

FIG. 1

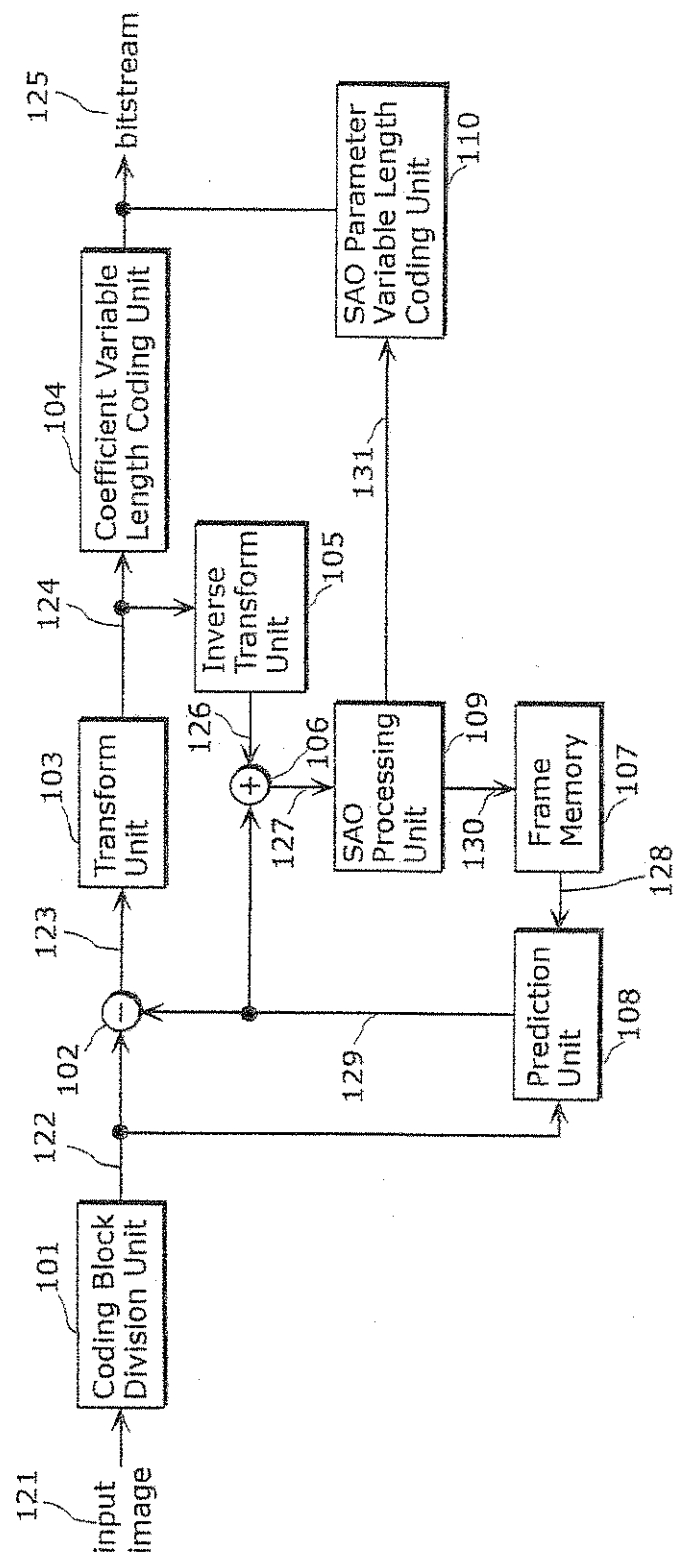


FIG. 2

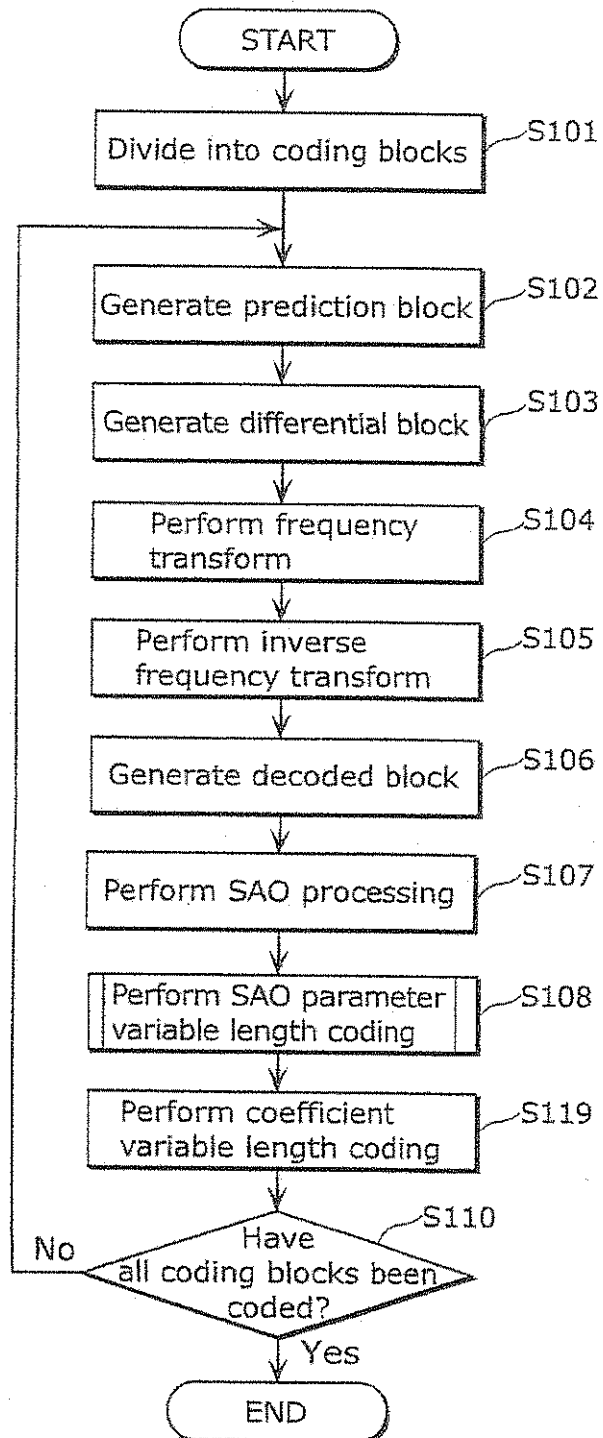


FIG. 3

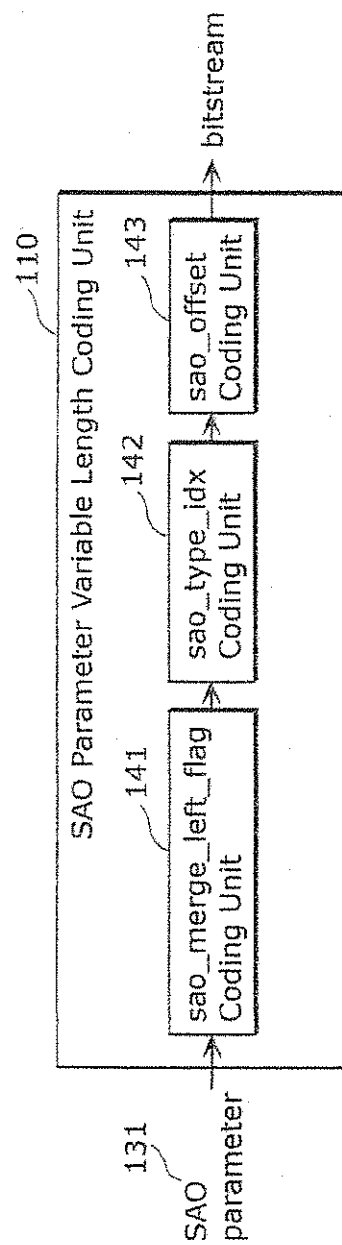


FIG. 4

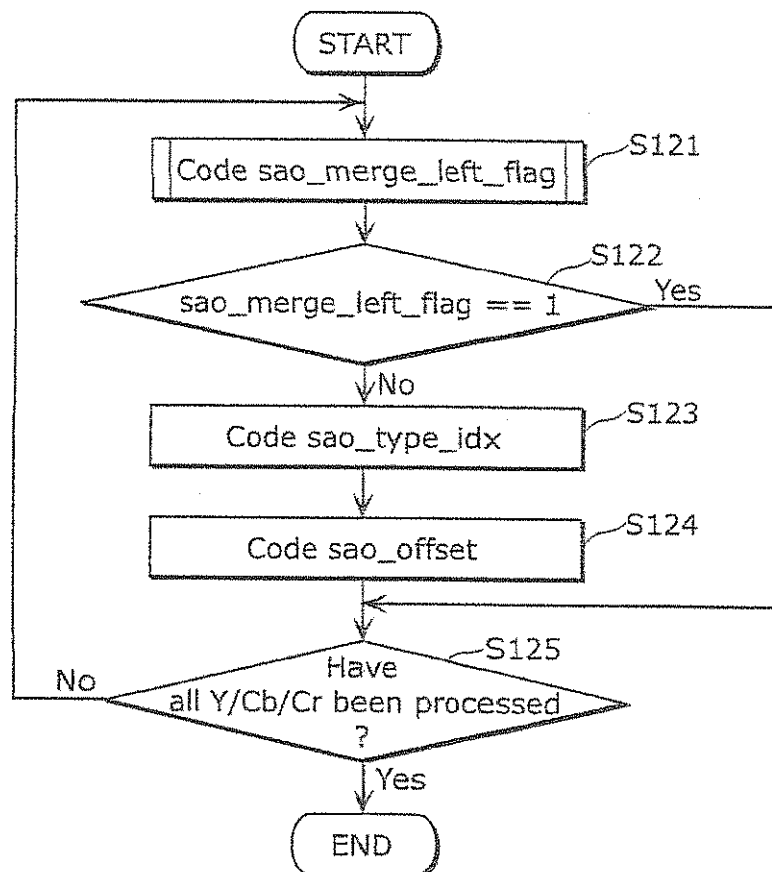


FIG. 5

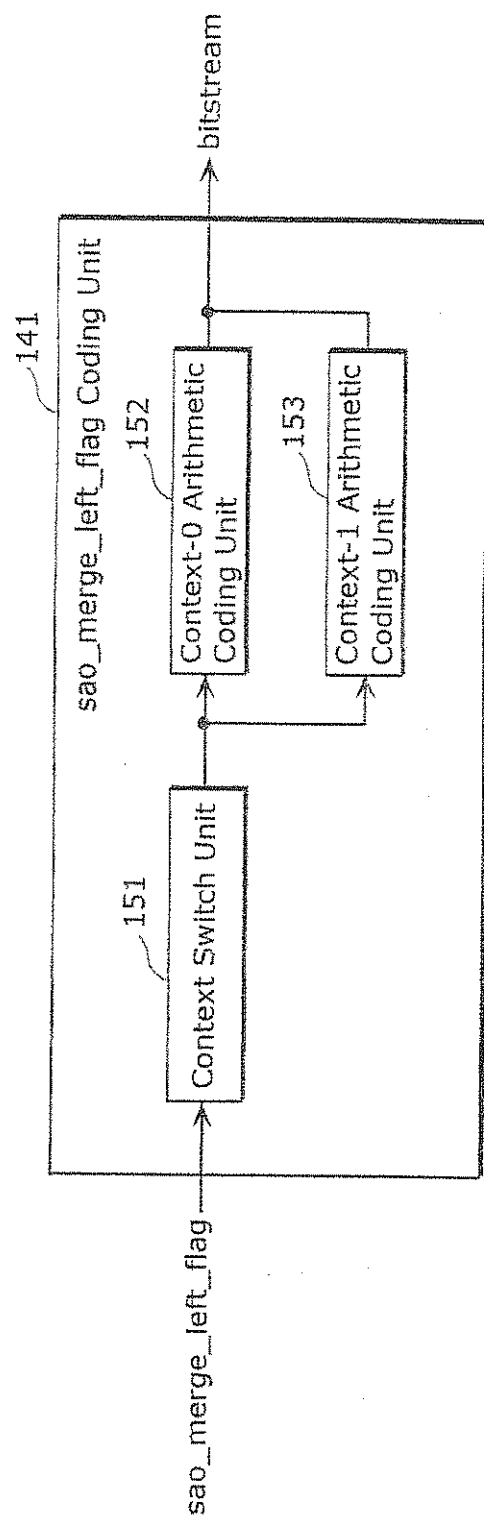


FIG. 6

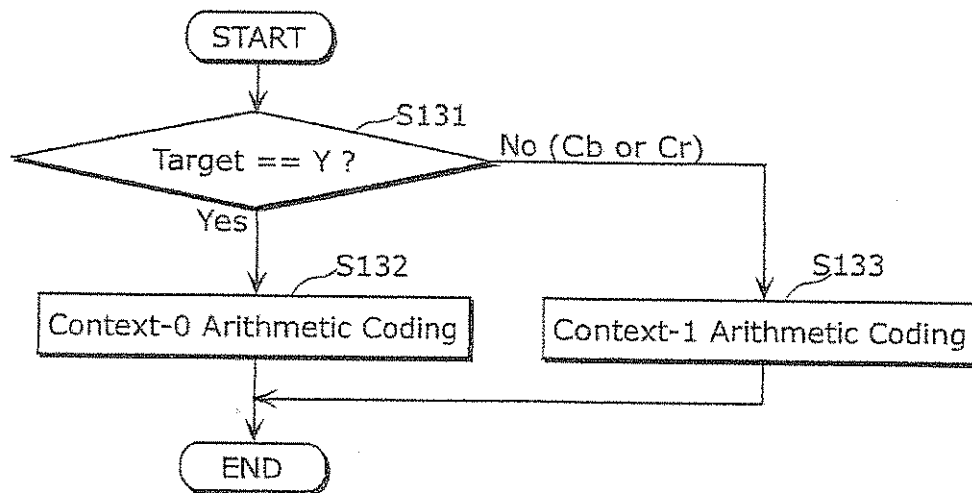


FIG. 7

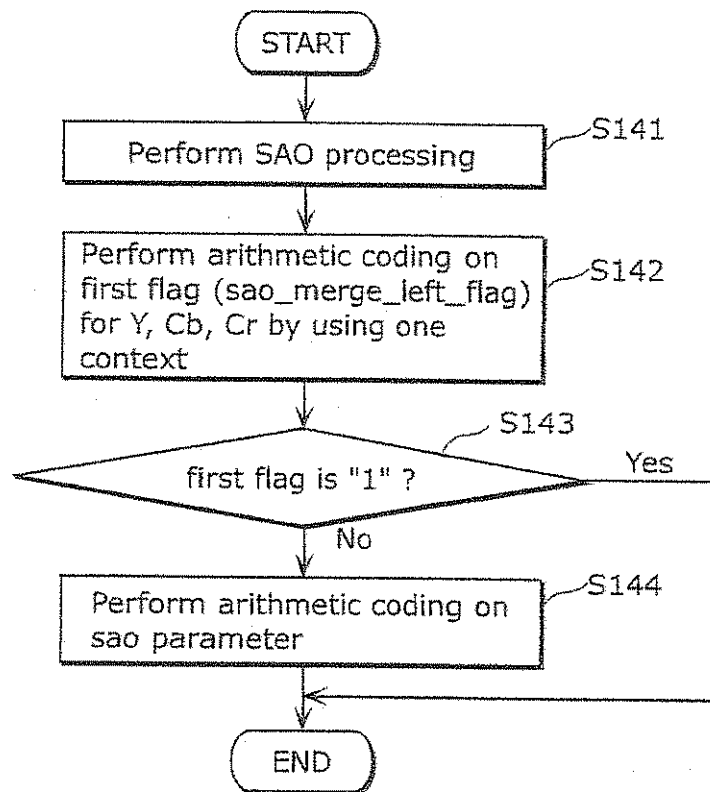


FIG. 8

	Main										HE10																	
	AI						RA				LB				AI						RA				LB			
	Y		Cb		Cr		Y	Cb	Cr	Y	Cb	Cr	Y	Cb	Cr	Y	Cb	Cr	Y	Cb	Cr	Y	Cb	Cr	Y	Cb	Cr	
	Y	Cb	Cr	Y	Cb	Cr	Y	Cb	Cr	Y	Cb	Cr	Y	Cb	Cr	Y	Cb	Cr	Y	Cb	Cr	Y	Cb	Cr	Y	Cb	Cr	
Embodiment 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	0.1	
Variation 1	0.0	0.0	0.0	0.0	-0.1	-0.2	-0.3	-0.3	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	0.1	

