

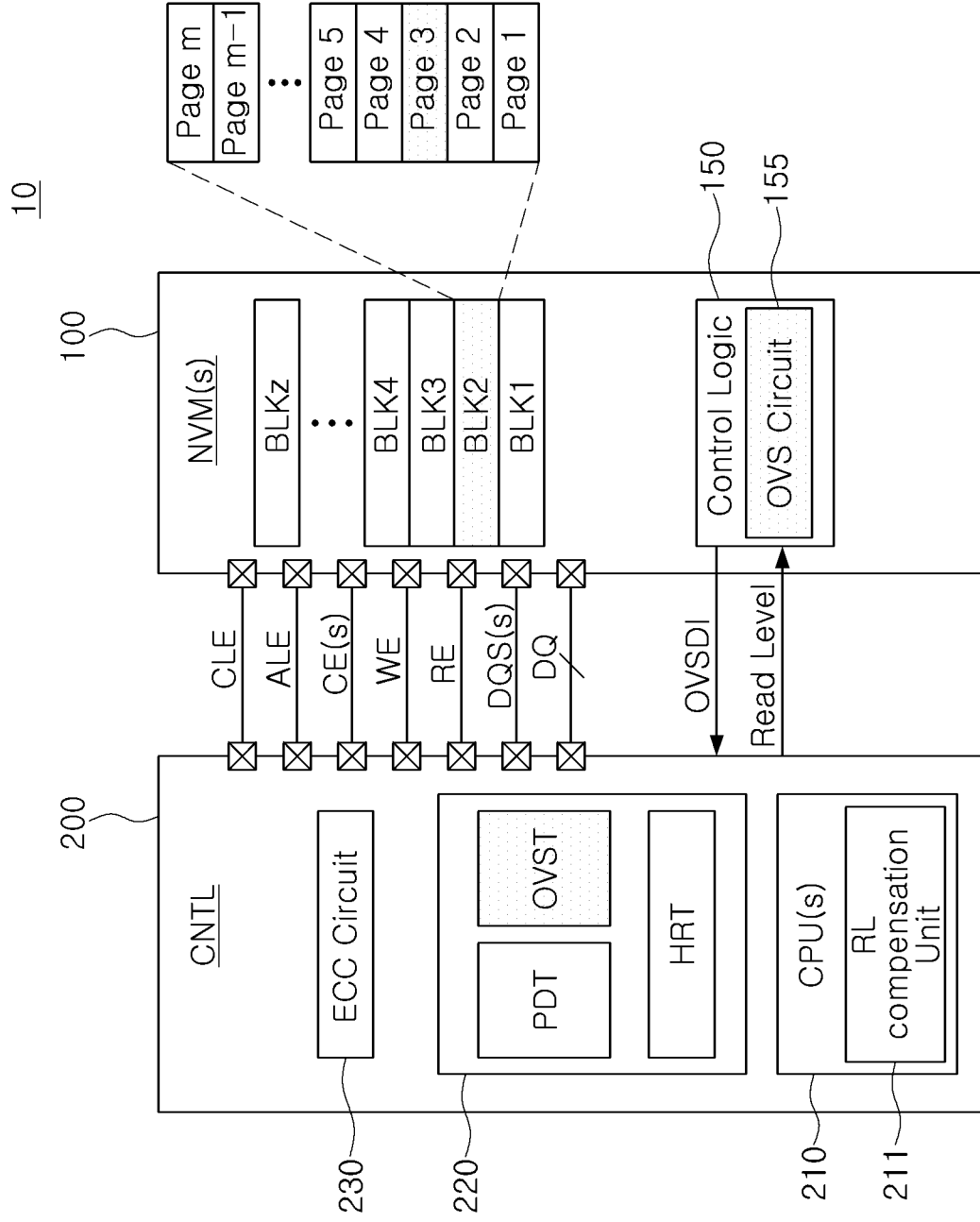


FIG. 1

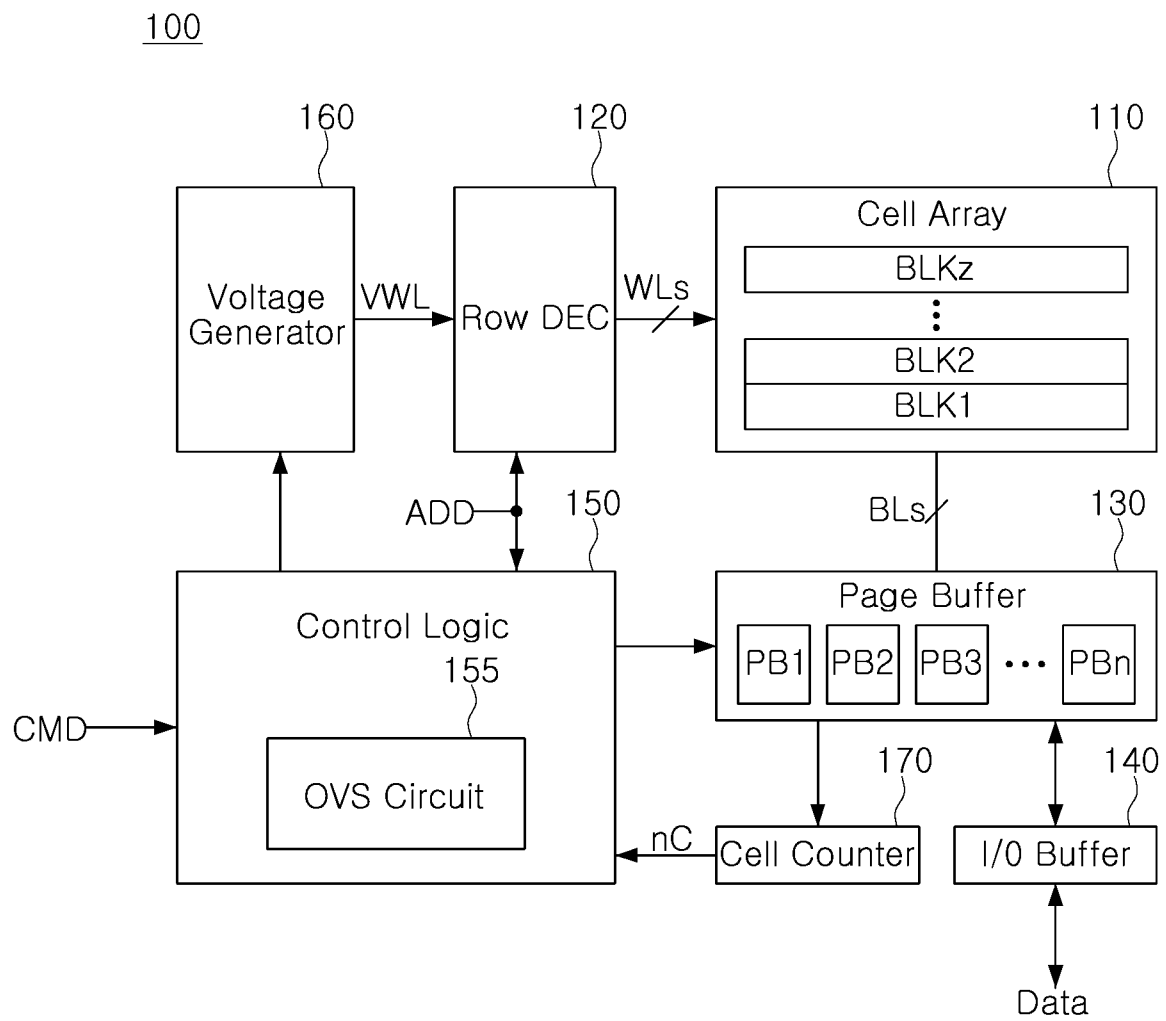


FIG. 2

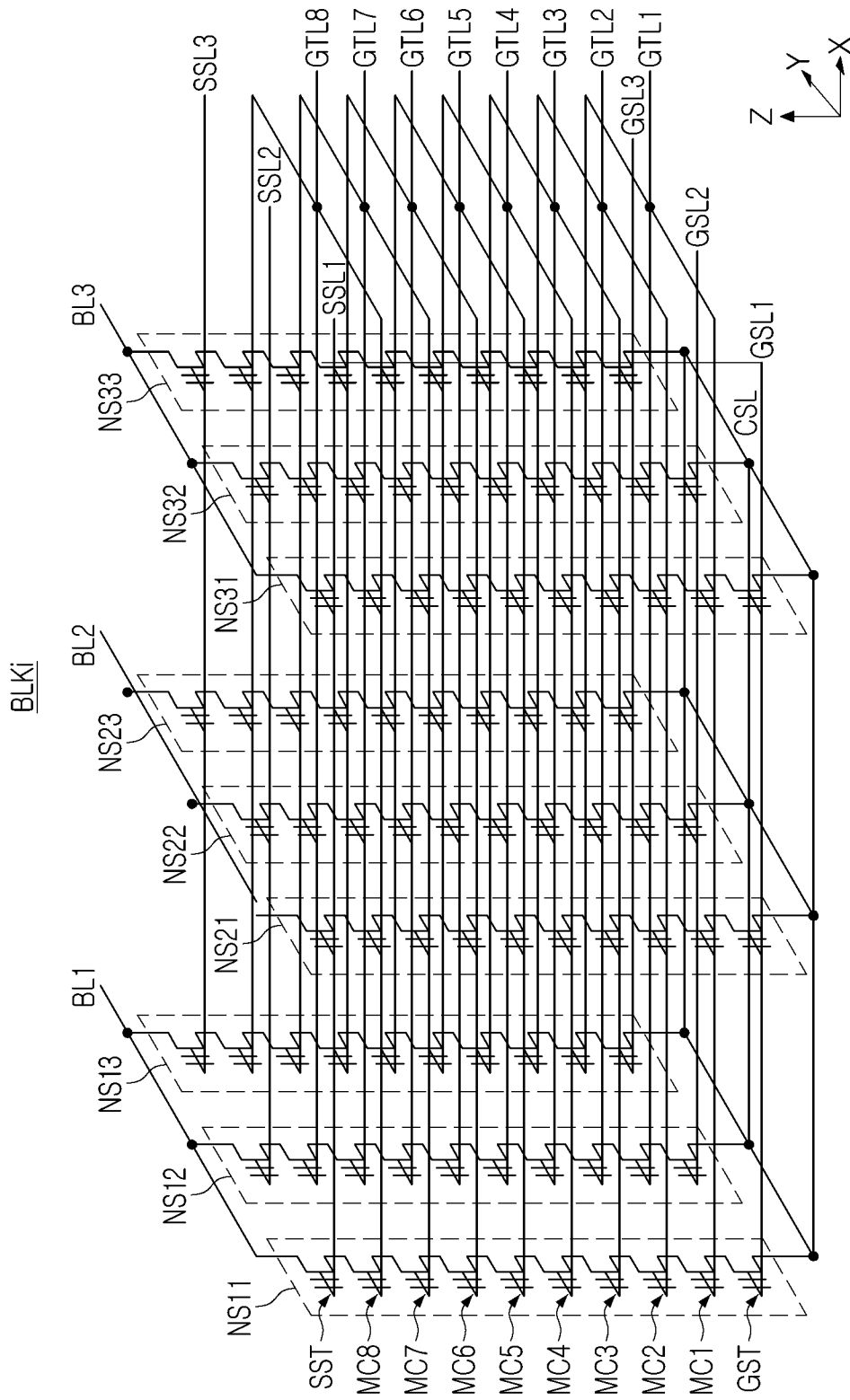


FIG. 3

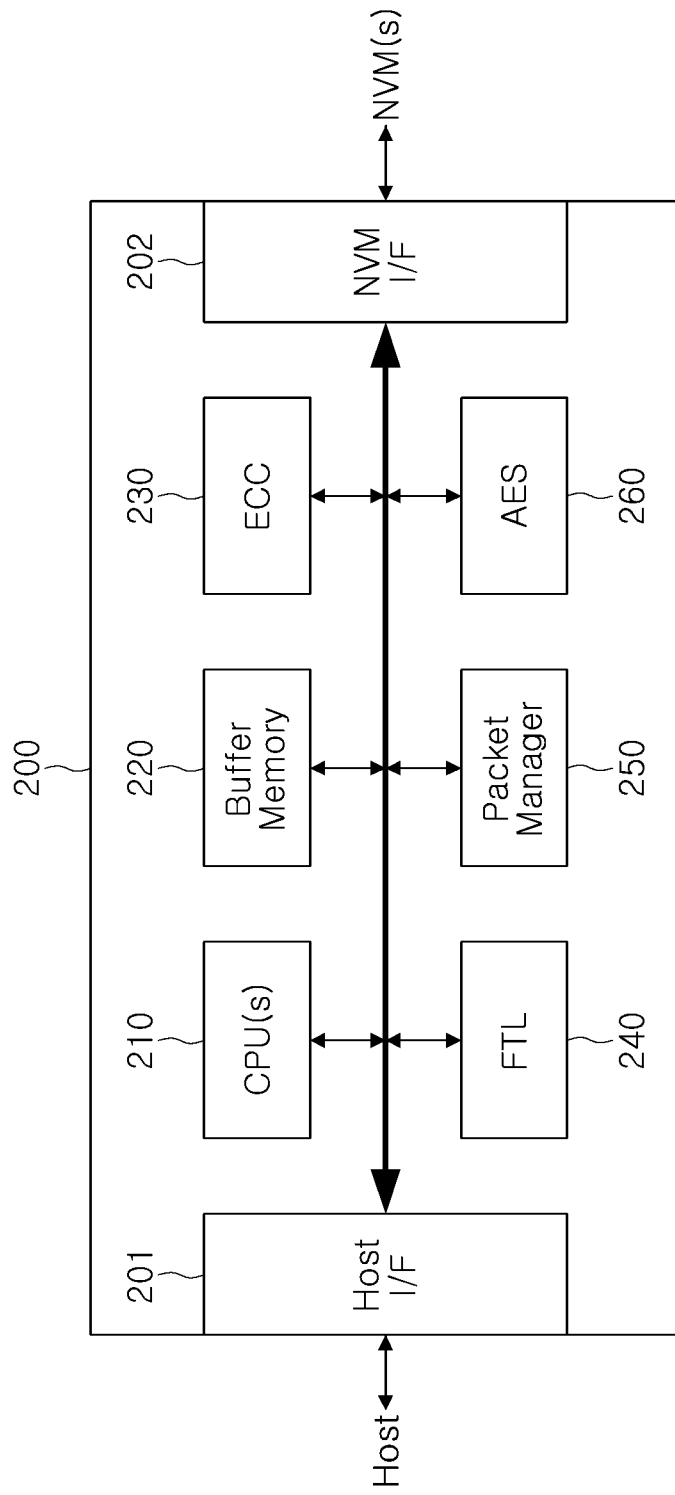


