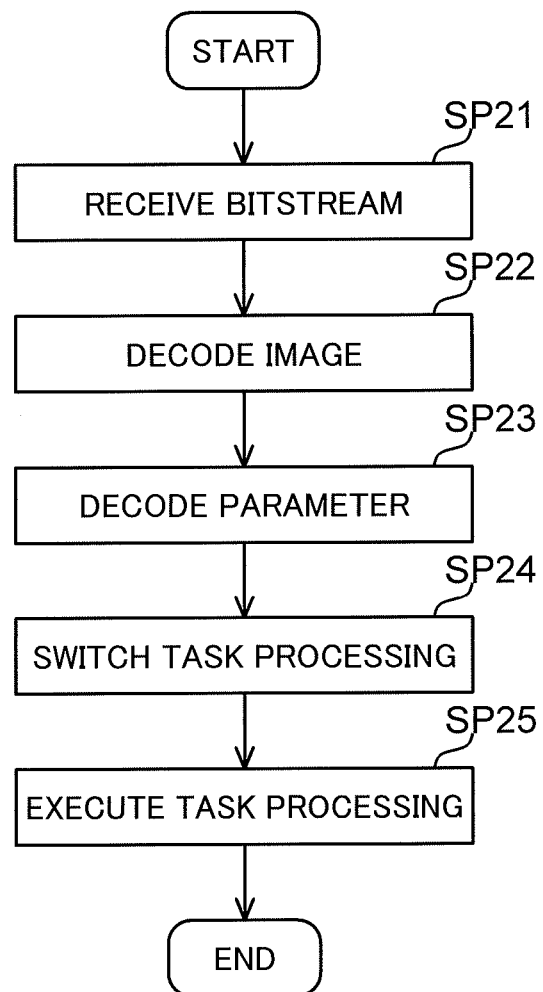


FIG.19

Hex COLOR CODE	RGM COLOR CODE	DEPTH OF GRAY
#000000	(0,0,0)	BLACK
#333333	(51,51,51)	VERY DARK GRAY
#666666	(102,102,102)	DARK GRAY
#999999	(153,153,153)	GRAY
#CCCCCC	(204,204,204)	LIGHT GRAY
#FFFFFF	(255,255,255)	WHITE

FIG.20

Hex COLOR CODE	DEPTH OF GRAY	TEMPERATURE
#000000	BLACK	300K
#333333	VERY DARK GRAY	310K
#666666	DARK GRAY	320K
#999999	GRAY	330K
#CCCCCC	LIGHT GRAY	340K
#FFFFFF	WHITE	350K

FIG.22

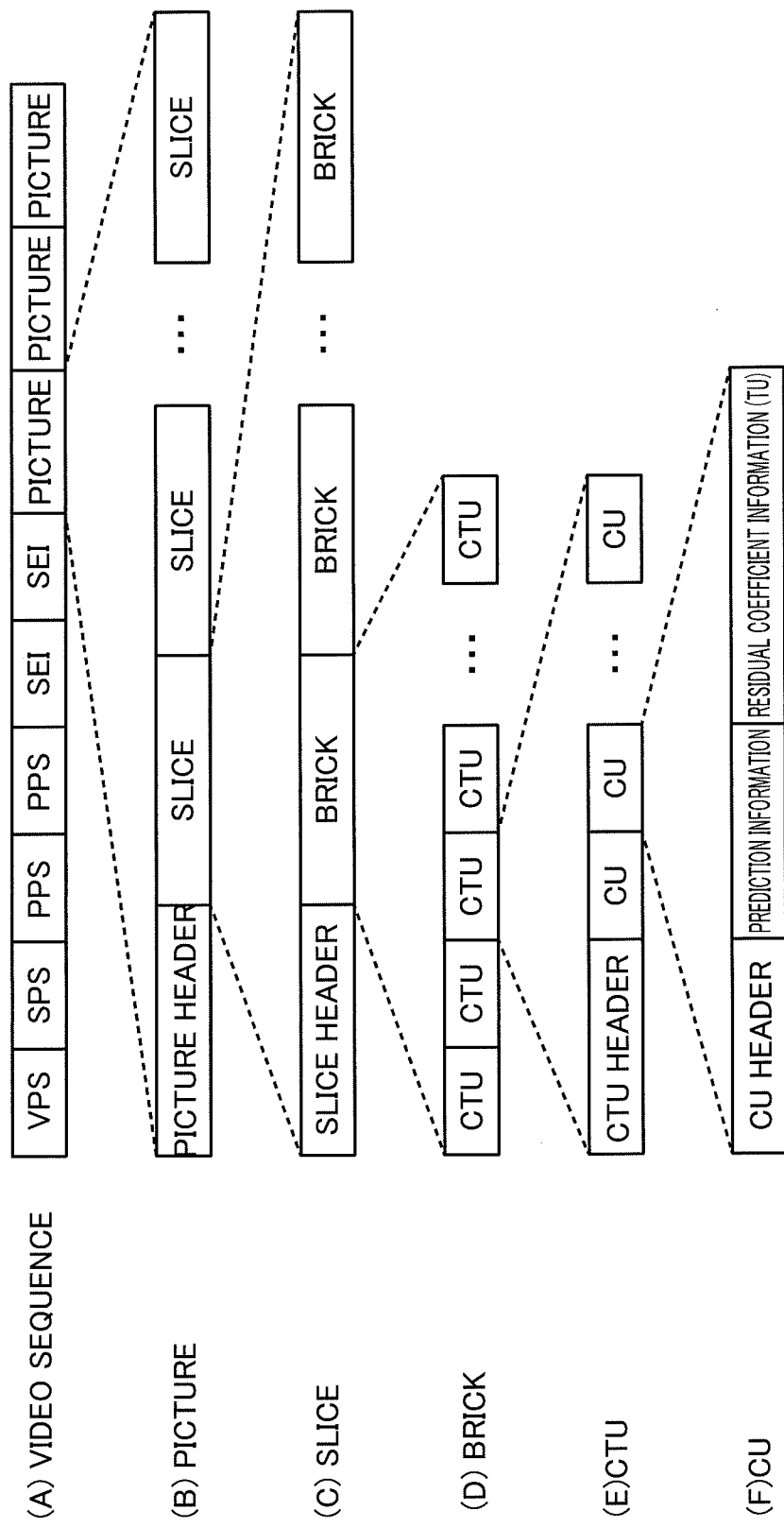


FIG. 23