FIG. 9

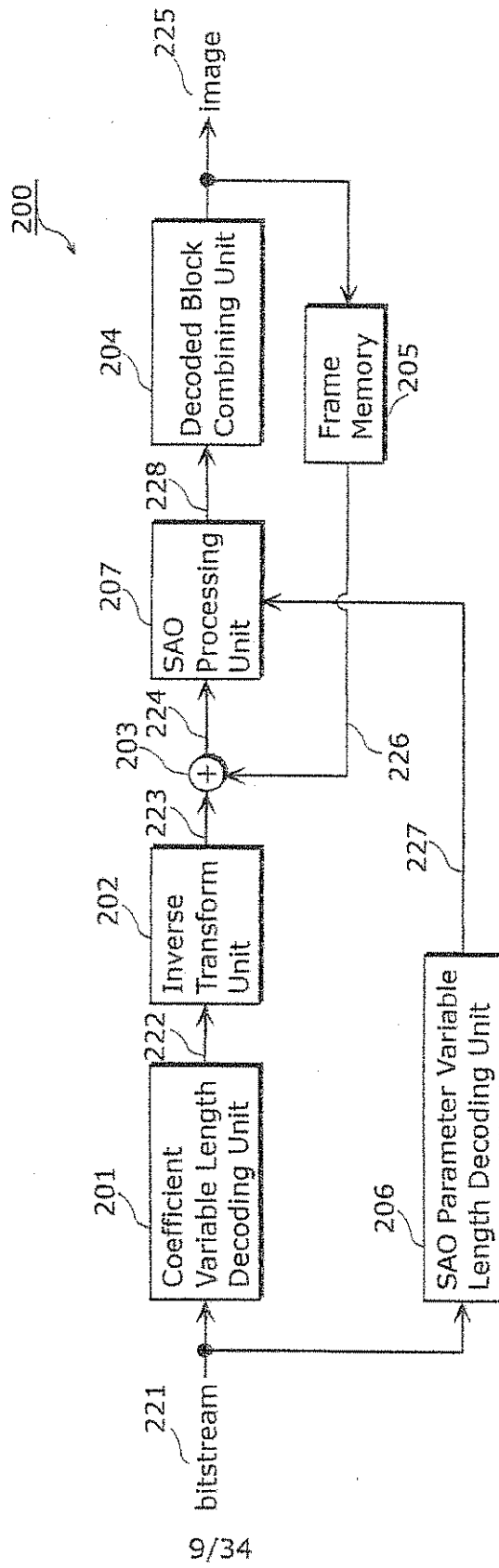


FIG. 10

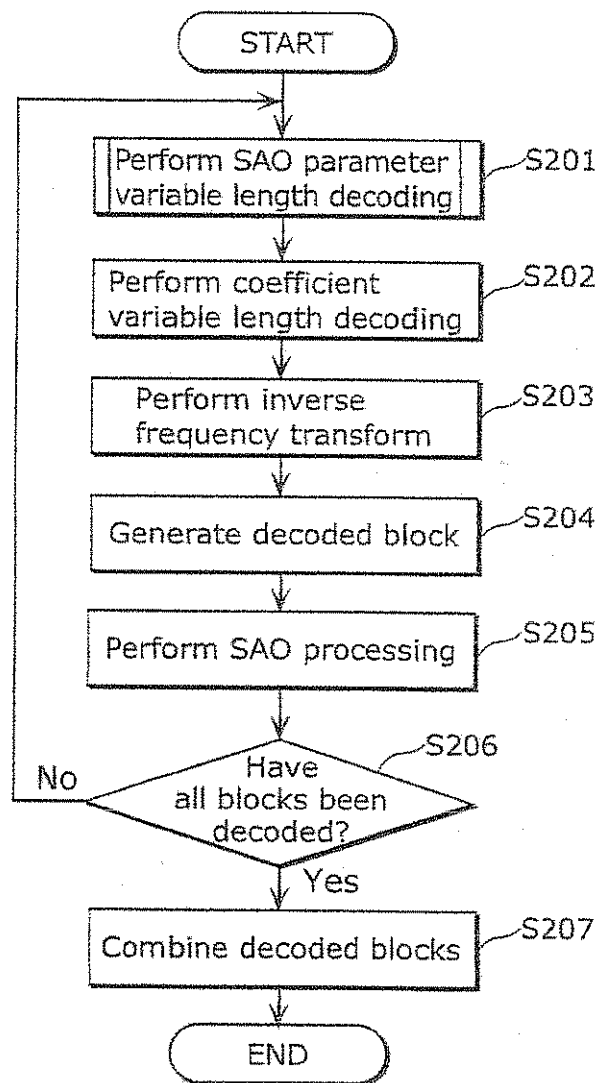


FIG. 11

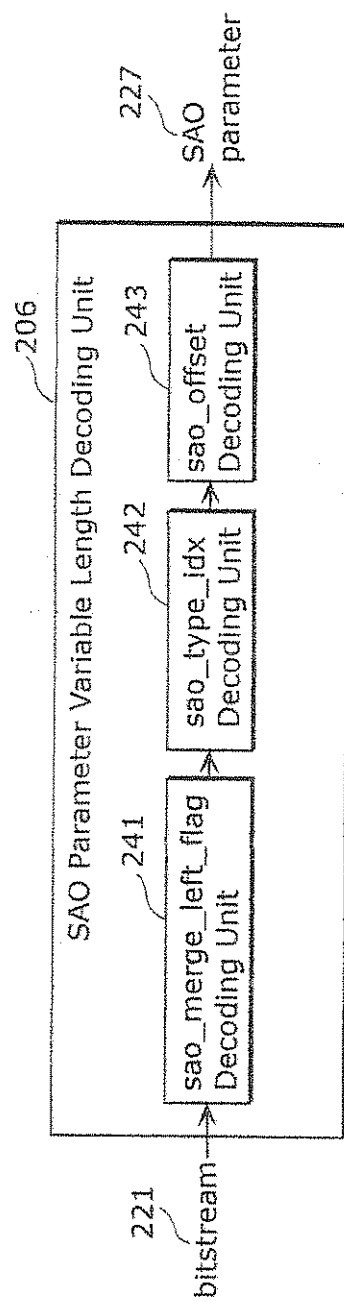


FIG. 12

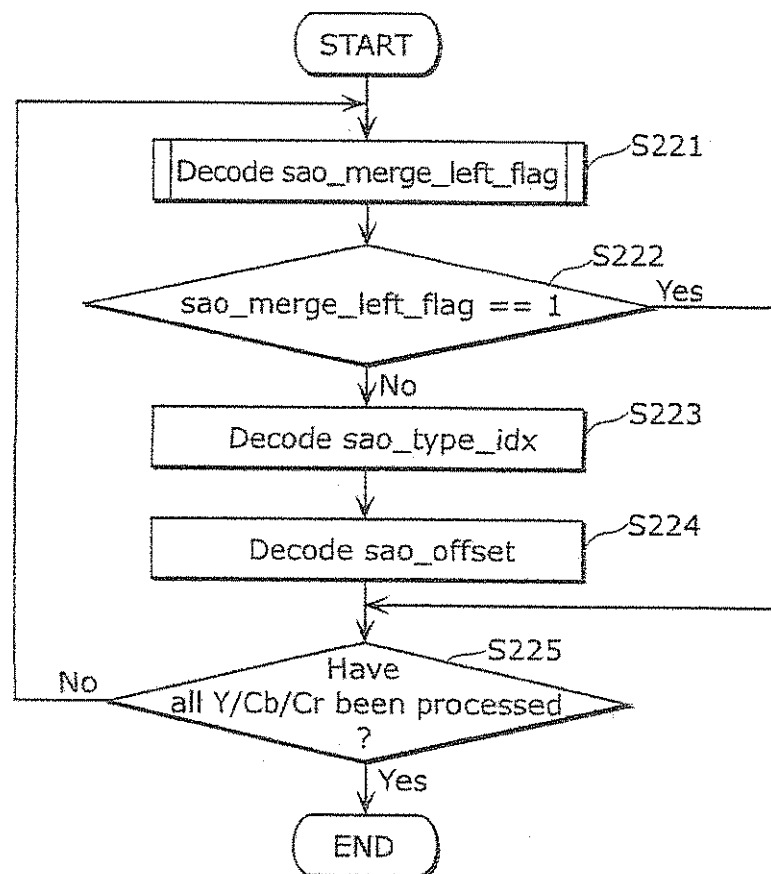


FIG. 13

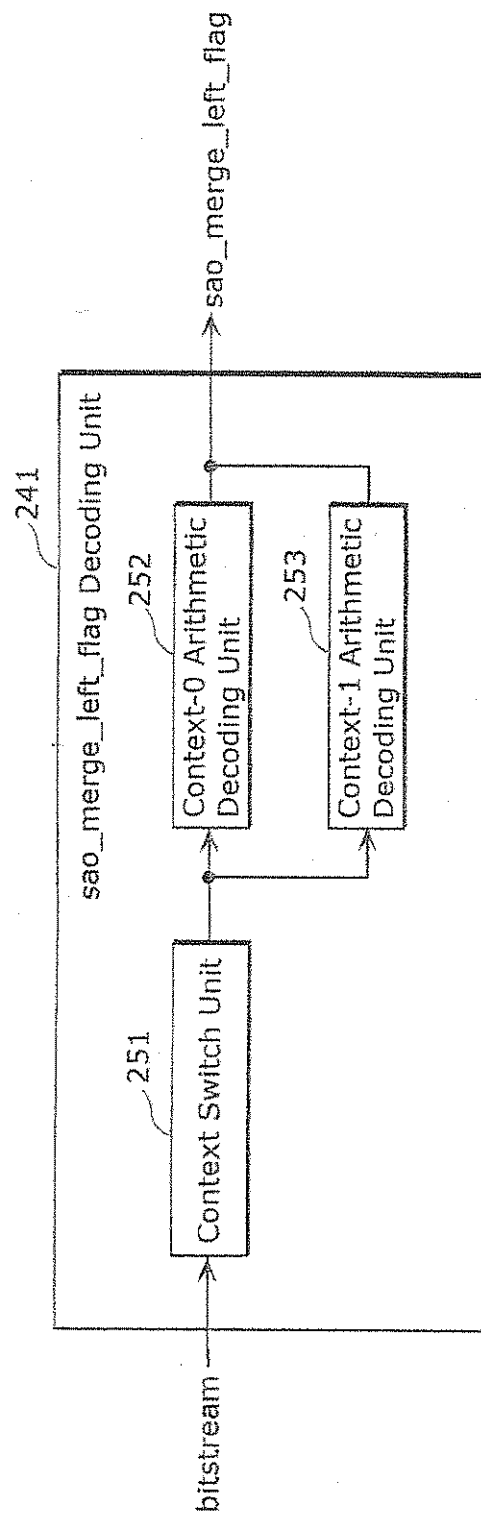


FIG. 14

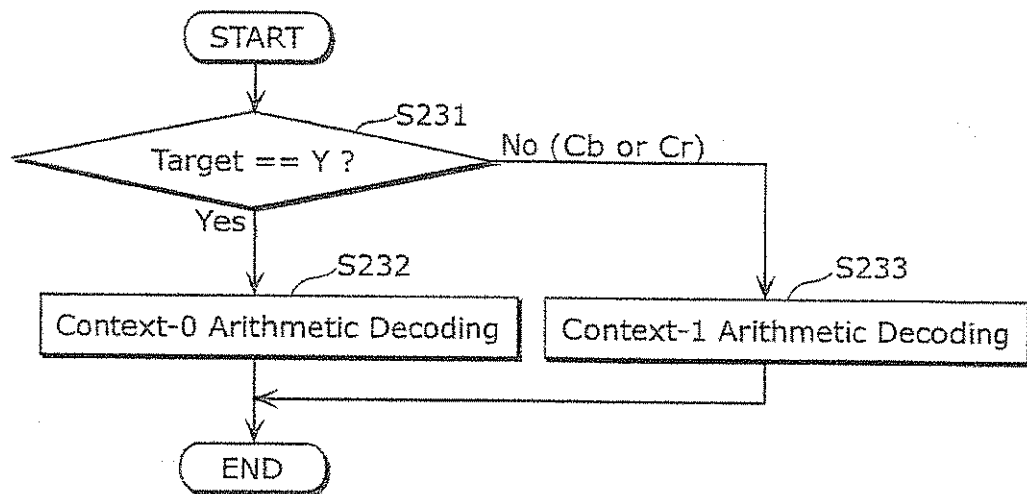


FIG. 15

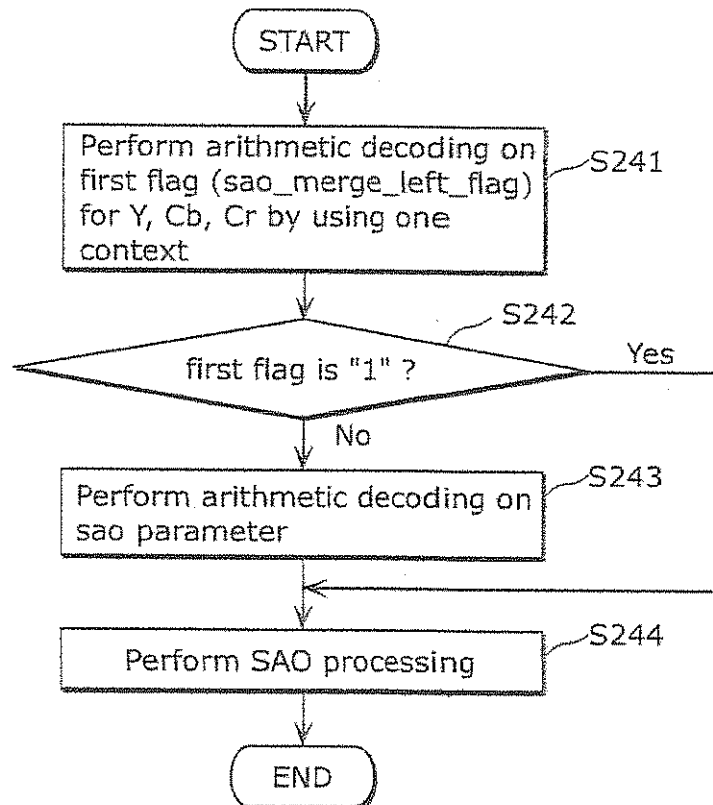


FIG. 16

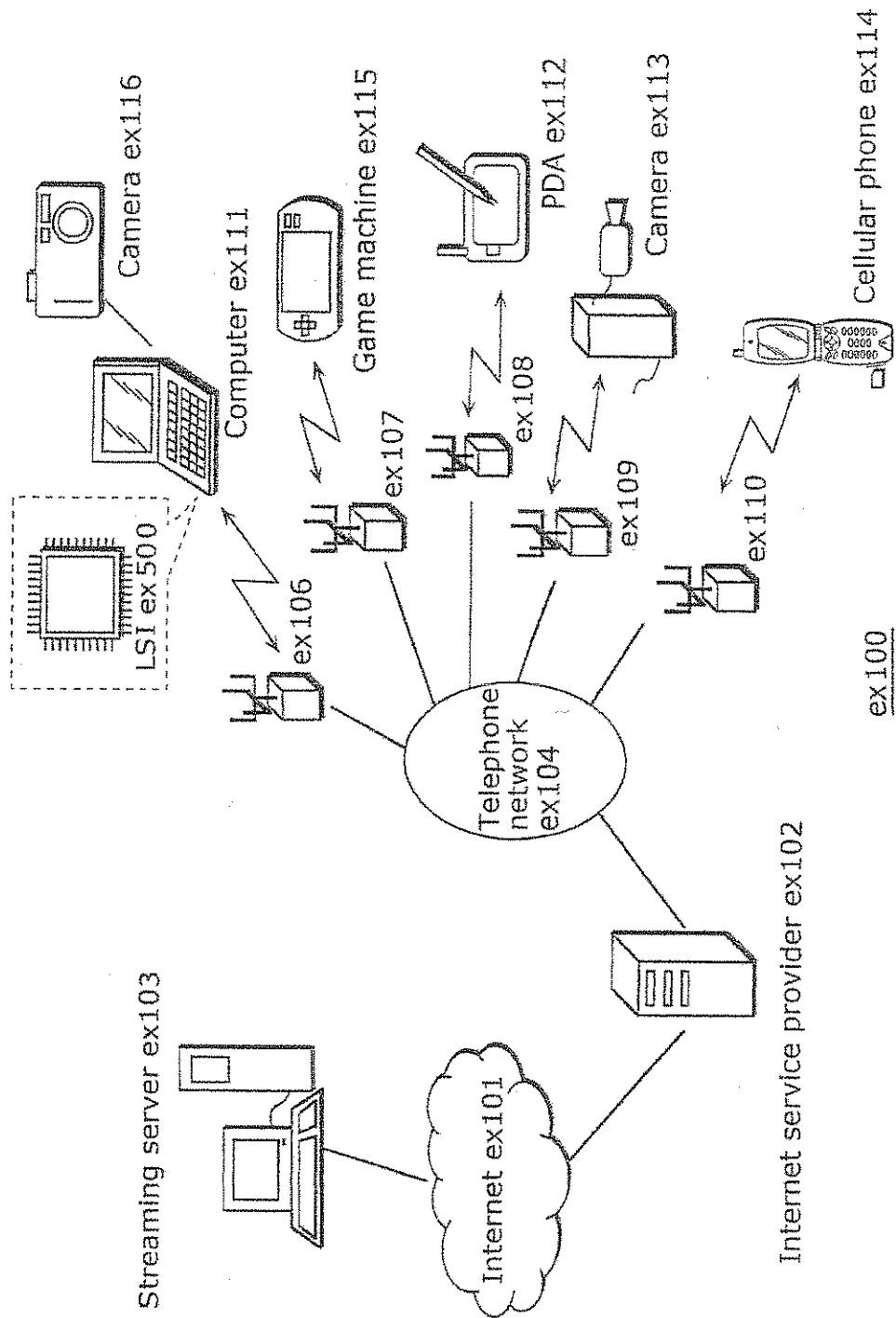


Figure 1 is a schematic diagram of a broadcast system. The system includes a Broadcast station ex201, which is connected via Cable ex203 to a house. Inside the house, a system ex200 is shown, containing a Monitor ex219, a Set-Top Box (STB) ex217, a Television ex300, and a Reader and recorder ex218. A Satellite dish ex215 and a Memory card ex216 are also depicted. A Broadcast satellite ex202 is shown in orbit, receiving signals from the station and transmitting them to various receivers: a Monitor ex213, a Reproduction apparatus ex212, a Cellular phone ex114, an Antenna ex204 (connected to a Car ex210 and a Car navigation system ex211), and another Antenna ex205.