FIG. 4

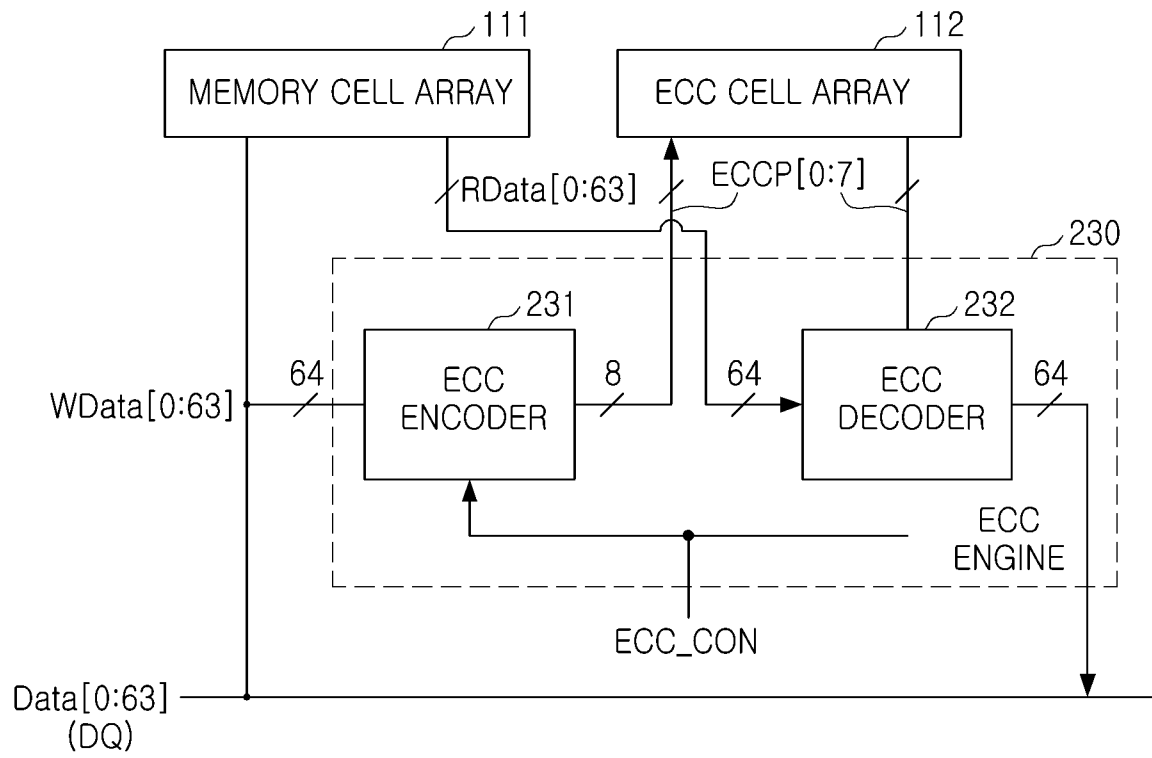


FIG. 5A

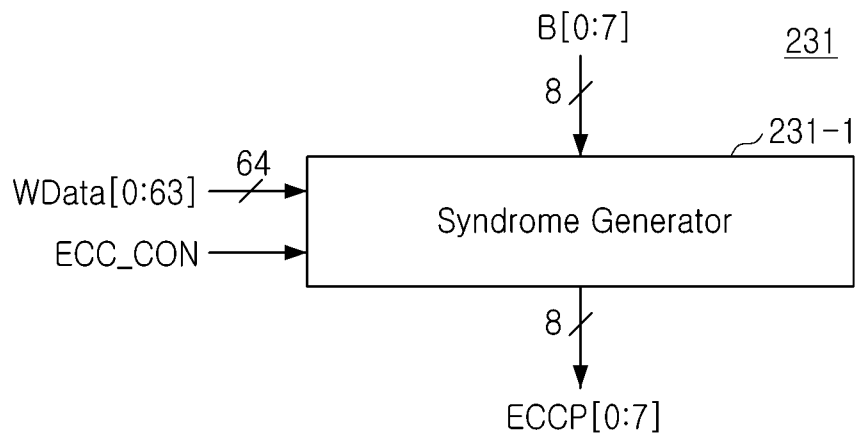


FIG. 5B

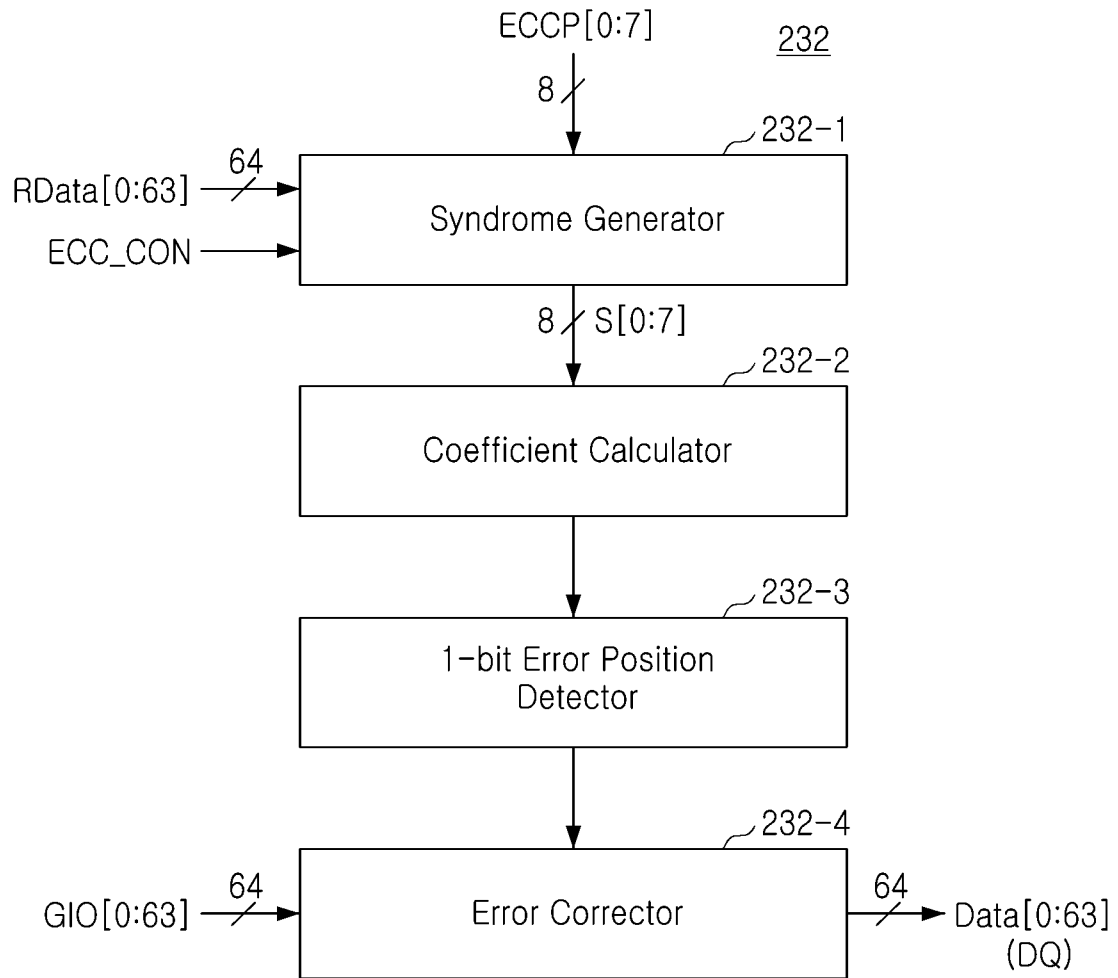


FIG. 5C

