

FIG. 1

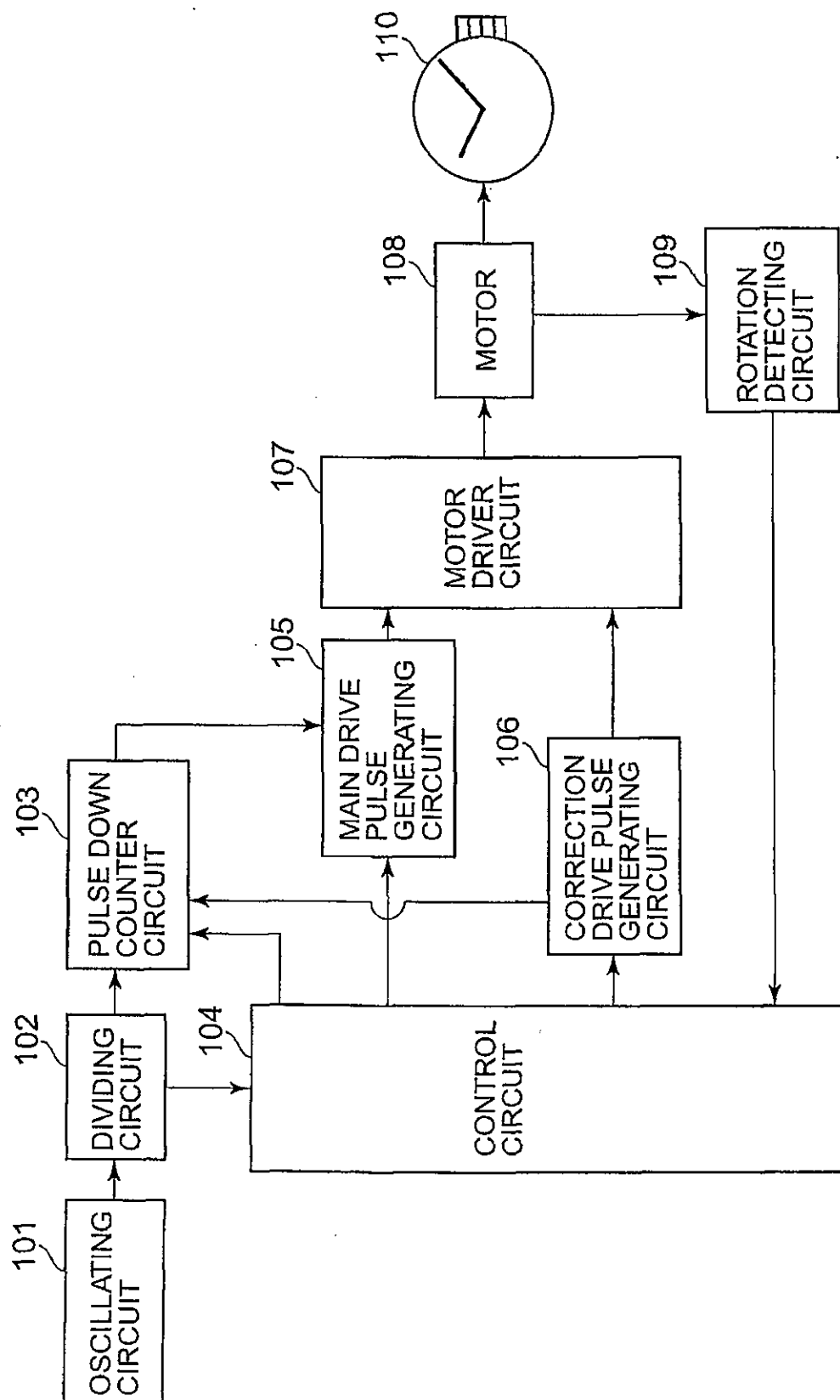


FIG. 2

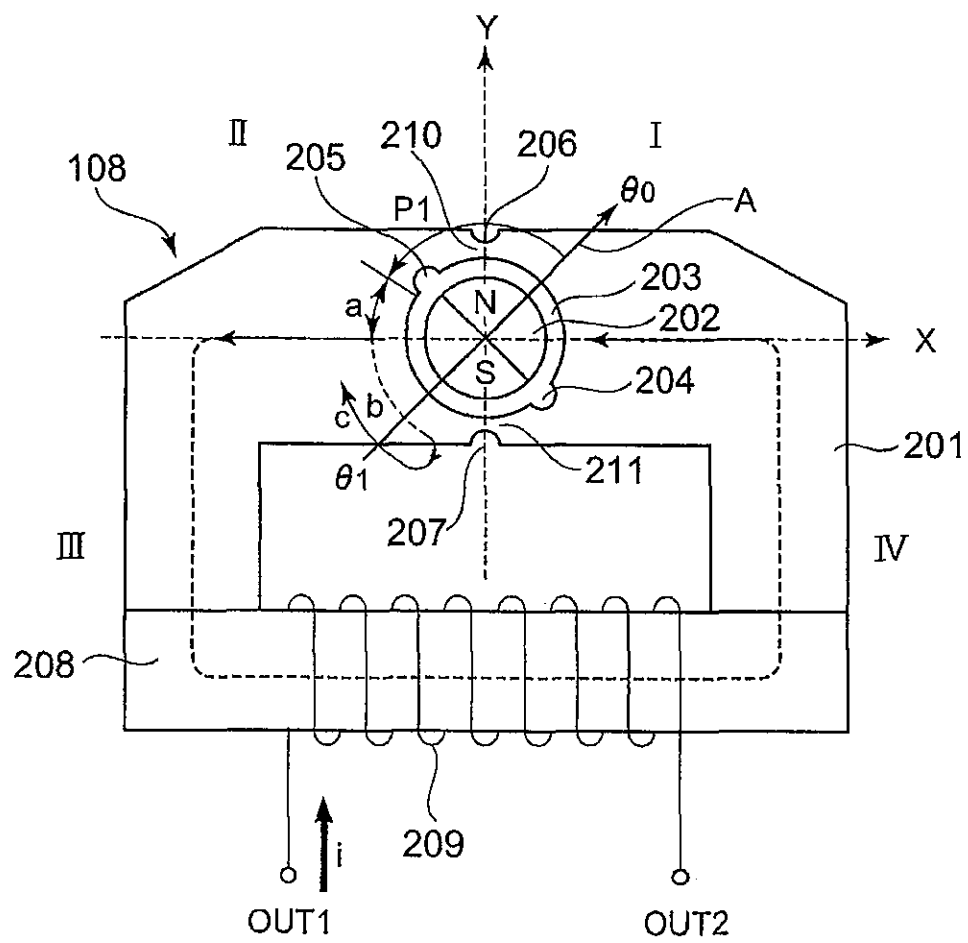


FIG. 3

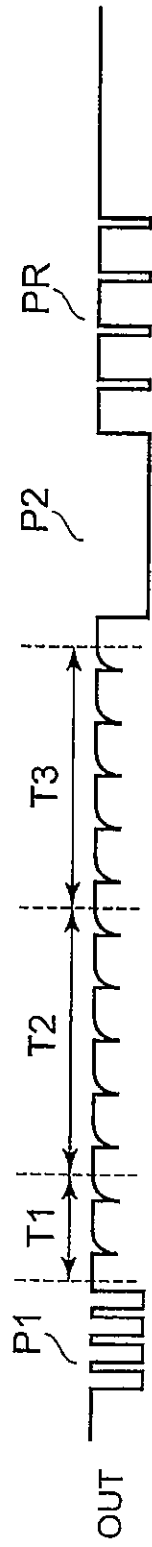


FIG. 4