FIG. 18

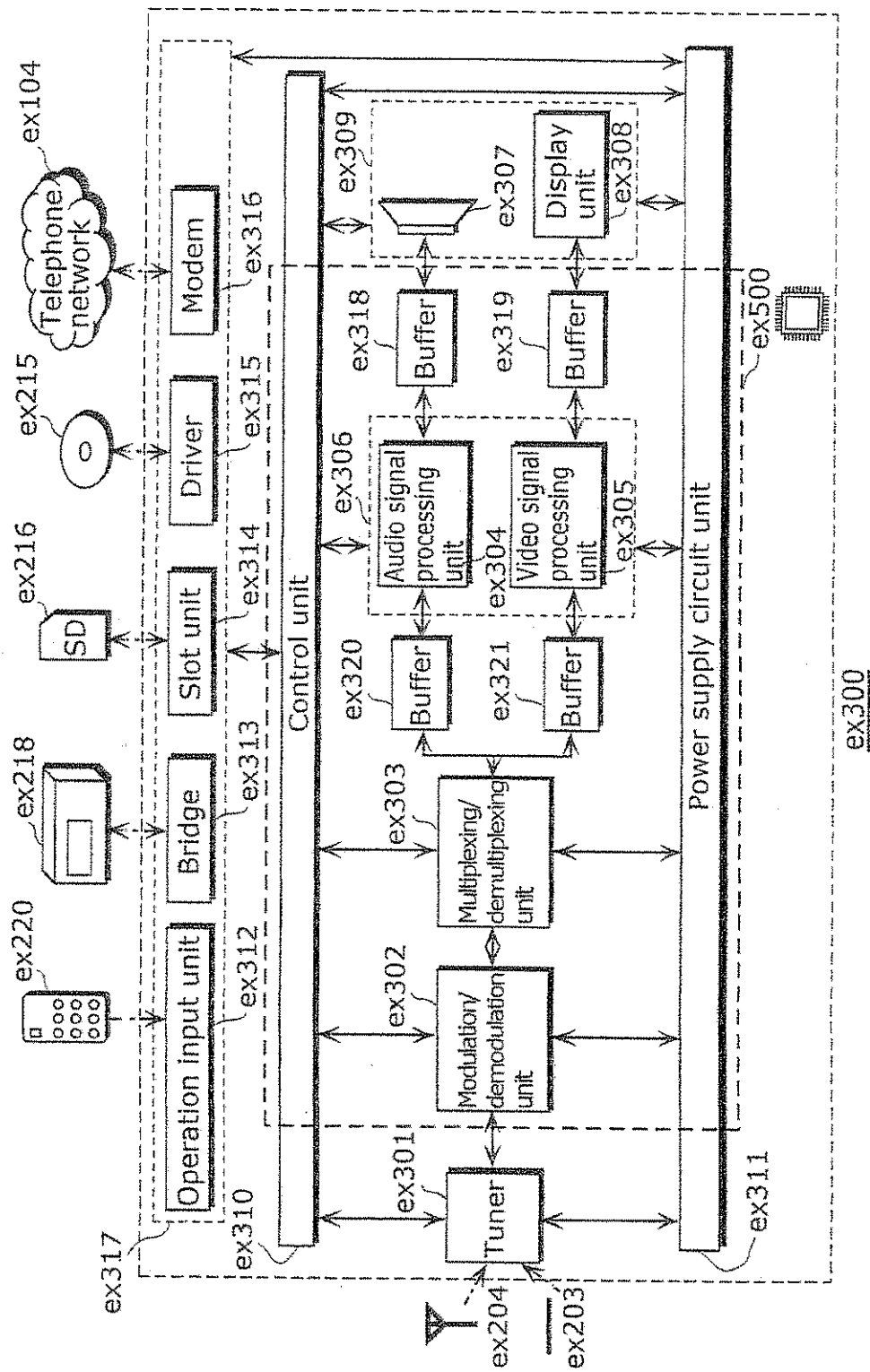
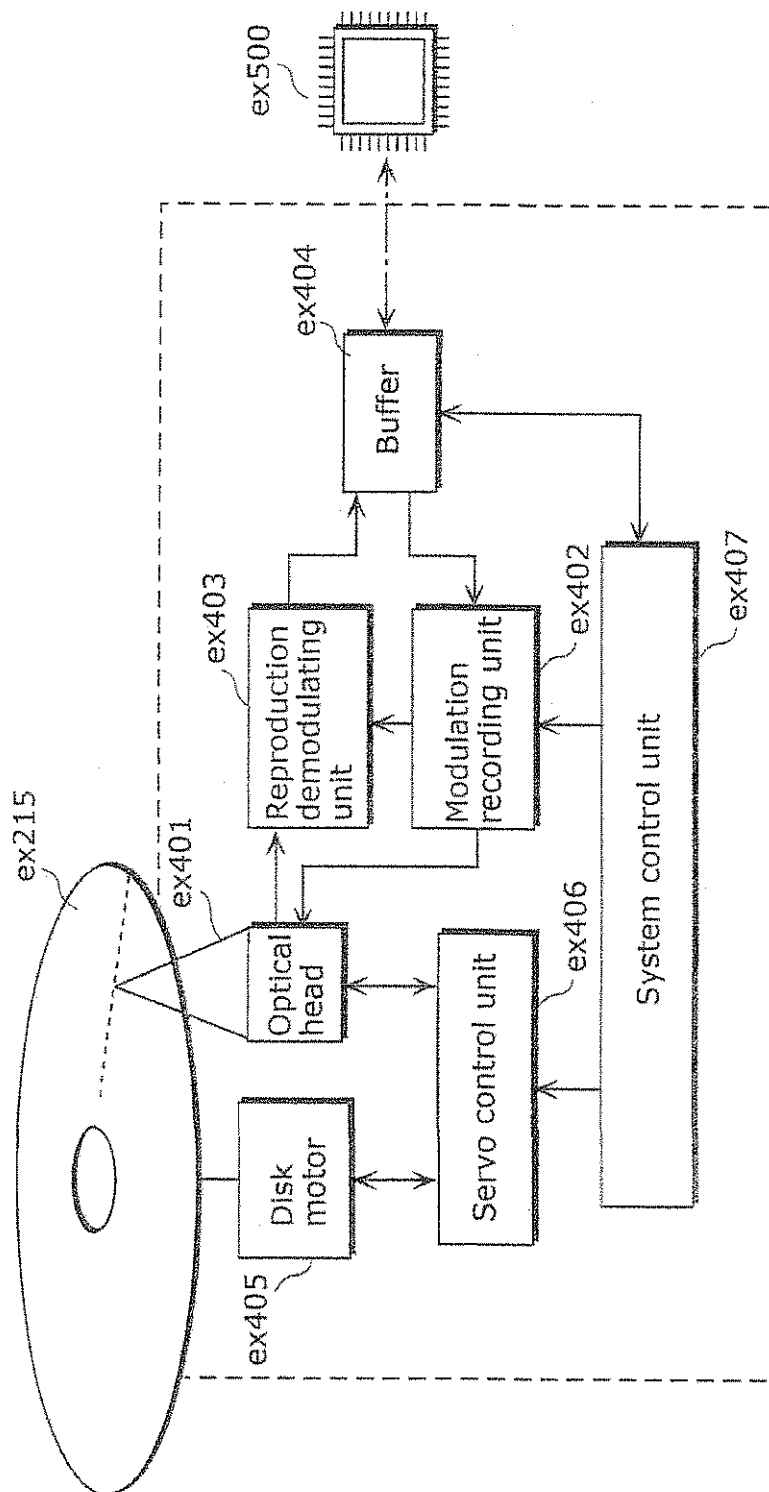