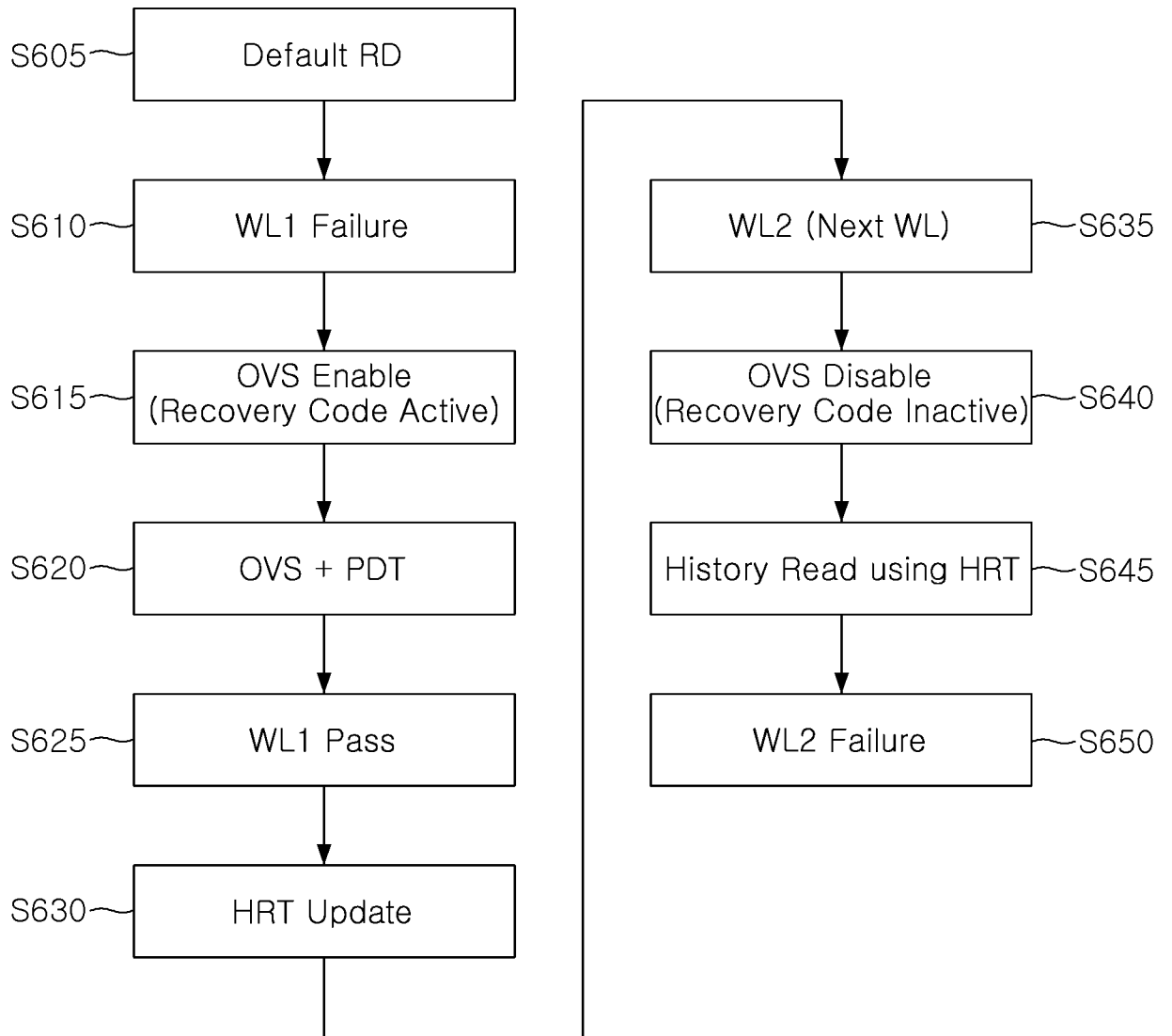


FIG. 6

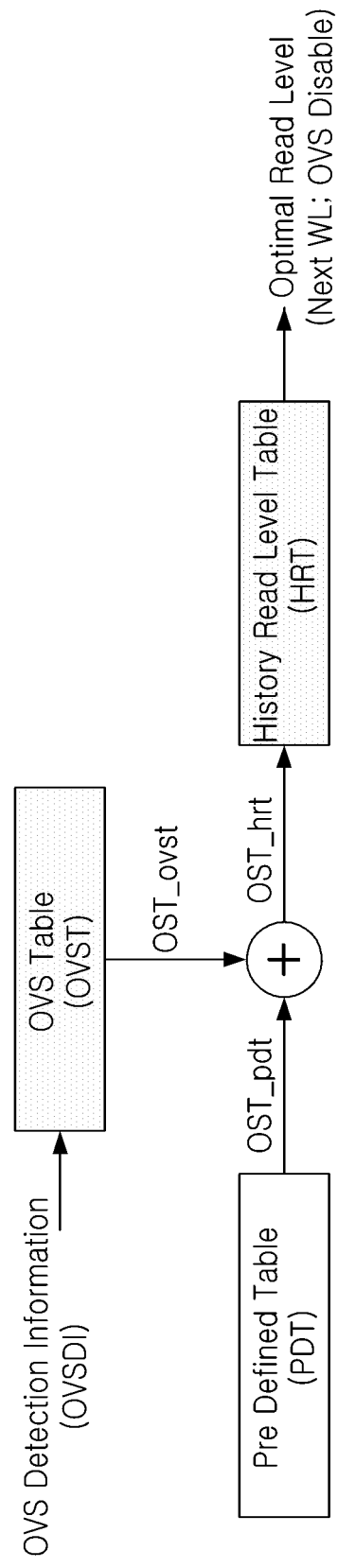


FIG. 7

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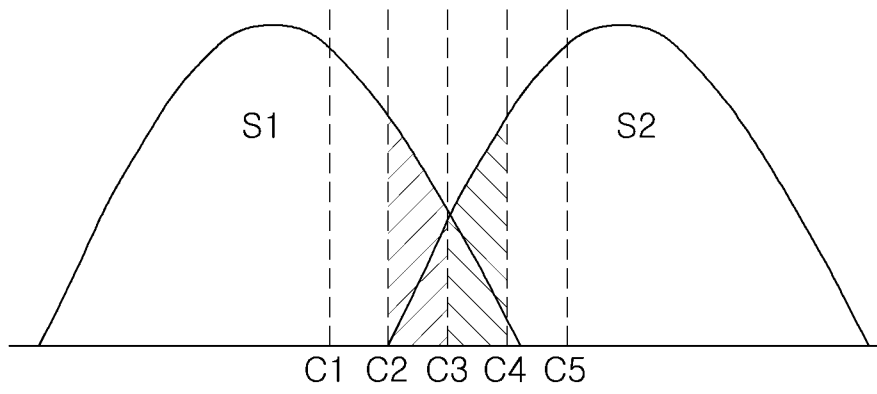