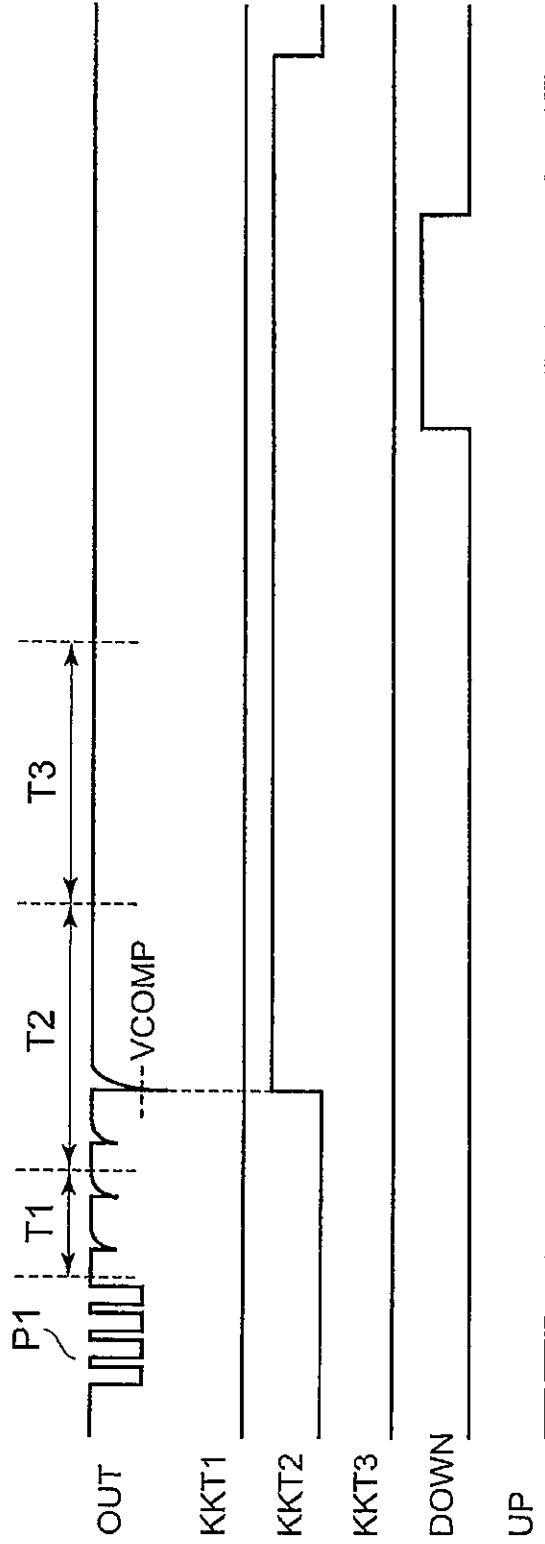


FIG. 5

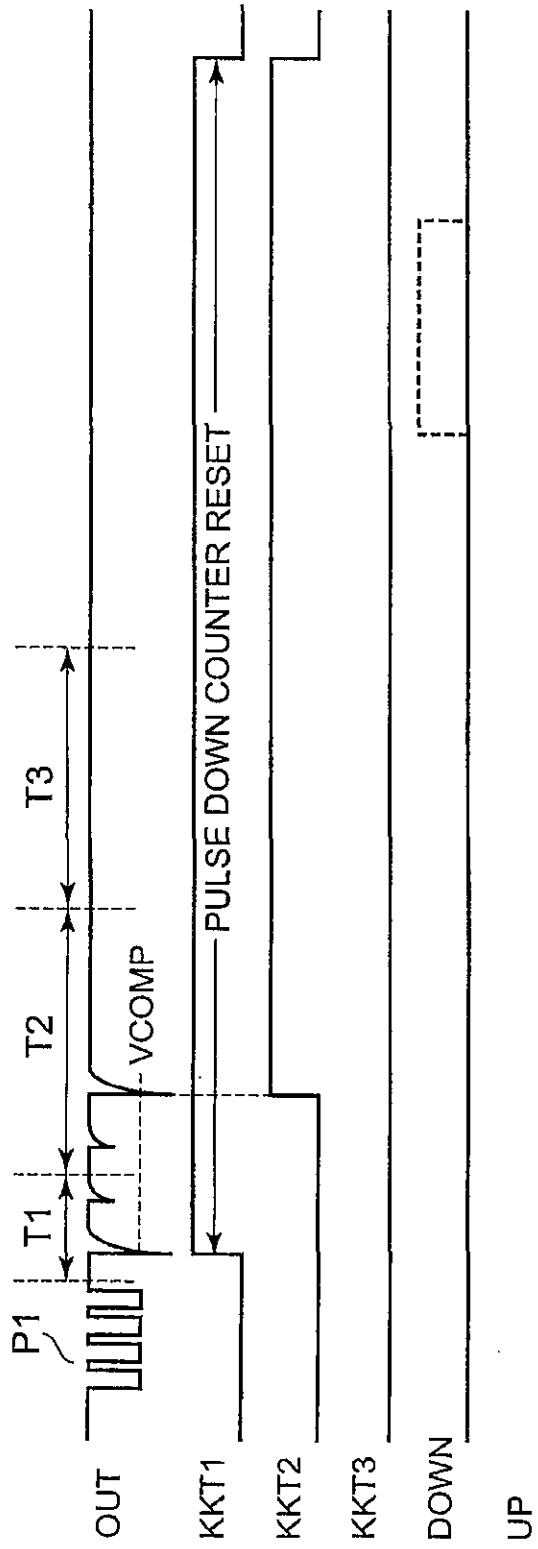


FIG. 6

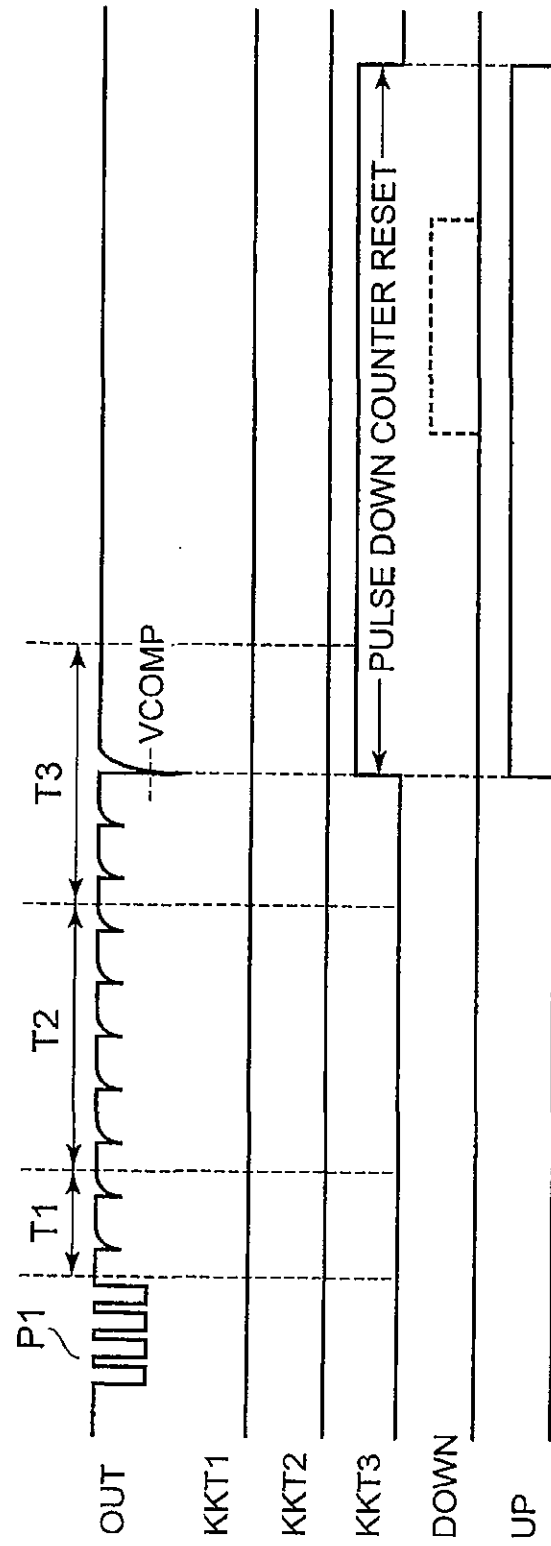


FIG. 7

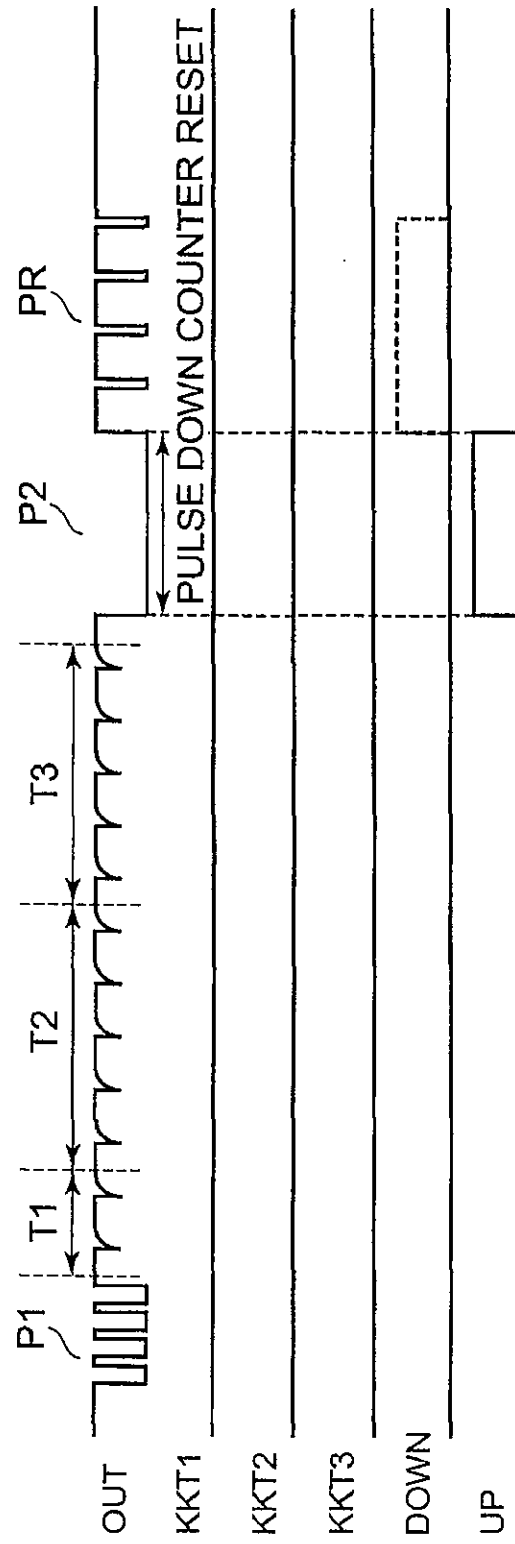


FIG. 8

DETERMINATION CHART

ROTATION DETECTION				RANK OPERATION			
T1	T2	T3	DETERMINATION	JUDGMENT	P1	P2	
0	1	1/0	ROTATION WITH ALLOWANCE	DOWN	-1 RANK	NOT PRESENT	
1	1	1/0	ROTATION WITHOUT ALLOWANCE	MAINTAIN	0	NOT PRESENT	
1/0	0	1	LIMIT ROTATION	UP	+1 RANK	NOT PRESENT	
1/0	0	0	NONROTATION	P2 + UP	+1 RANK	PRESENT	