FIG. 19



ex400

FIG. 20

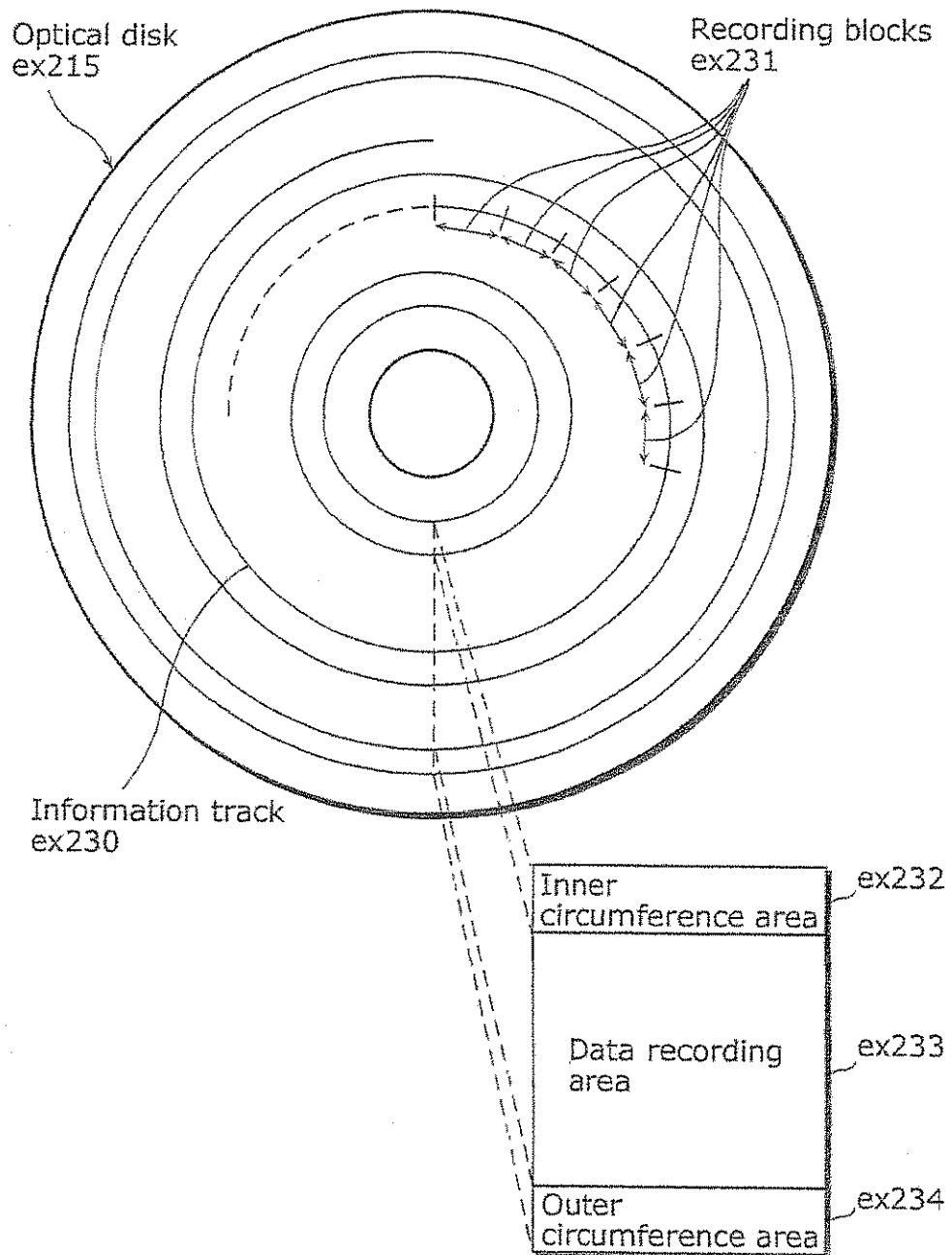


FIG. 21A

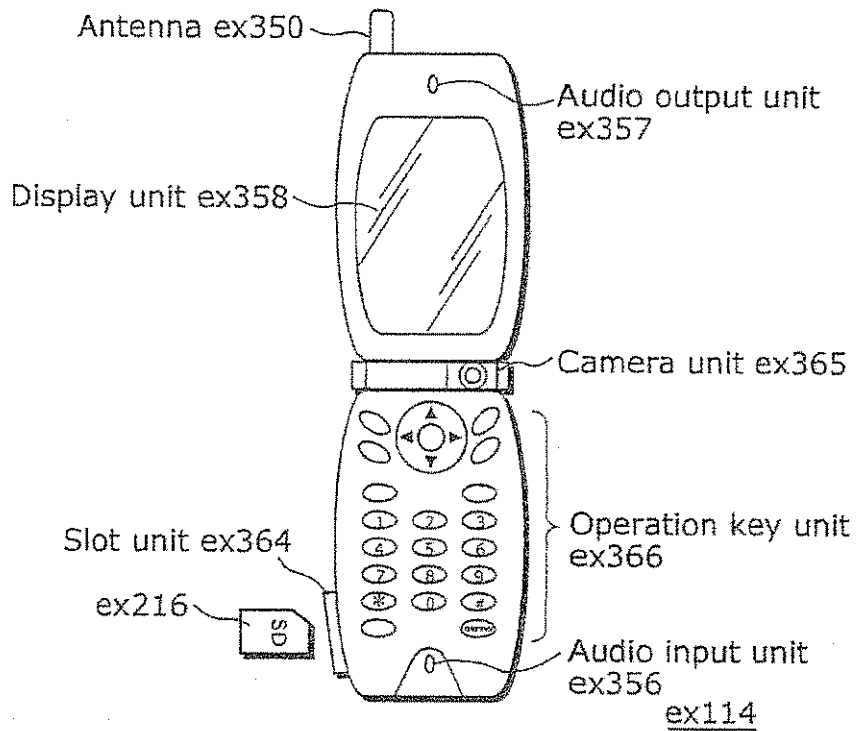


FIG. 21B

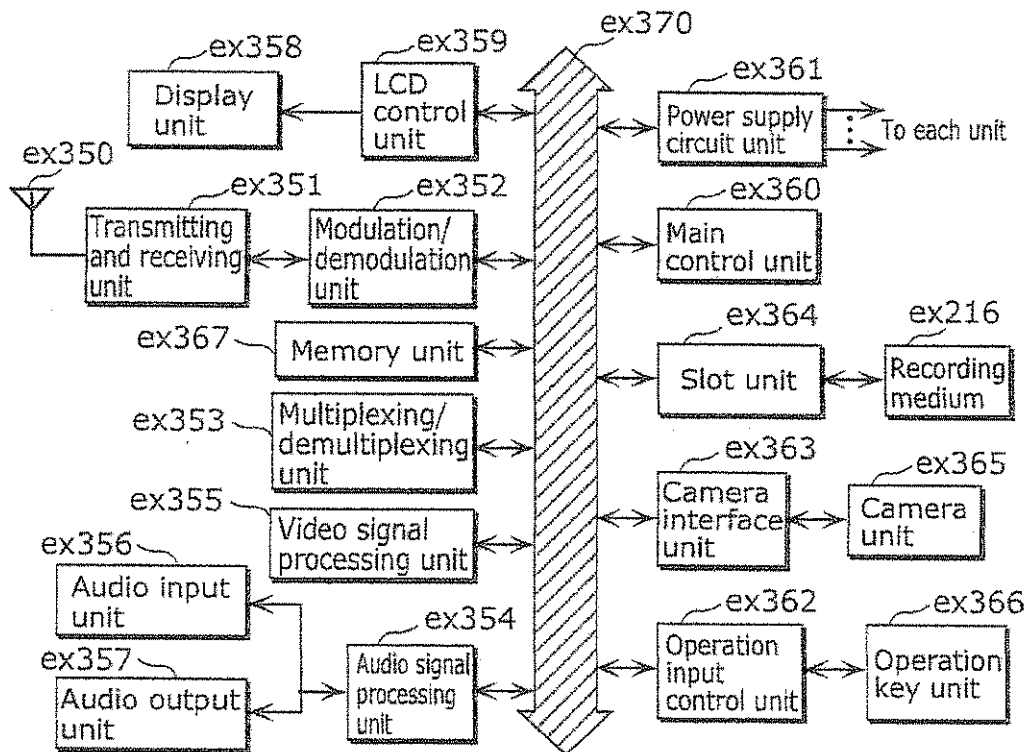


FIG. 22

Video stream (PID=0x1011, Primary video)
Audio stream (PID=0x1100)
Audio stream (PID=0x1101)
Presentation graphics stream (PID=0x1200)
Presentation graphics stream (PID=0x1201)