FIG. 8A

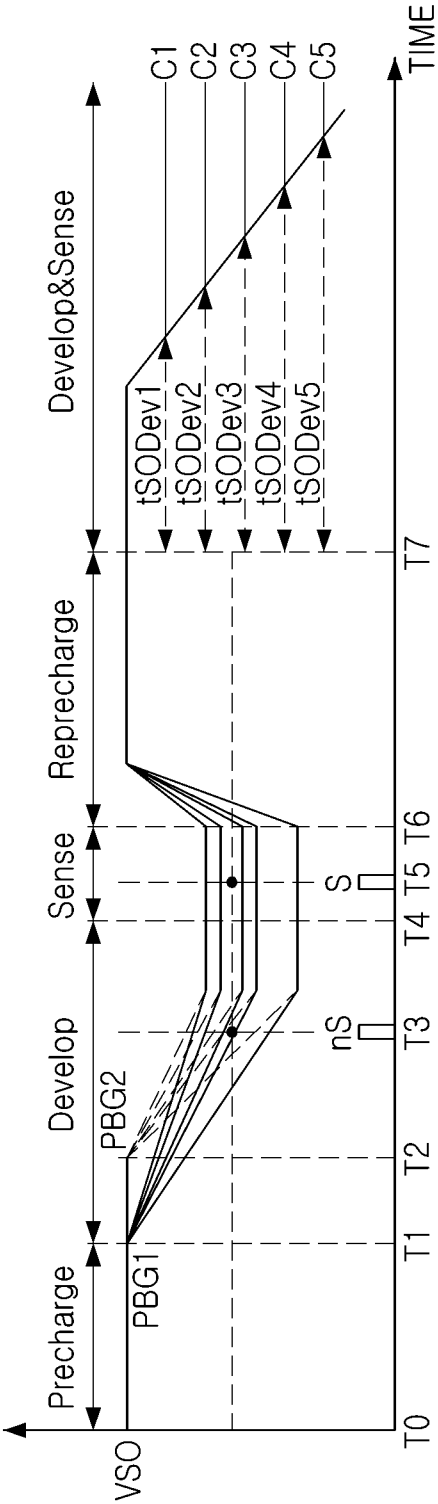


FIG. 8B

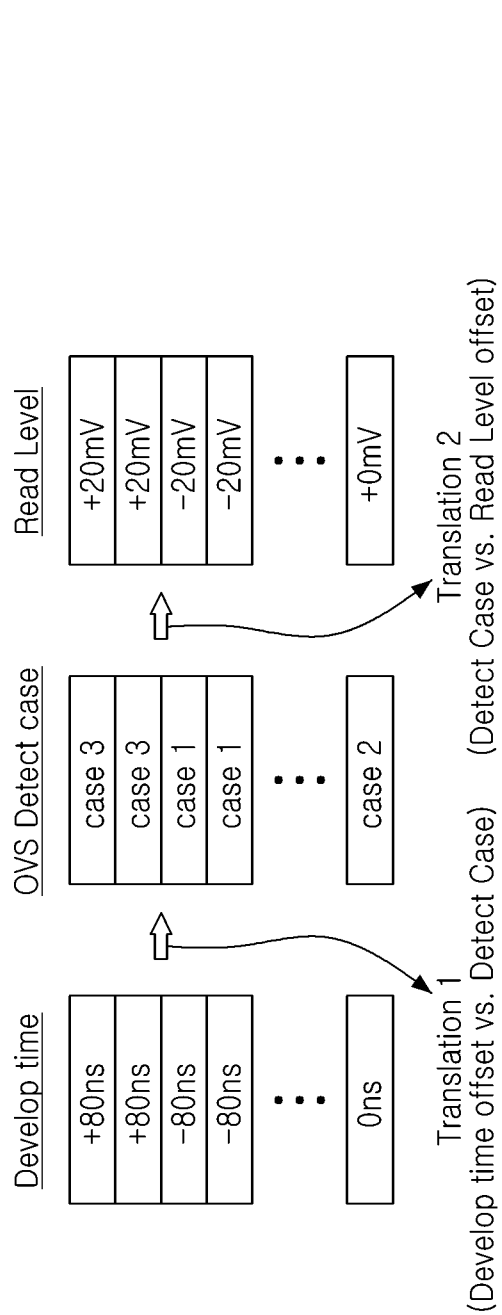


FIG. 9

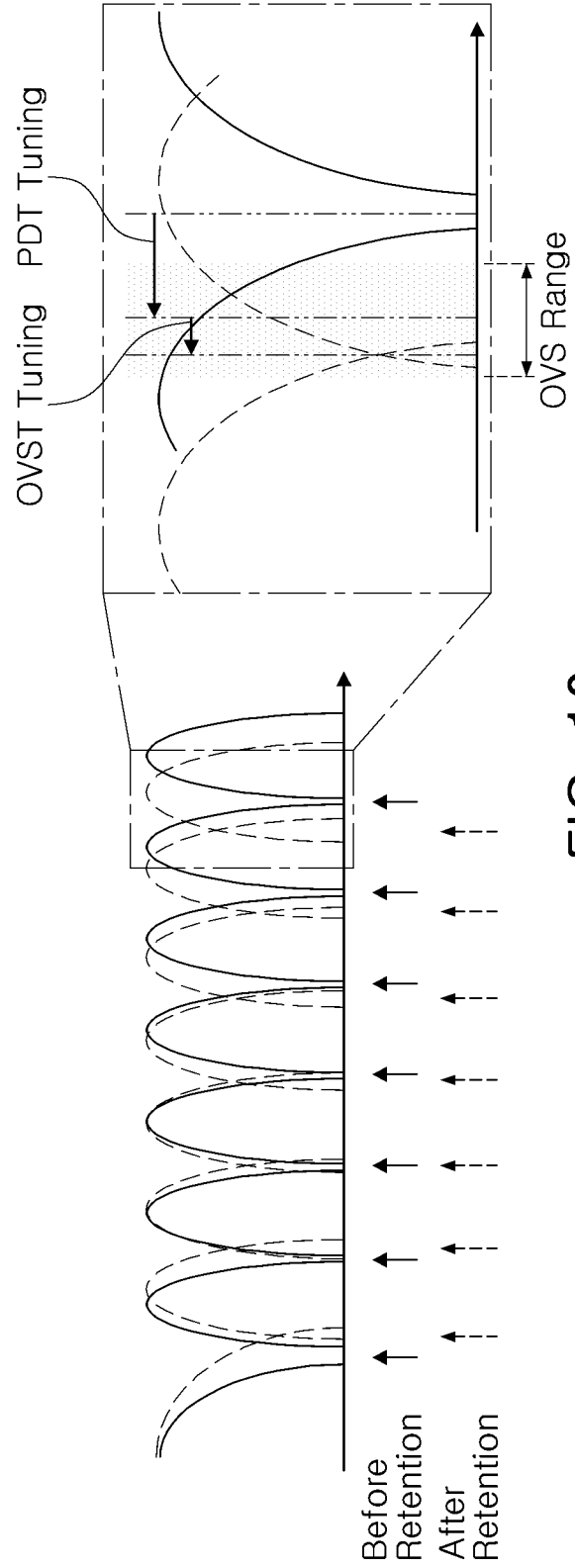


FIG. 10

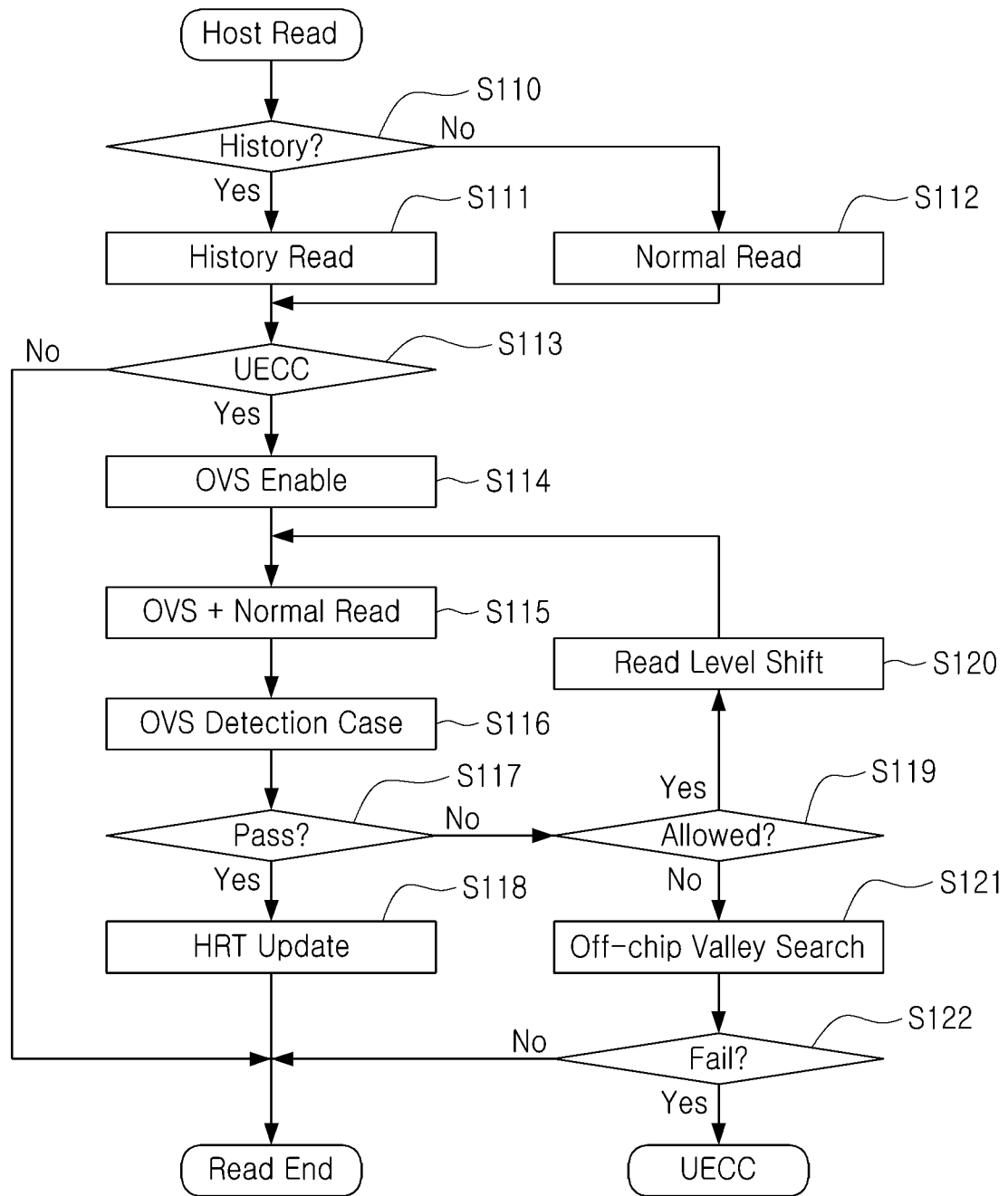


FIG. 11

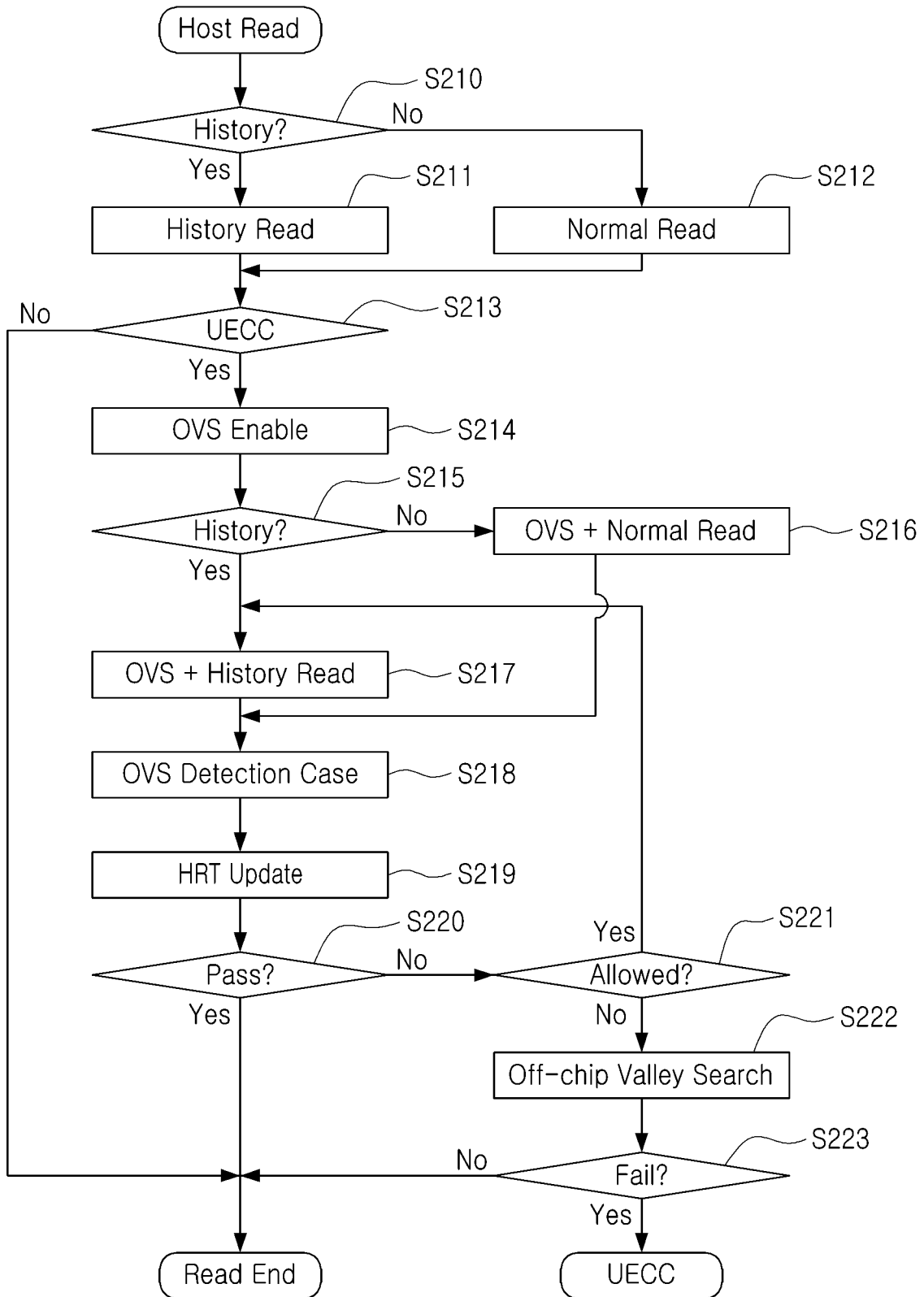


FIG. 12

		OVS Detect Case						
		C1	C2	C3	C4	C5	C6	C7
State	R1	-40 mV	-32 mV	-16 mV	0 mV	16 mV	32 mV	40 mV
	R2	-30 mV	-24 mV	-12 mV	0 mV	12 mV	24 mV	30 mV
	R3	-20 mV	-10 mV	-8 mV	0 mV	8 mV	16 mV	20 mV
	R4	-40 mV	-30 mV	-16 mV	0 mV	16 mV	32 mV	40 mV
	R5	-60 mV	-40 mV	-24 mV	0 mV	24 mV	48 mV	60 mV
	R6	-80 mV	-60 mV	-32 mV	0 mV	32 mV	64 mV	80 mV
	R7	-100 mV	-80 mV	-40 mV	0 mV	40 mV	80 mV	100 mV