FIG. 9

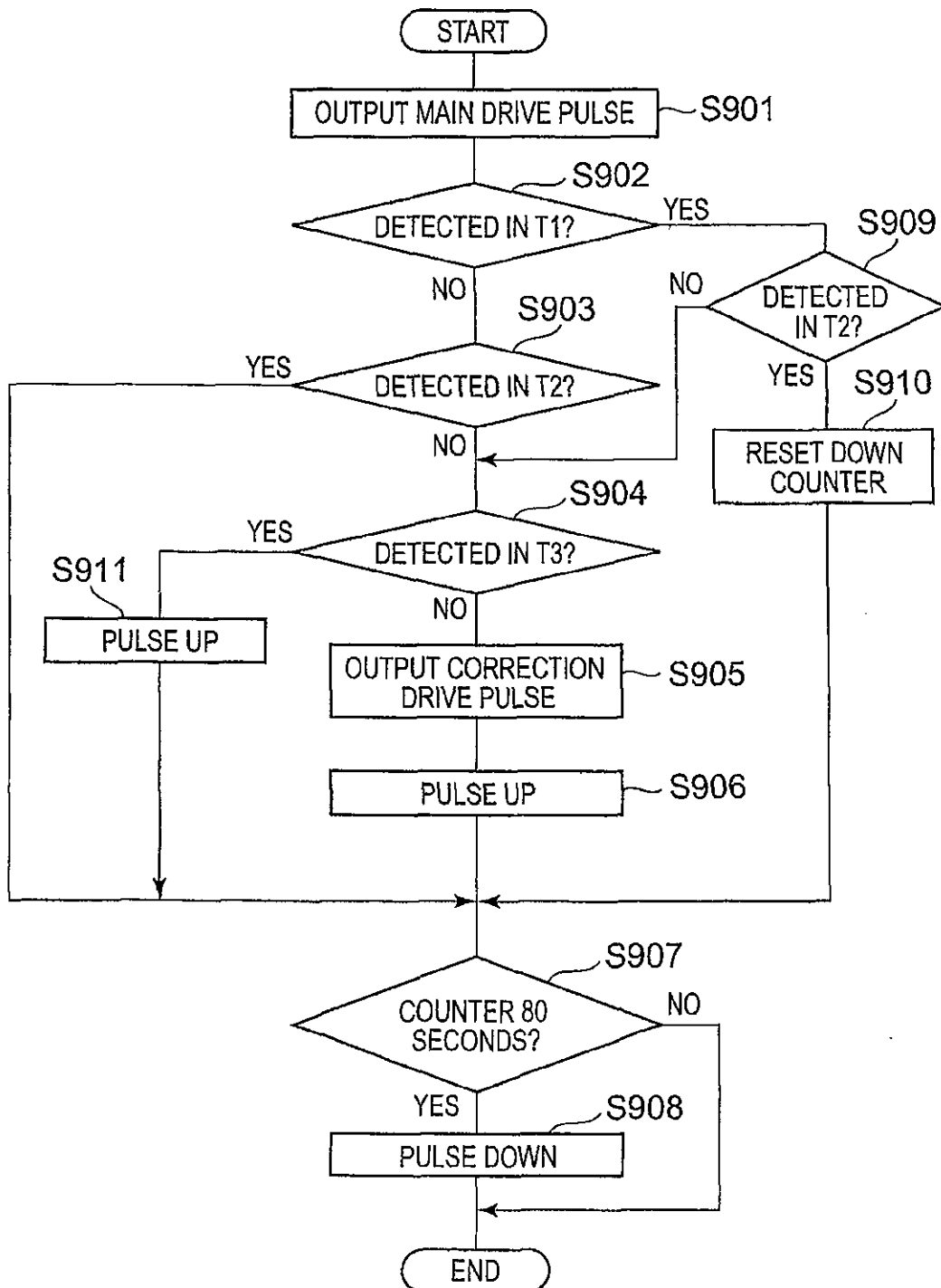


FIG. 10