Interactive graphics stream (PID=0x1400)
Video stream (PID=0x1B00, Secondary video)
Video stream (PID=0x1B01, Secondary video)

FIG. 23

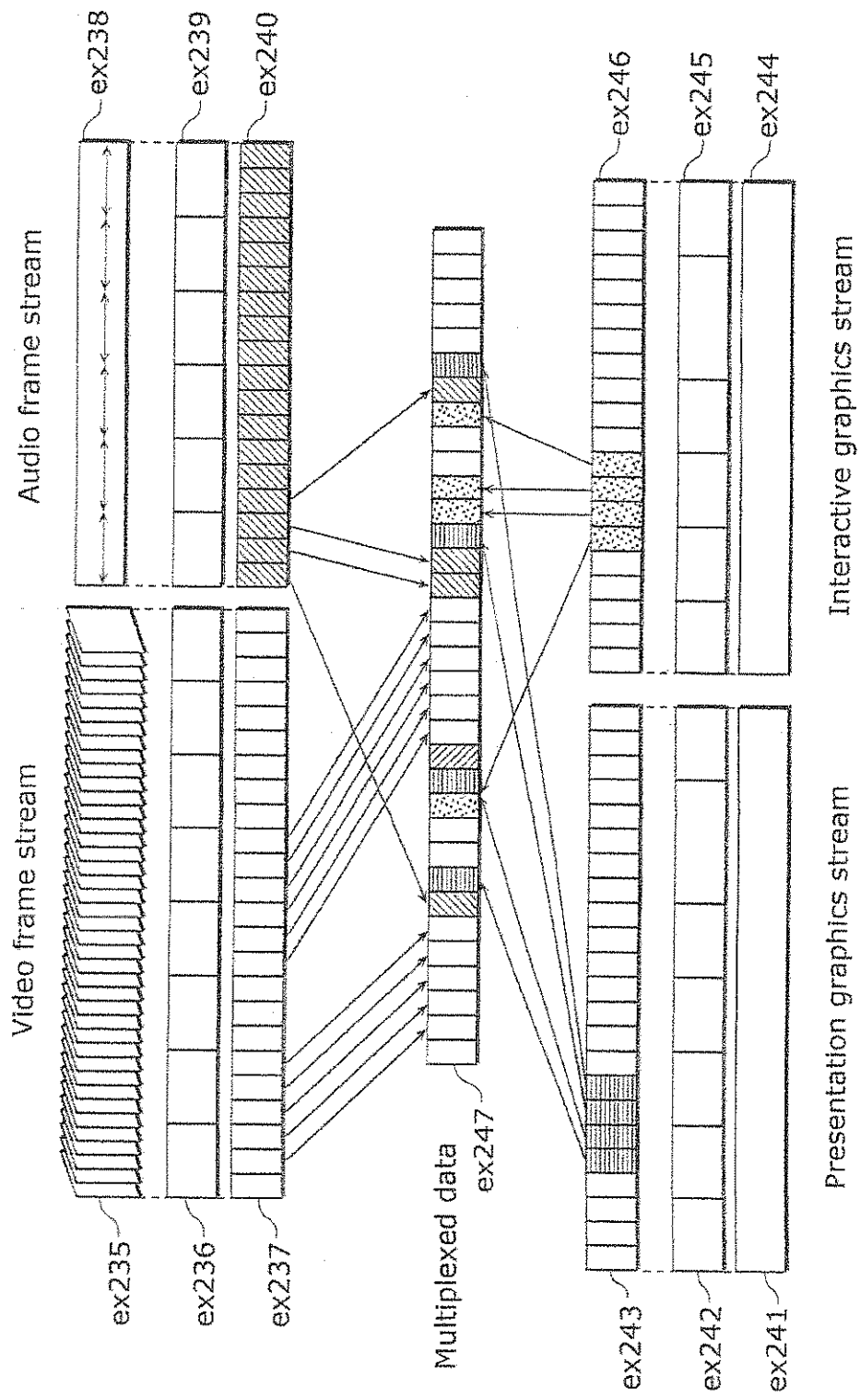


FIG. 24

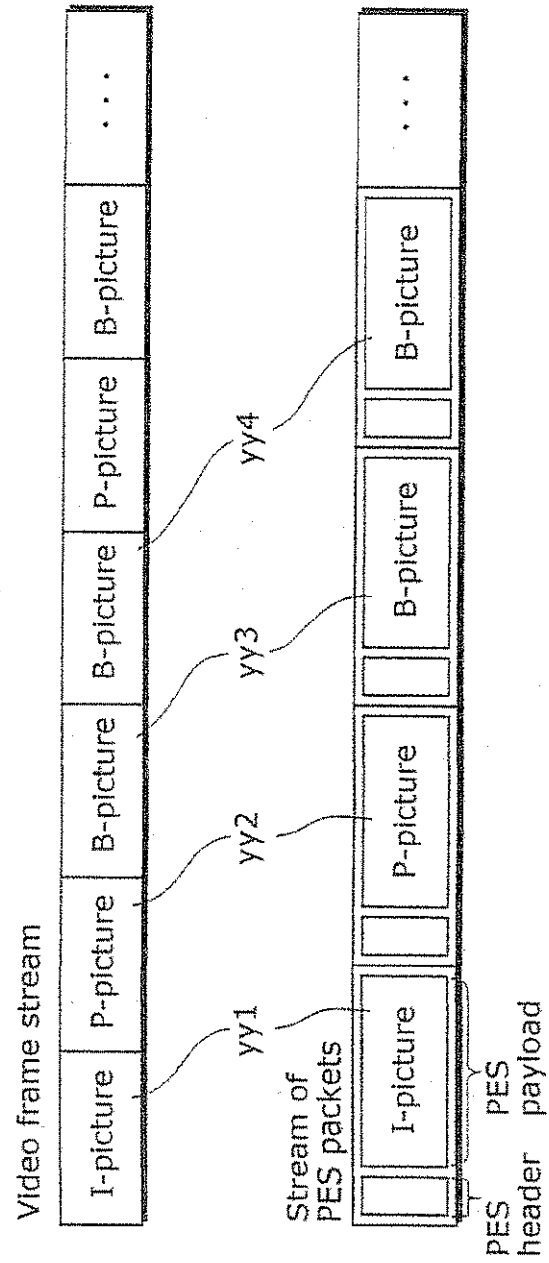
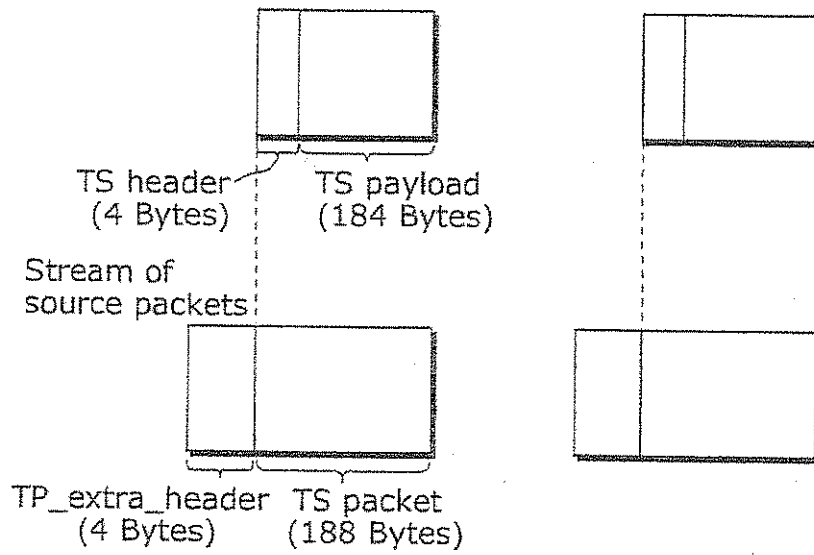


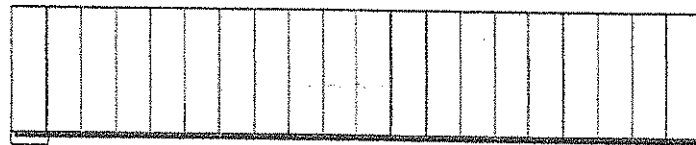
FIG. 25

Stream of TS packets



Multiplexed data

SPN 0 1 2 3 4 5 6 7 ...