FIG. 13A

HRT : Before Update

	R1	R2	R3	R4	R5	R6	R7
Level Offset	0 mV	0 mV	0 mV	0 mV	0 mV	0 mV	0 mV

HRT : After Update

	R1	R2	R3	R4	R5	R6	R7
Level Offset	0 mV	0 mV	0 mV	0 mV	0 mV	0 mV	-100 mV

FIG. 13B

		OVS Detect Case						
		C1	C2	C3	C4	C5	C6	C7
State	R1	-40 mV	-32 mV	-16 mV	0 mV	16 mV	32 mV	40 mV
	R2	-30 mV	-24 mV	-12 mV	0 mV	12 mV	24 mV	30 mV
	R3	-20 mV	-10 mV	-8 mV	0 mV	8 mV	16 mV	20 mV
	R4	-40 mV	-30 mV	-16 mV	0 mV	16 mV	32 mV	40 mV
	R5	-60 mV	-40 mV	-24 mV	0 mV	24 mV	48 mV	60 mV
	R6	-80 mV	-60 mV	-32 mV	0 mV	32 mV	64 mV	80 mV
	R7	-100 mV	-80 mV	-40 mV	0 mV	40 mV	80 mV	100 mV

FIG. 13C

HRT : Before Update

	R1	R2	R3	R4	R5	R6	R7
Level Offset	0 mV	0 mV	0 mV	0 mV	0 mV	0 mV	-100 mV

HRT : After Update

	R1	R2	R3	R4	R5	R6	R7
Level Offset	0 mV	0 mV	0 mV	0 mV	0 mV	0 mV	-180 mV

FIG. 13D

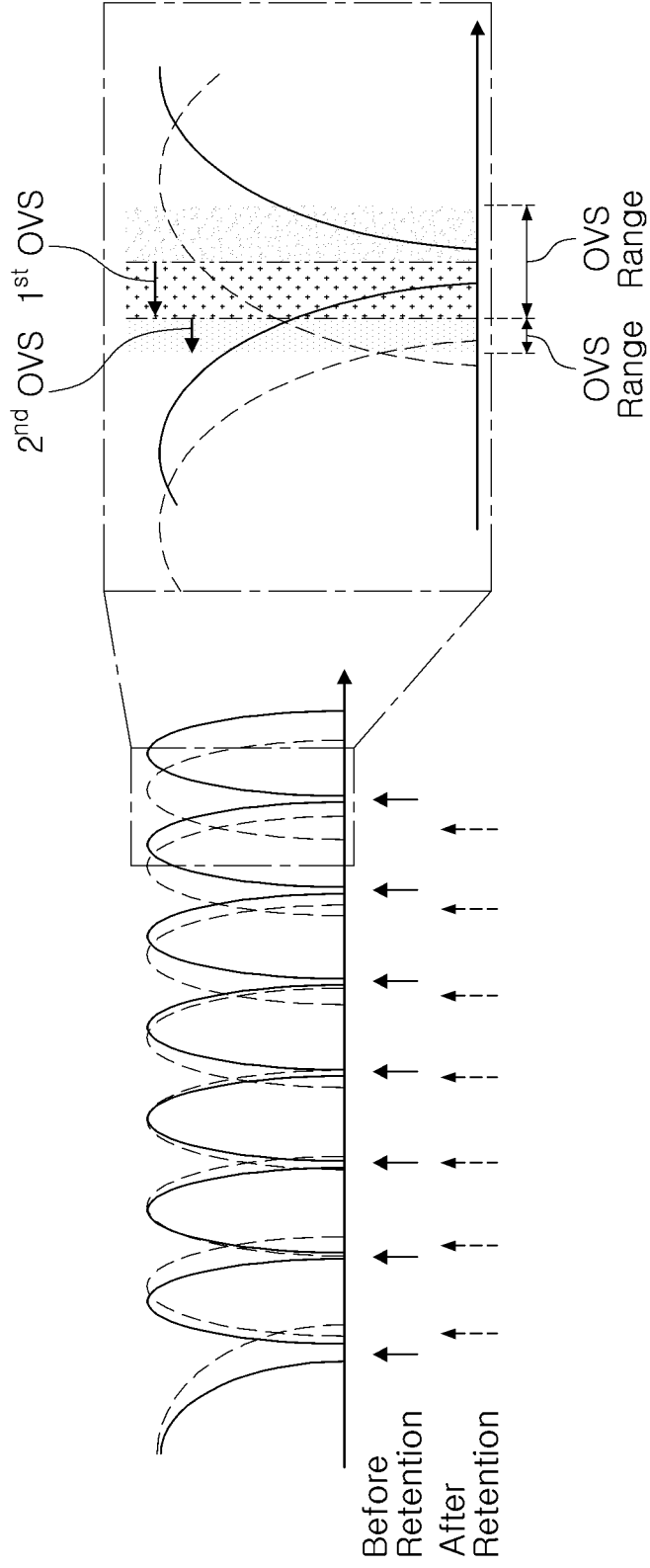


FIG. 14A

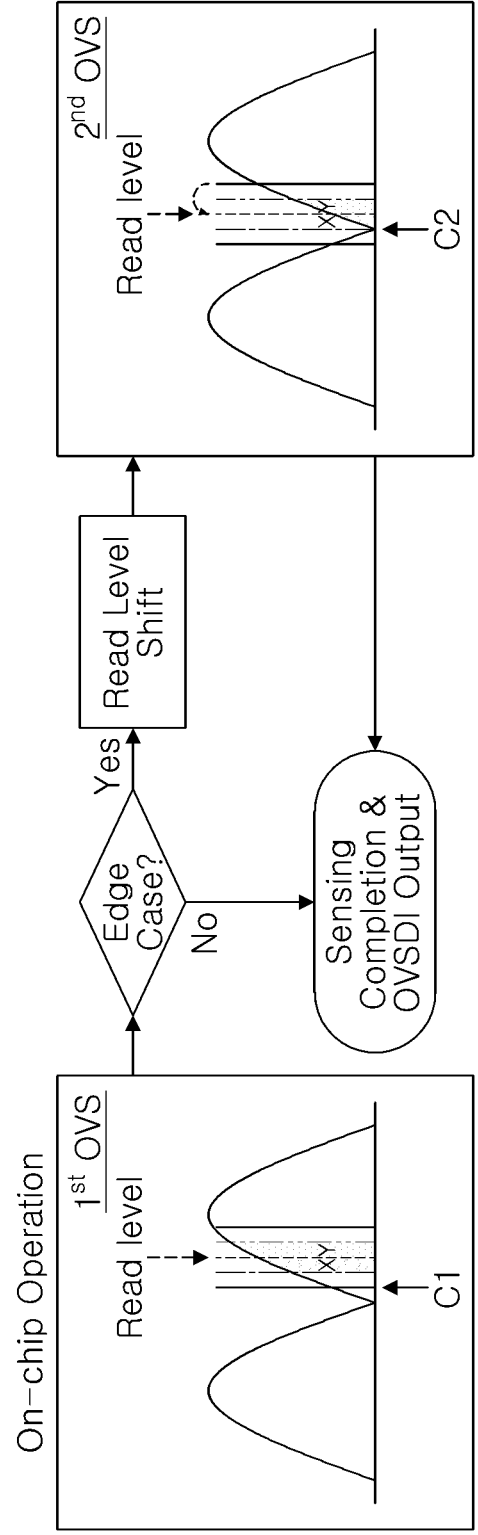


FIG. 14B

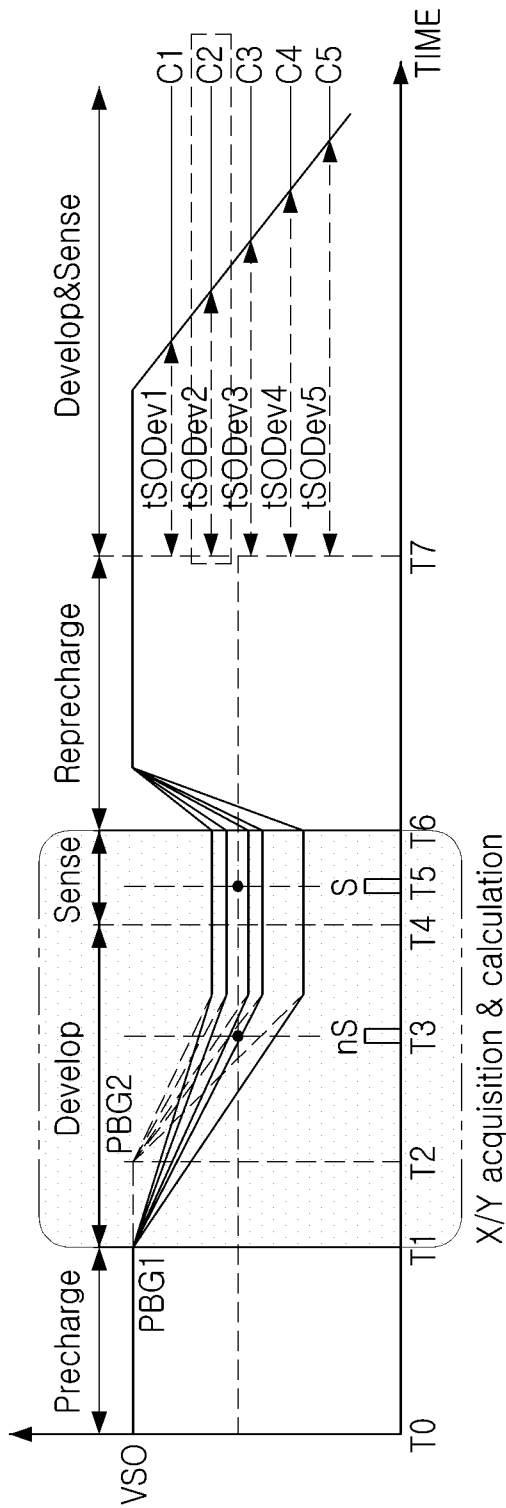