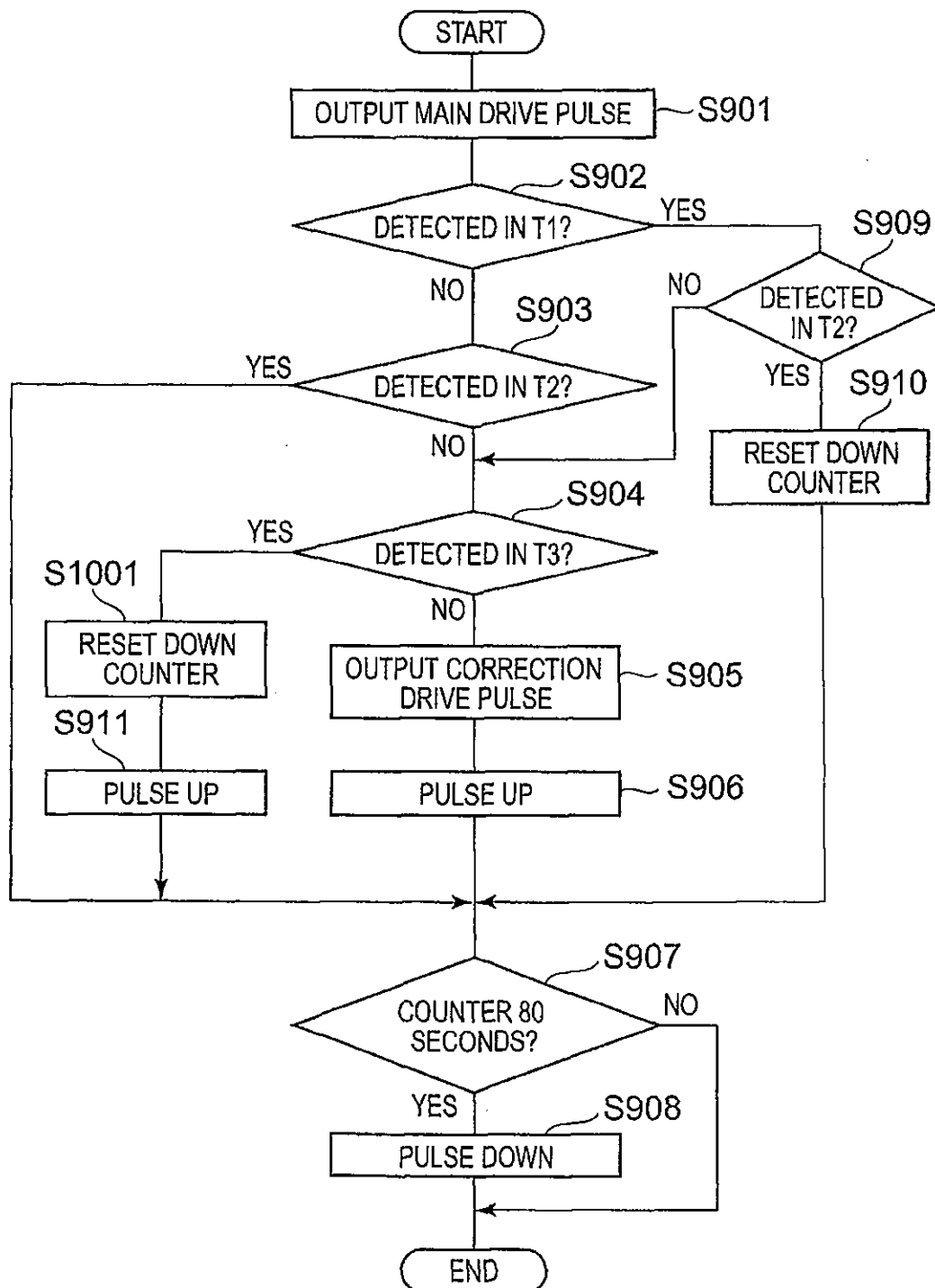


FIG. 11

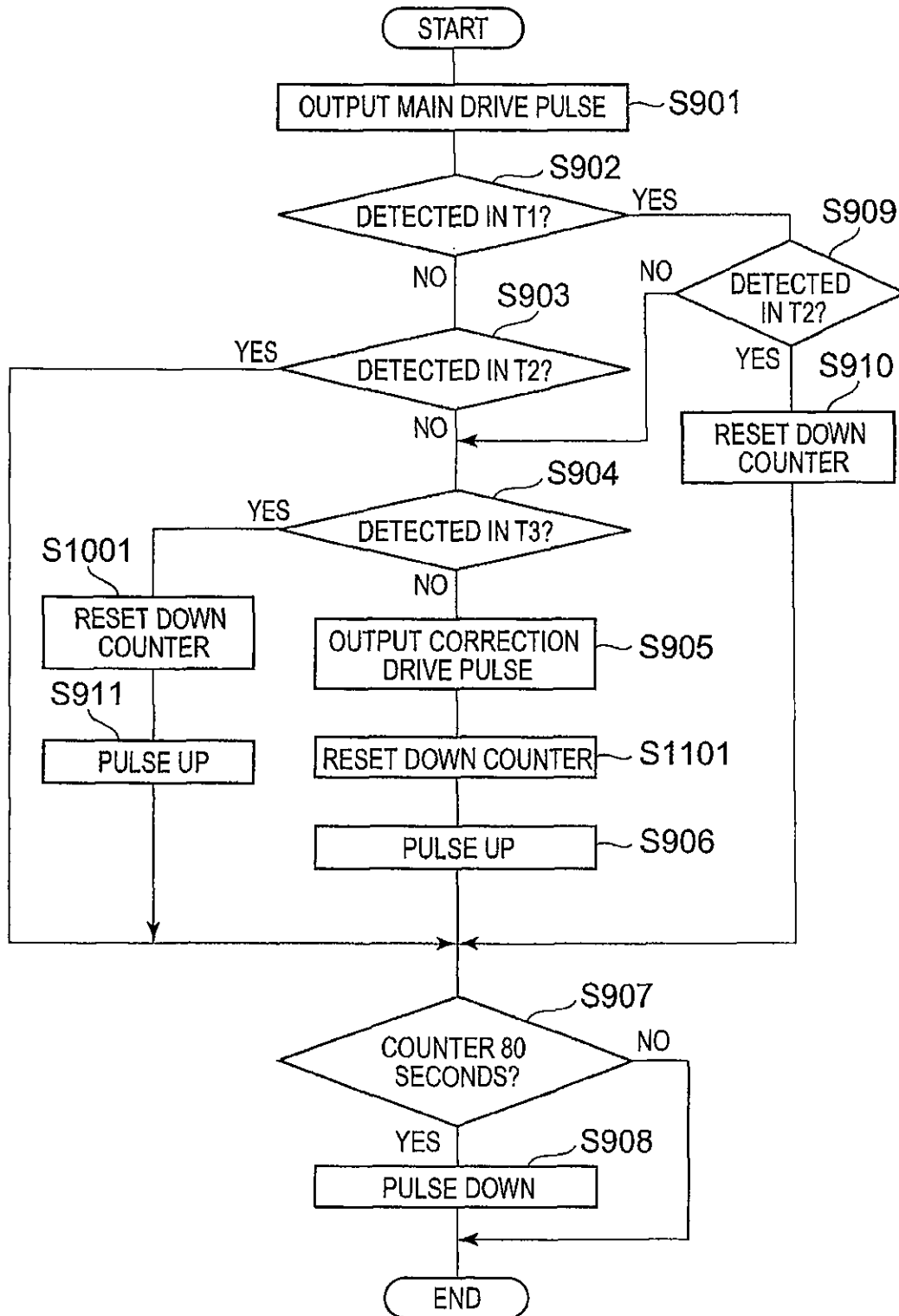


FIG. 12