Source packet

FIG. 26

Data structure of PMT

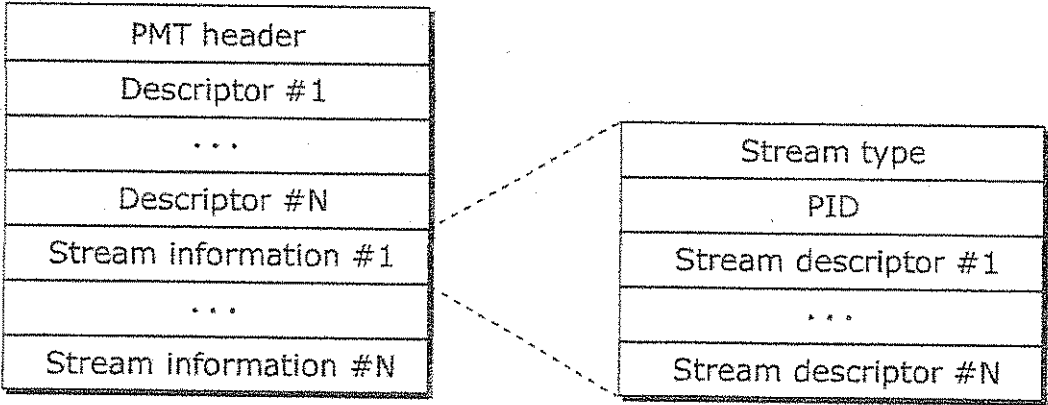


FIG. 27

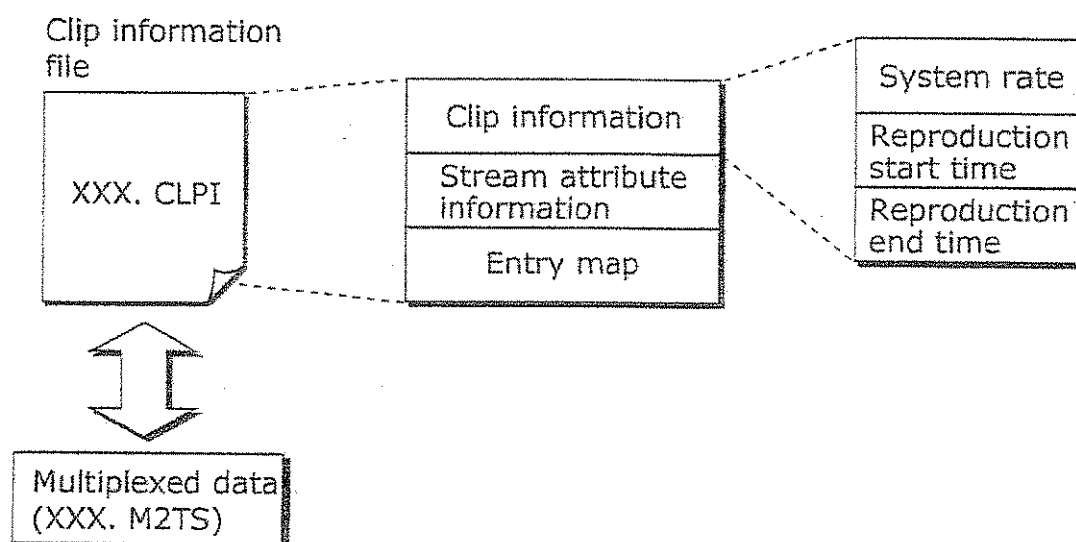


FIG. 28

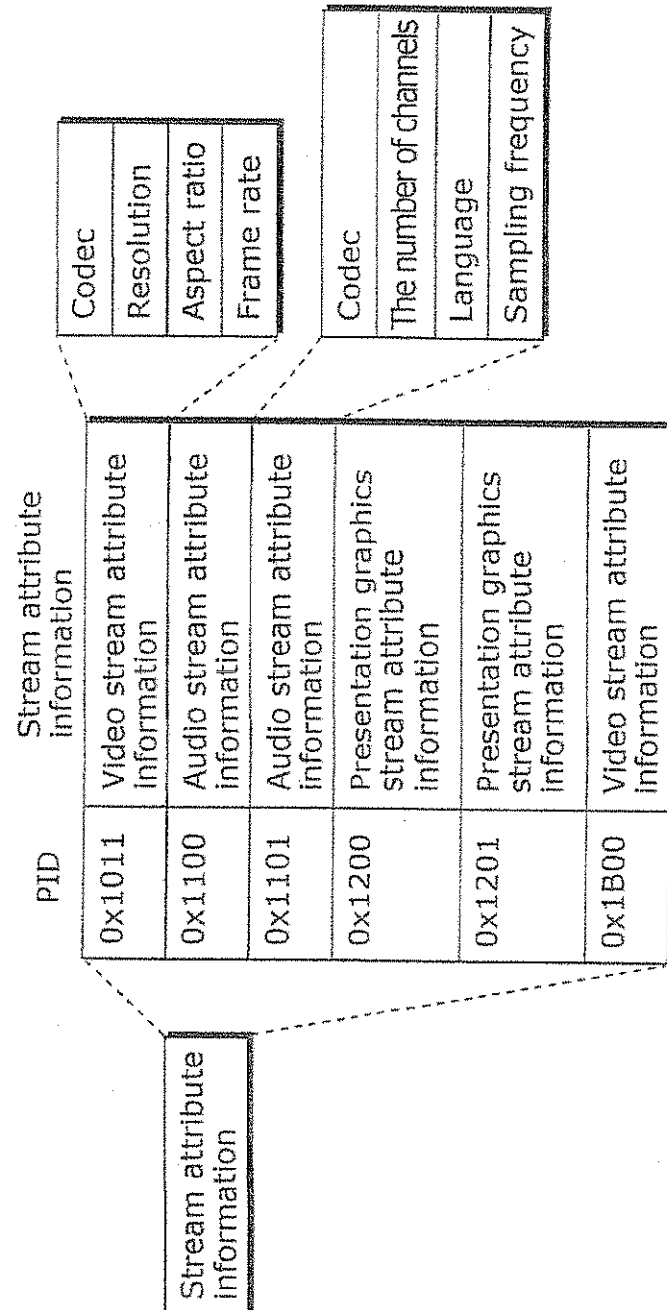


FIG. 29

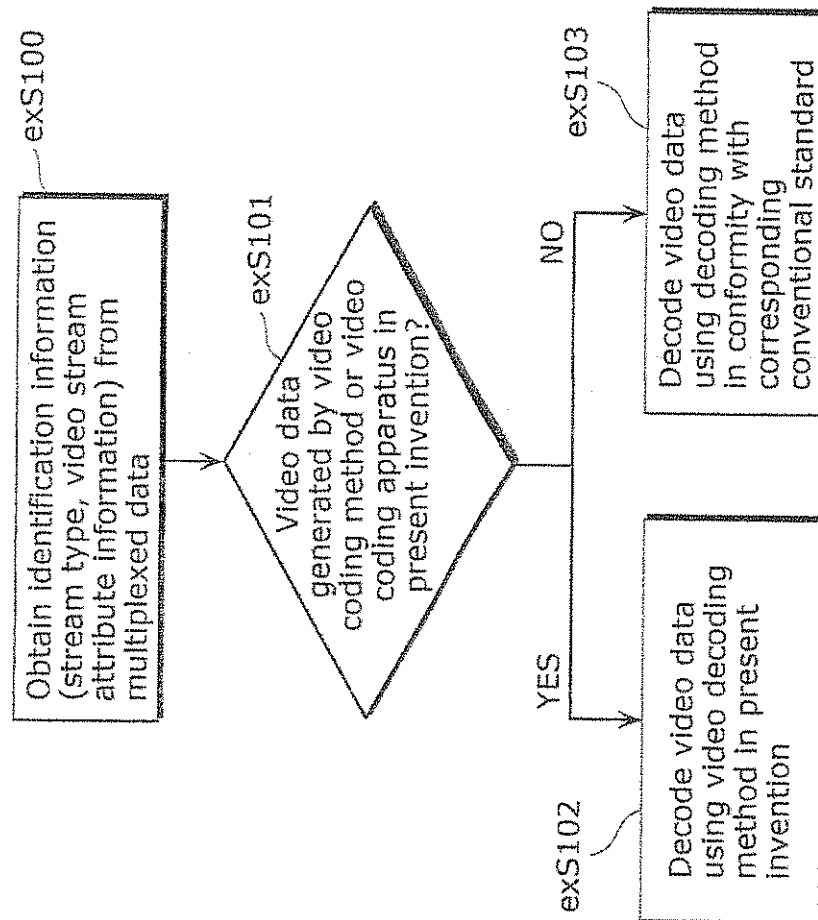


FIG. 30

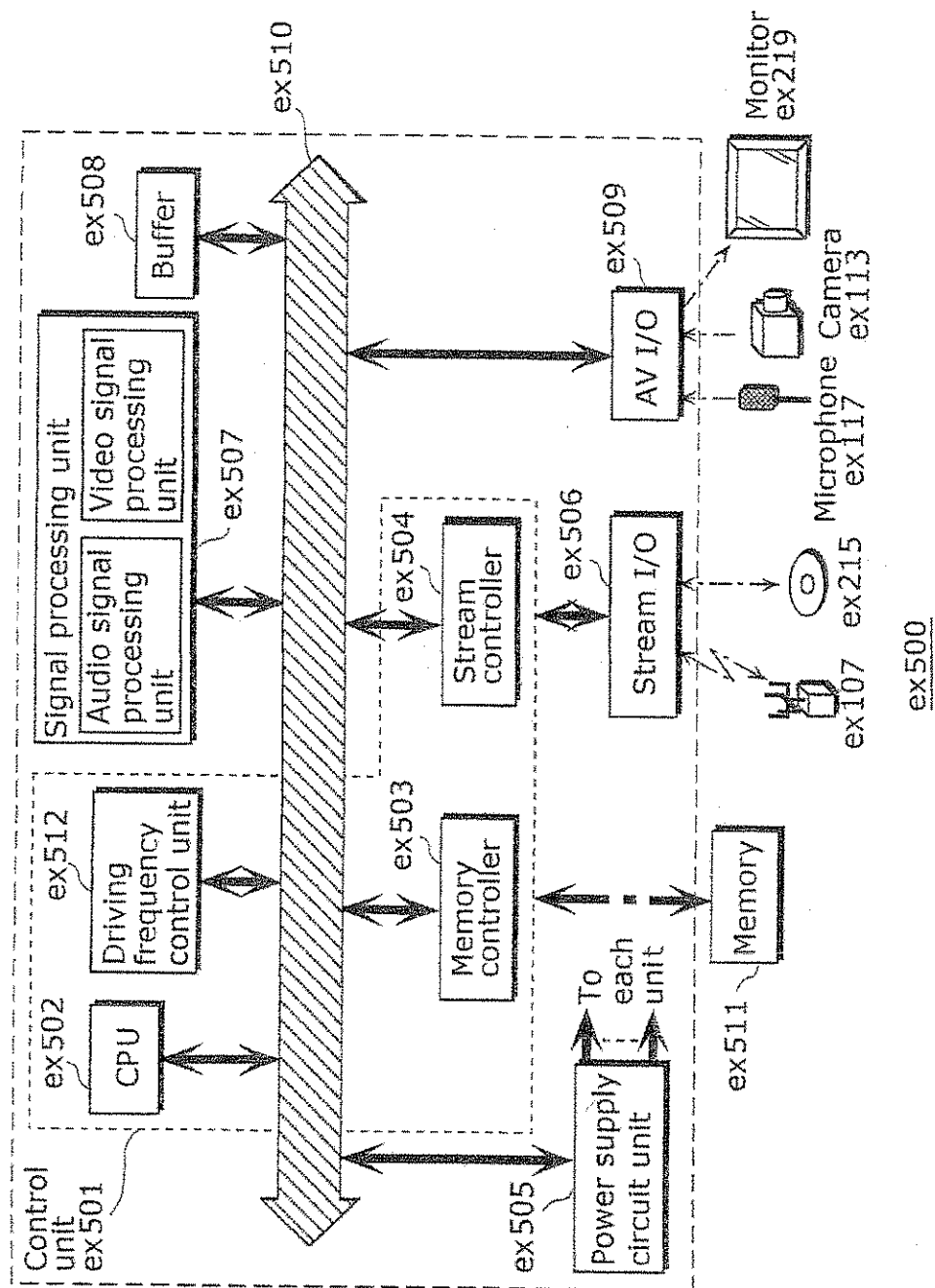