FIG. 15A

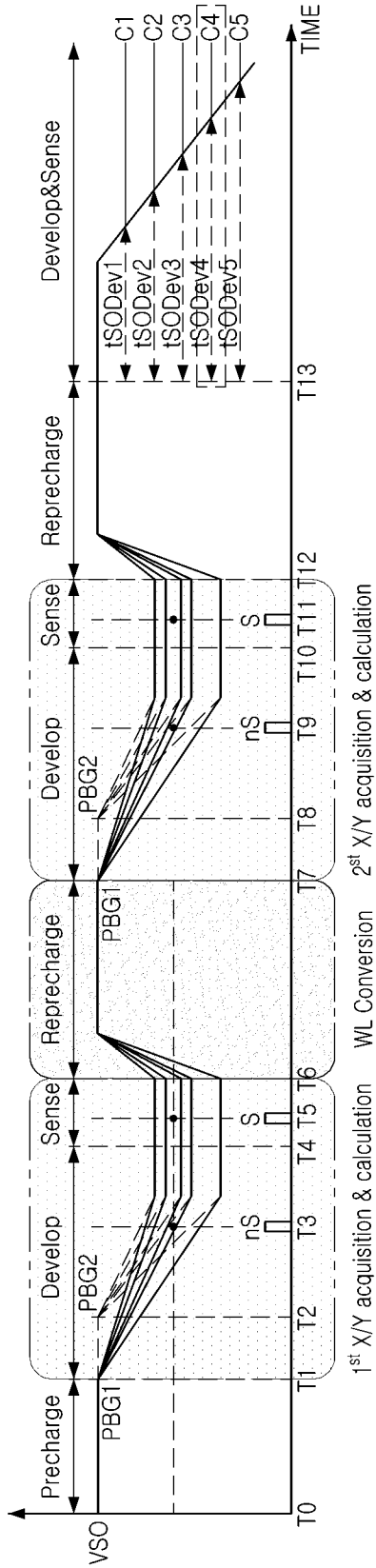


FIG. 15B

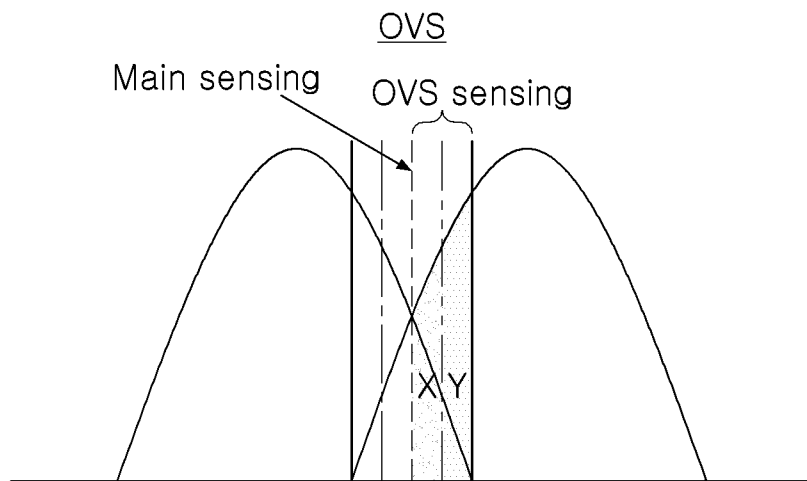


FIG. 15C

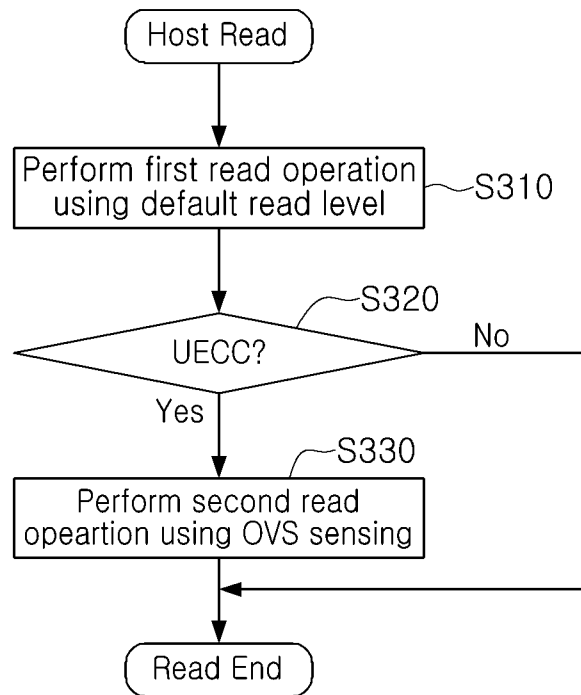


FIG. 16

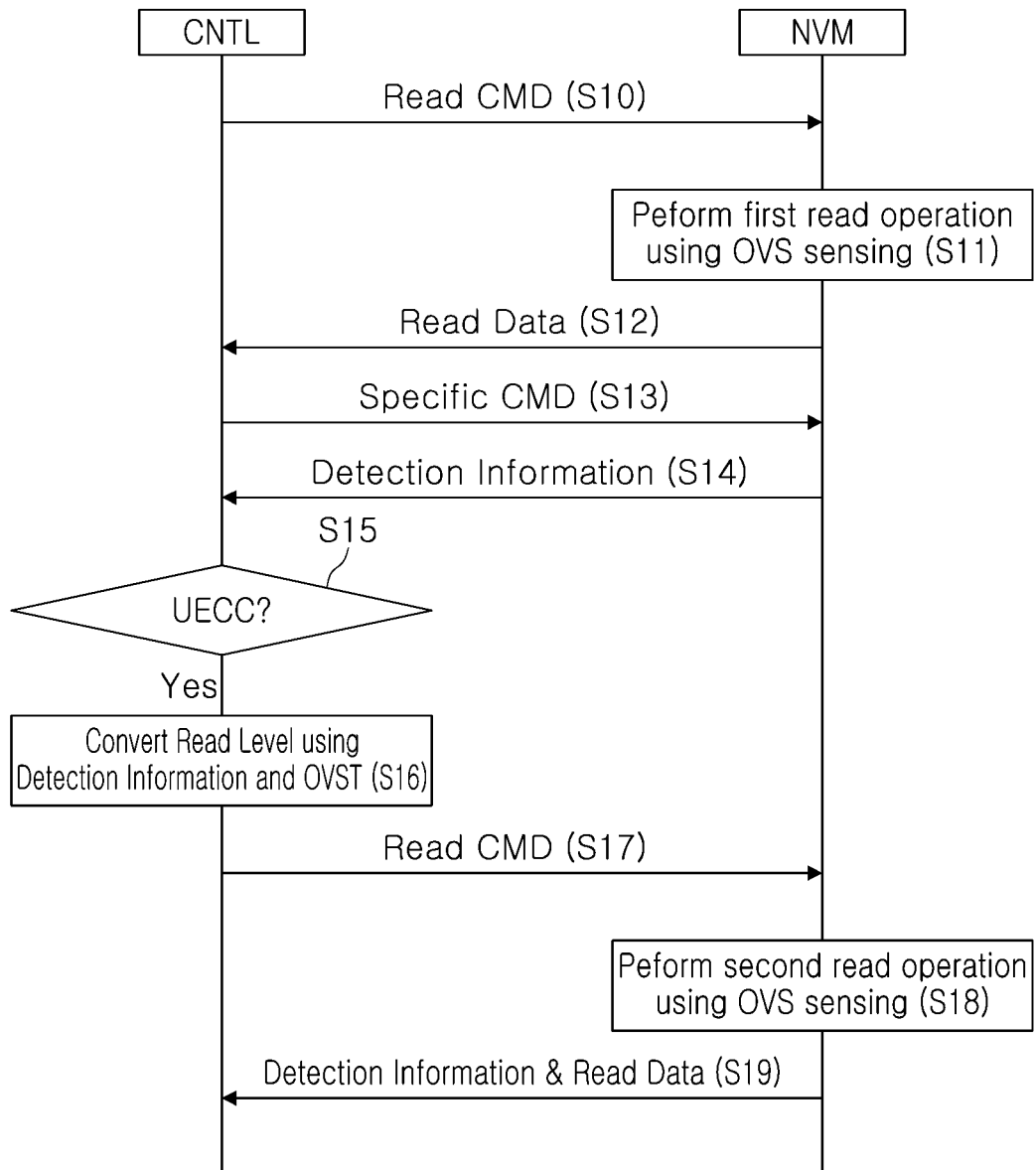


FIG. 17

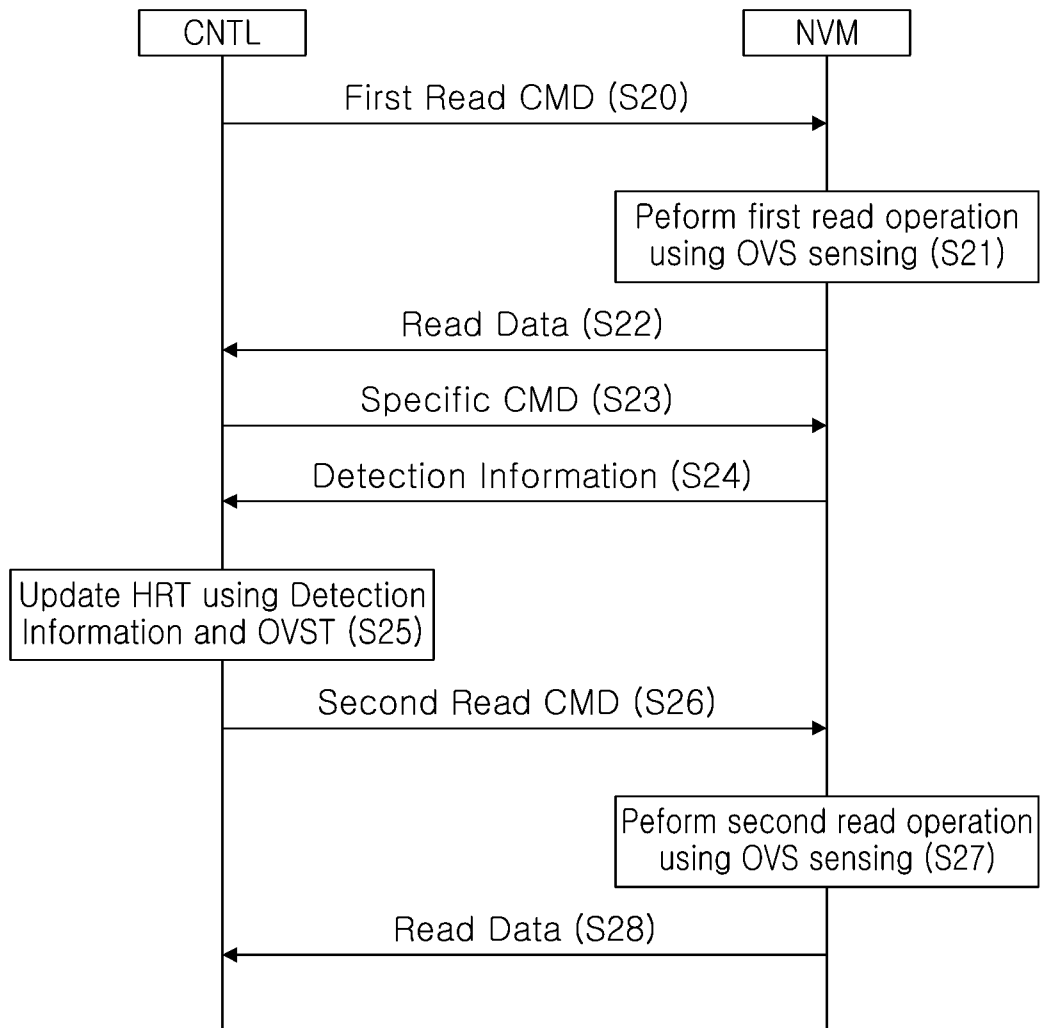


FIG. 18

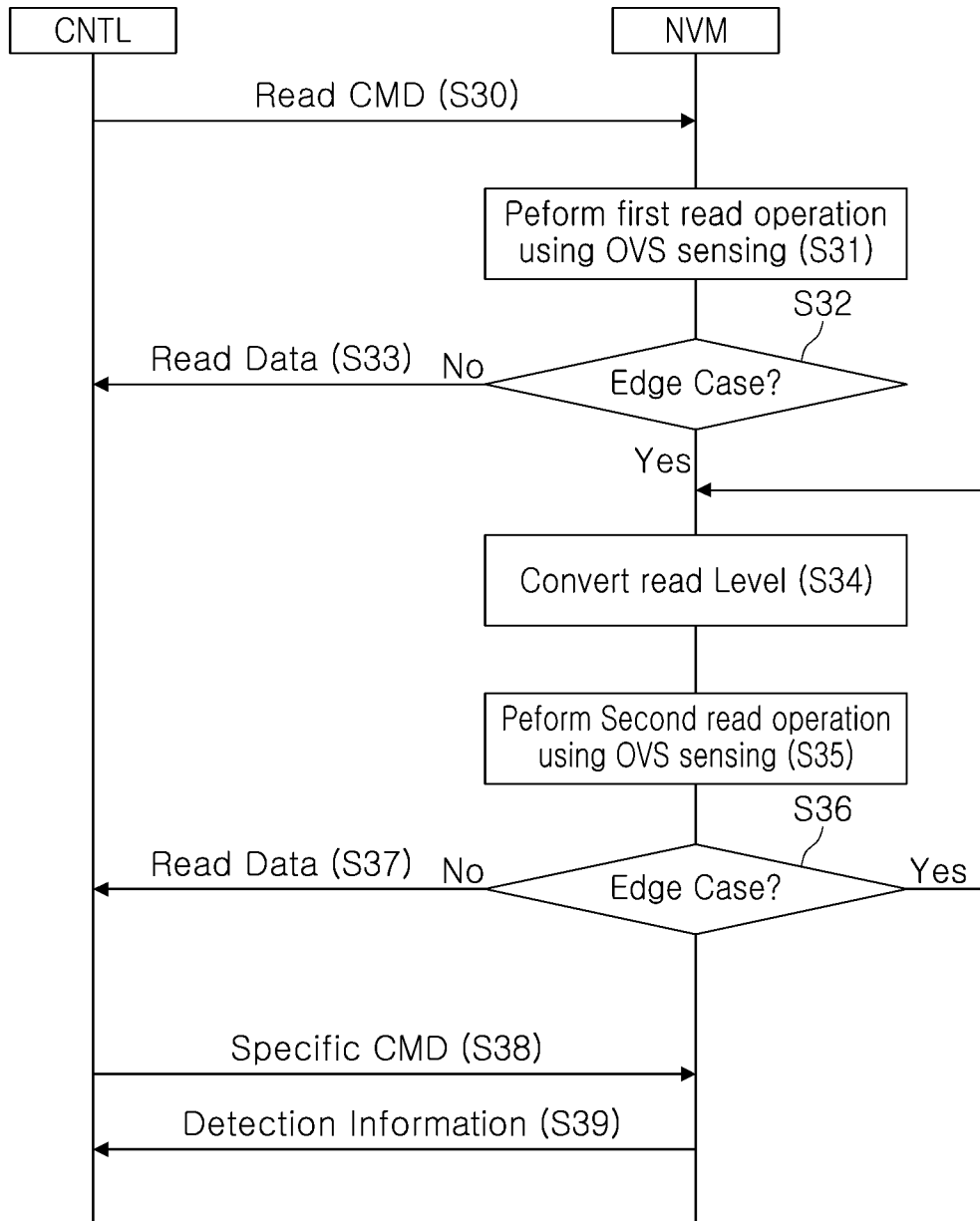


FIG. 19

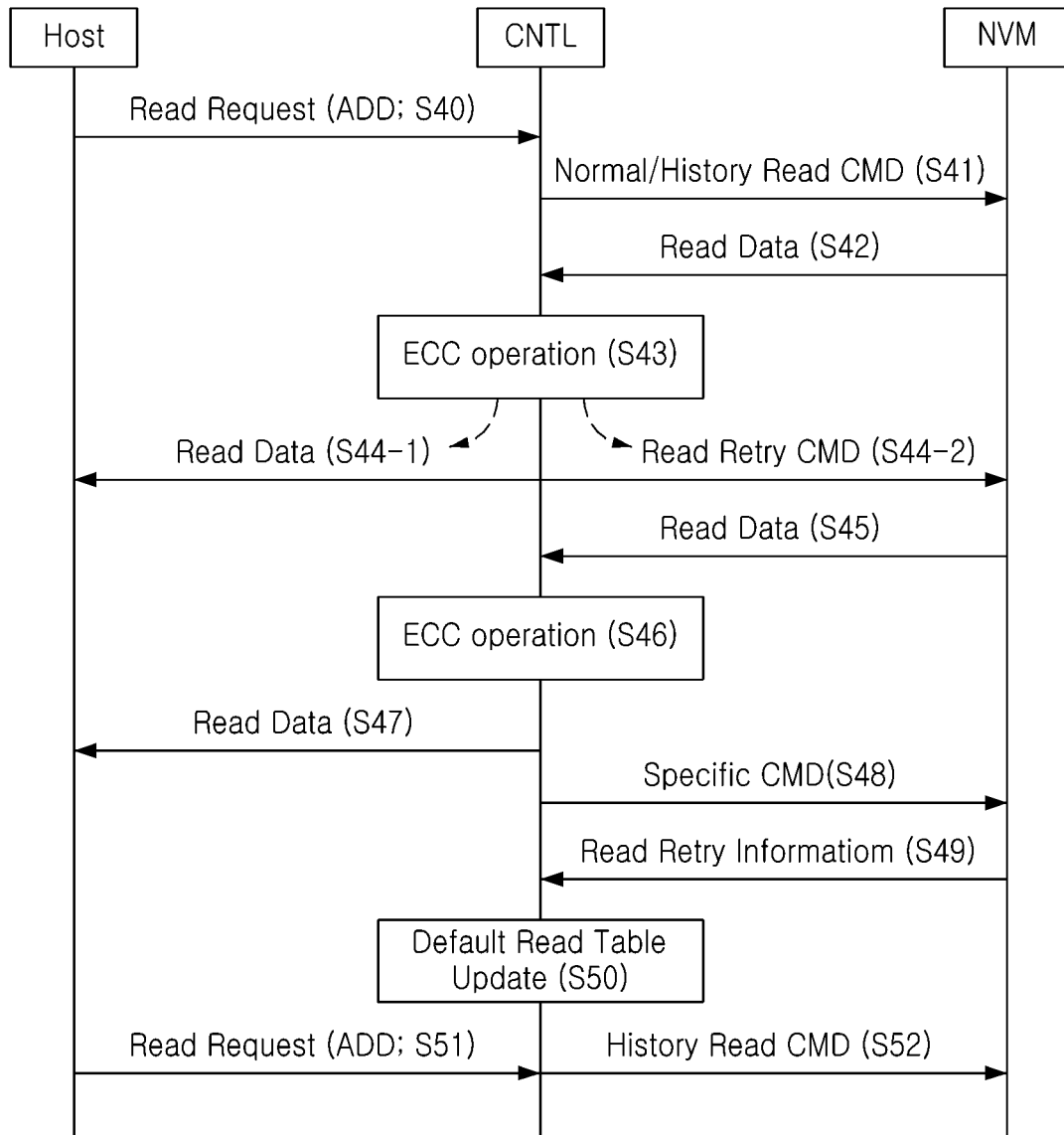


FIG. 20

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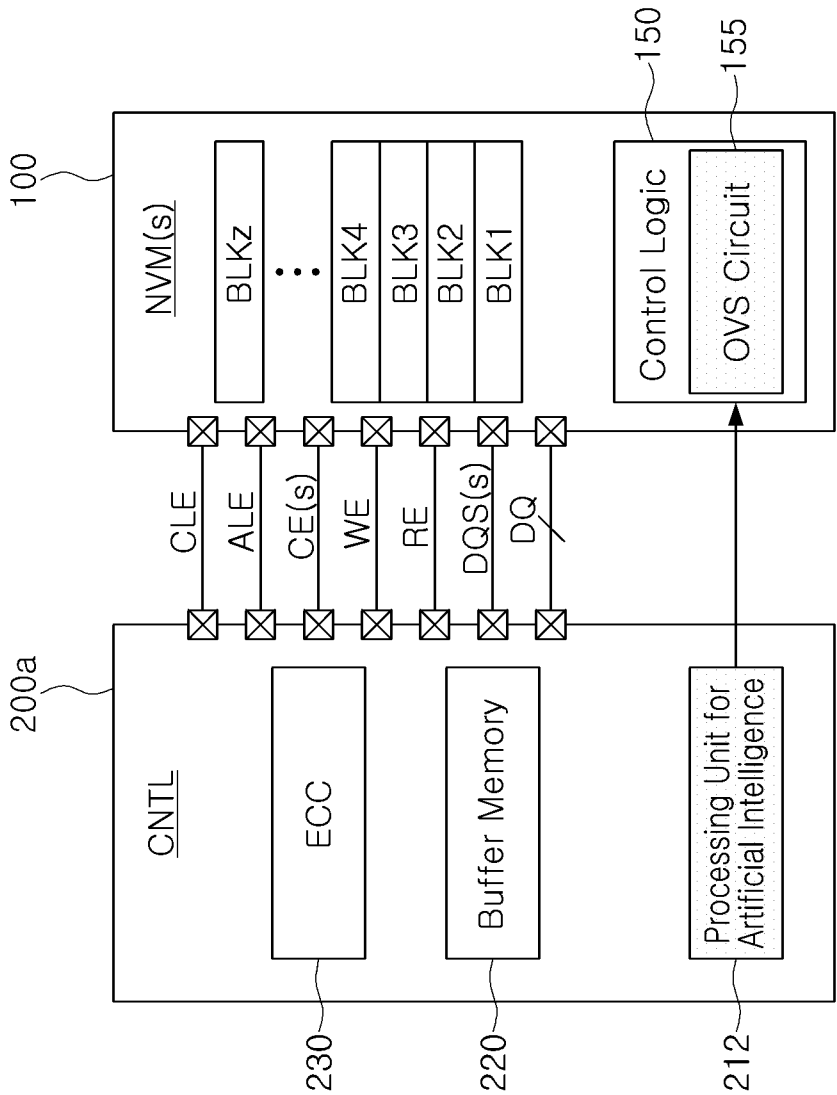