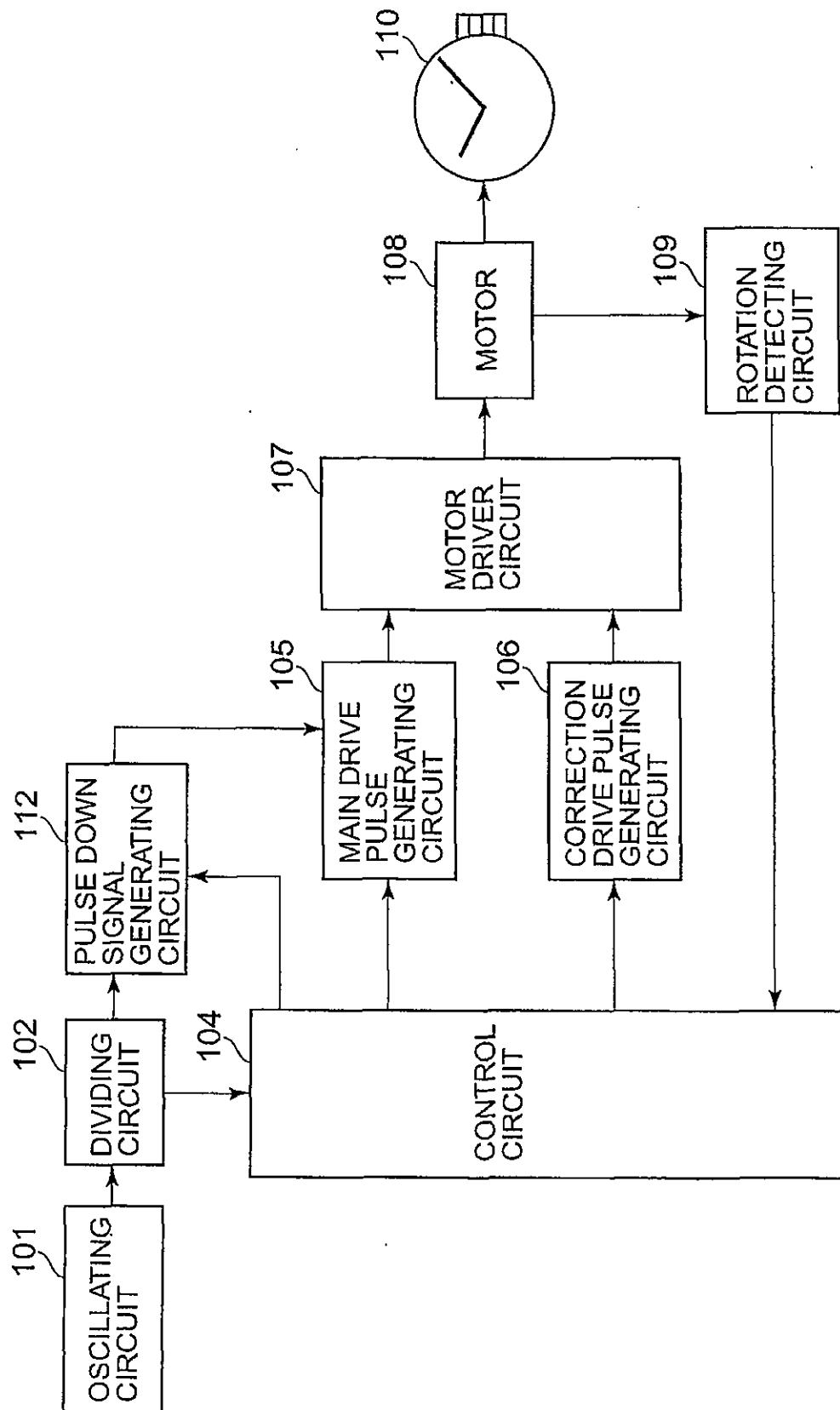


FIG. 13

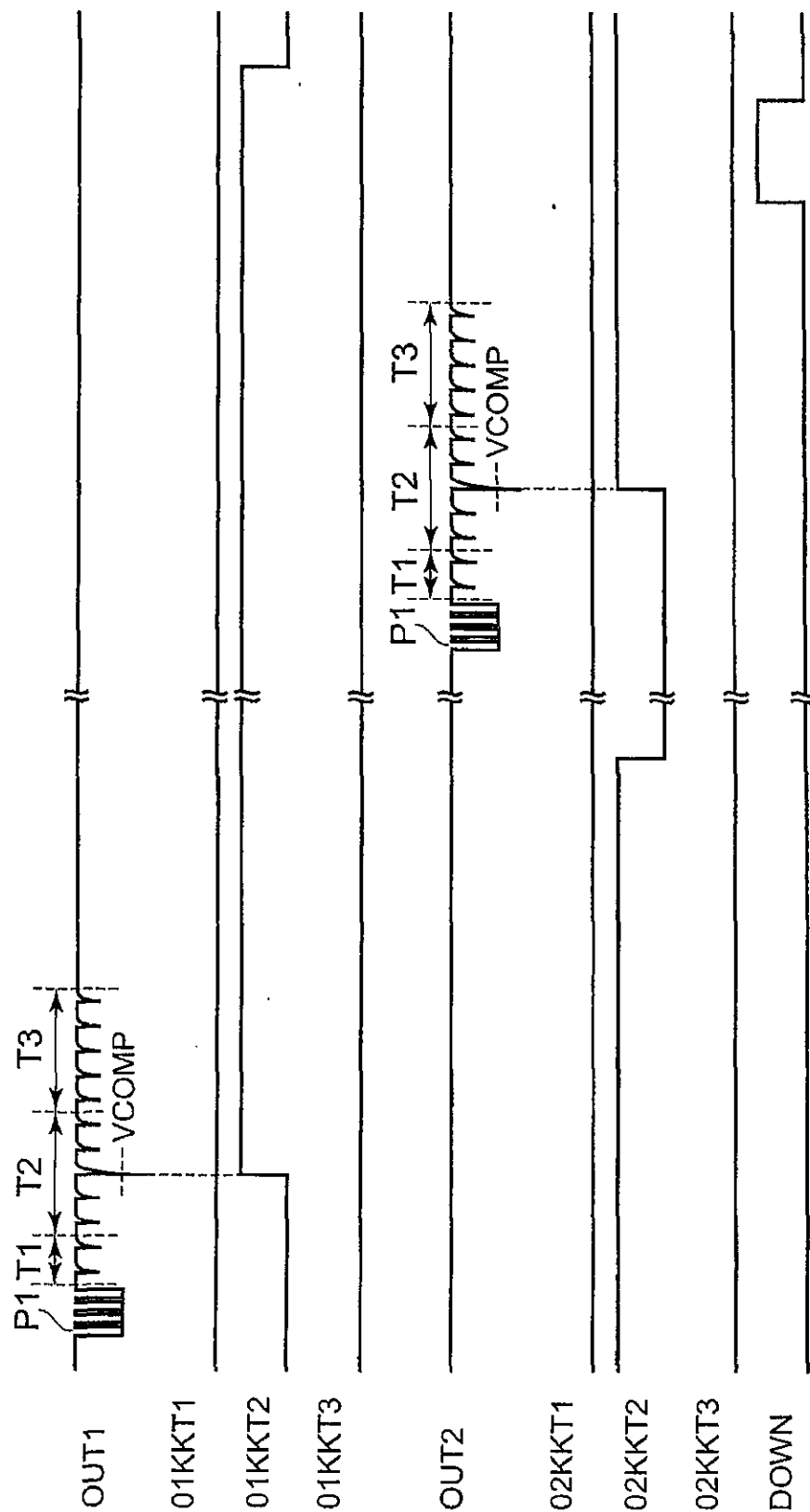