FIG. 31

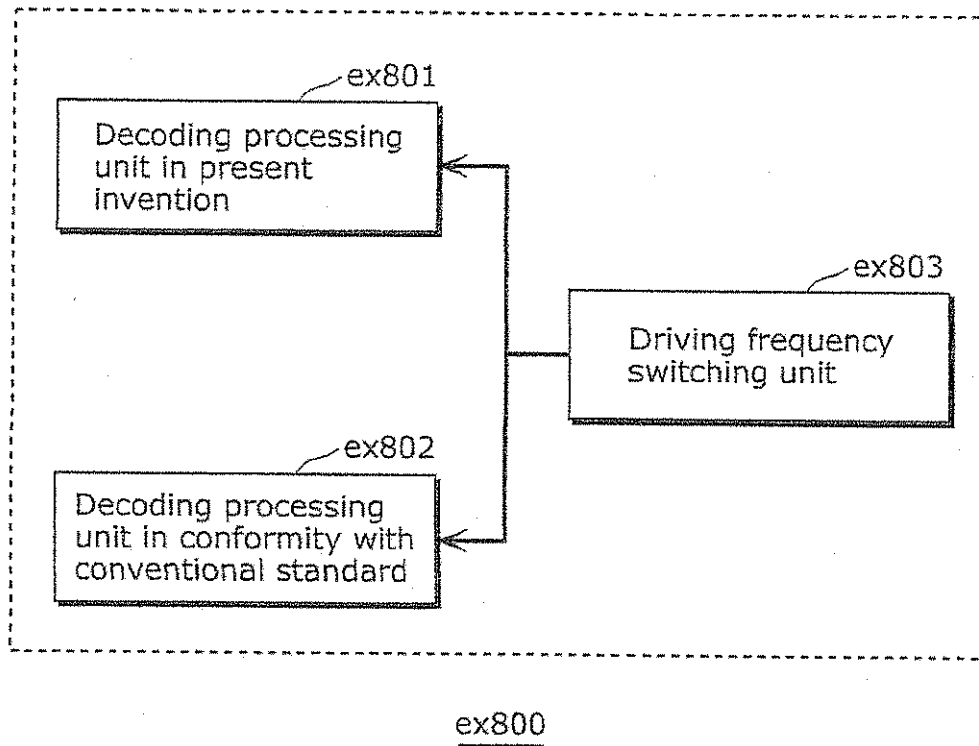


FIG. 32

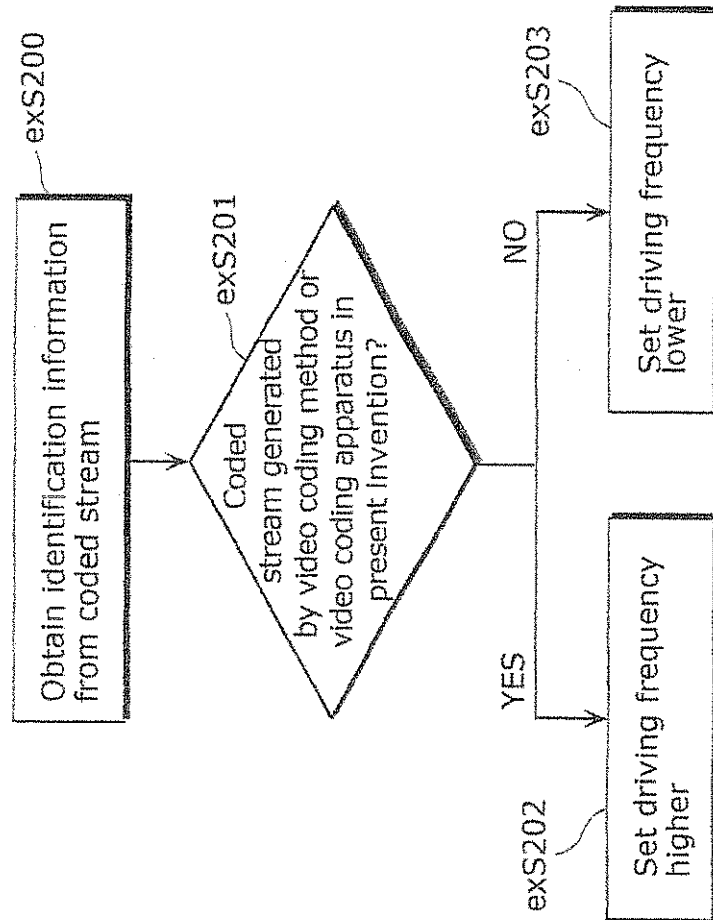


FIG. 33

Corresponding standard	Driving frequency
MPEG-4 AVC	500 MHz
MPEG-2	350 MHz
⋮	⋮

FIG. 34A

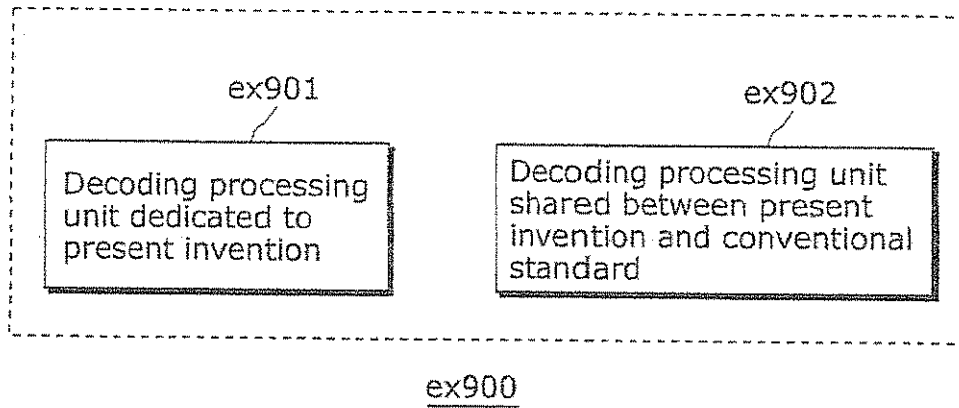


FIG. 34B