FIG. 21

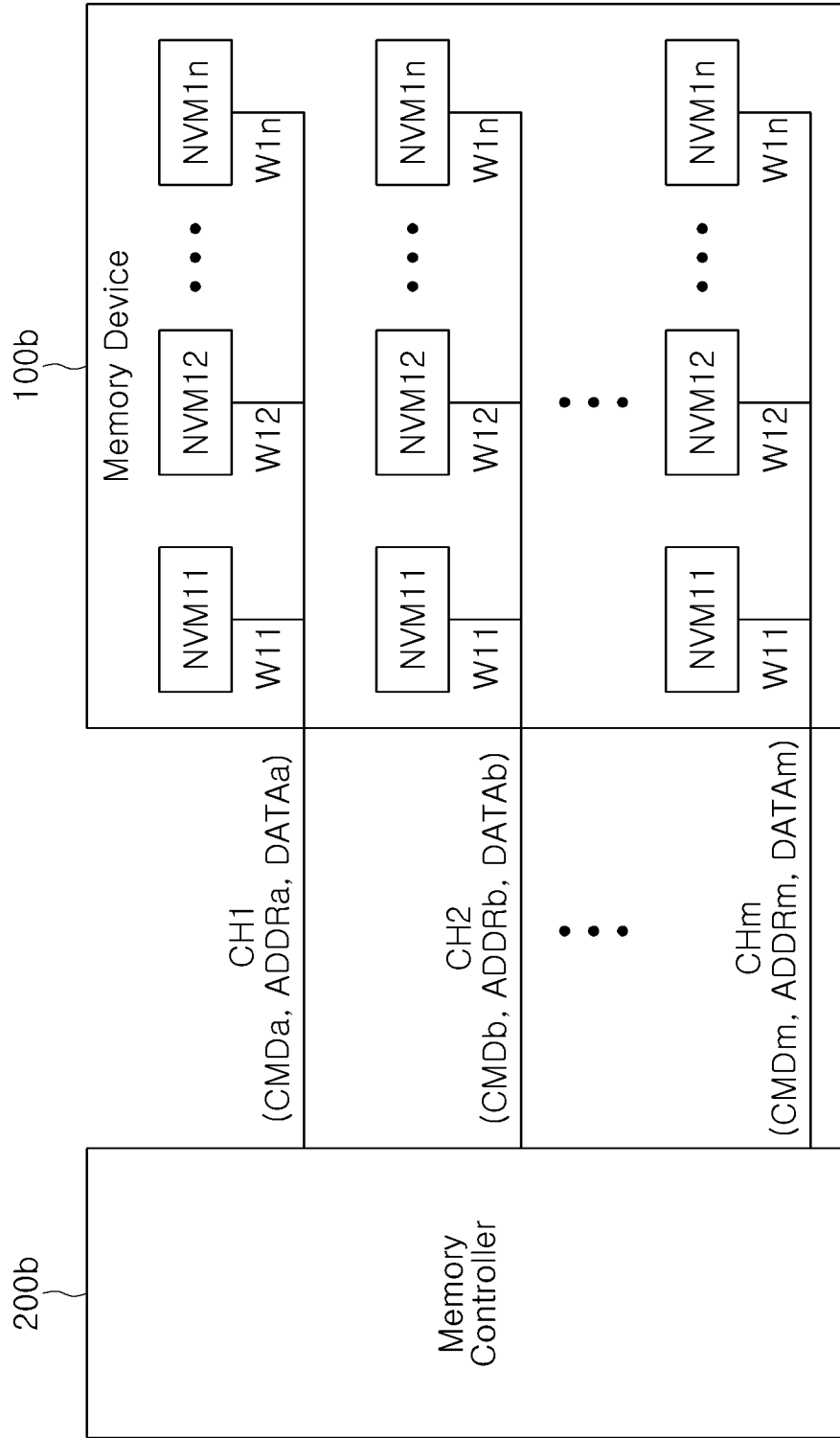


FIG. 22

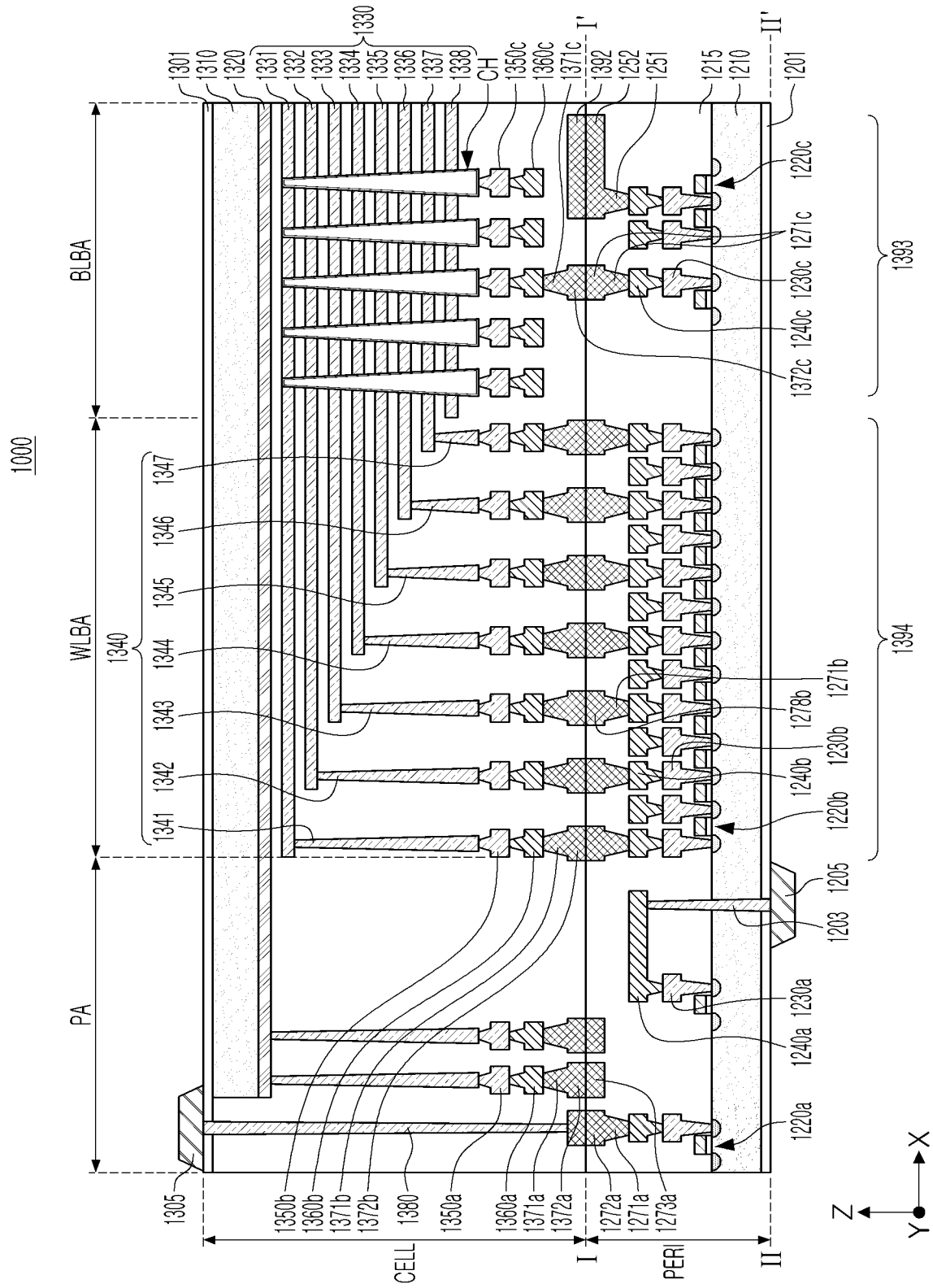


FIG. 23

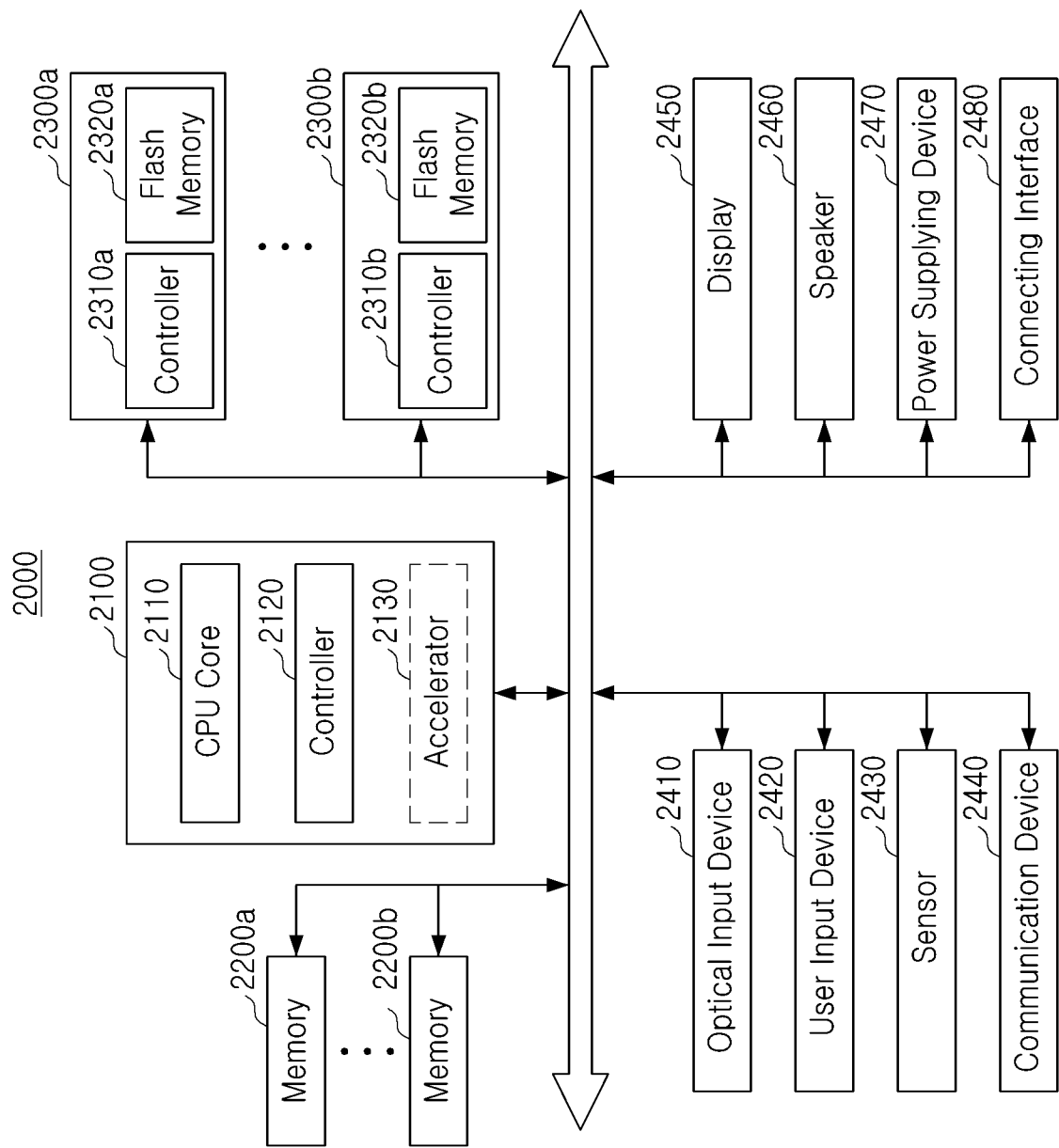


FIG. 24