FIG. 14

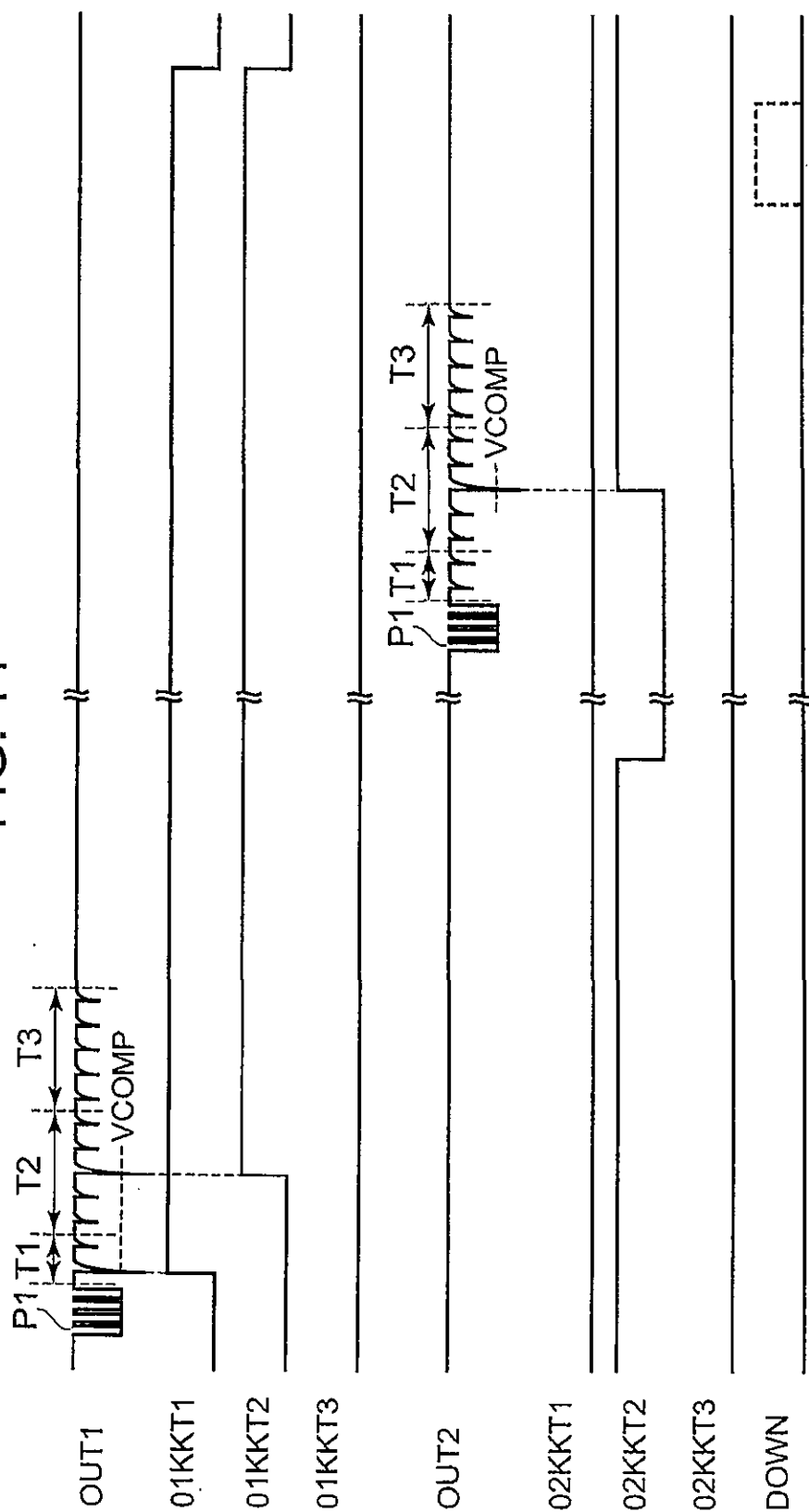


FIG. 15

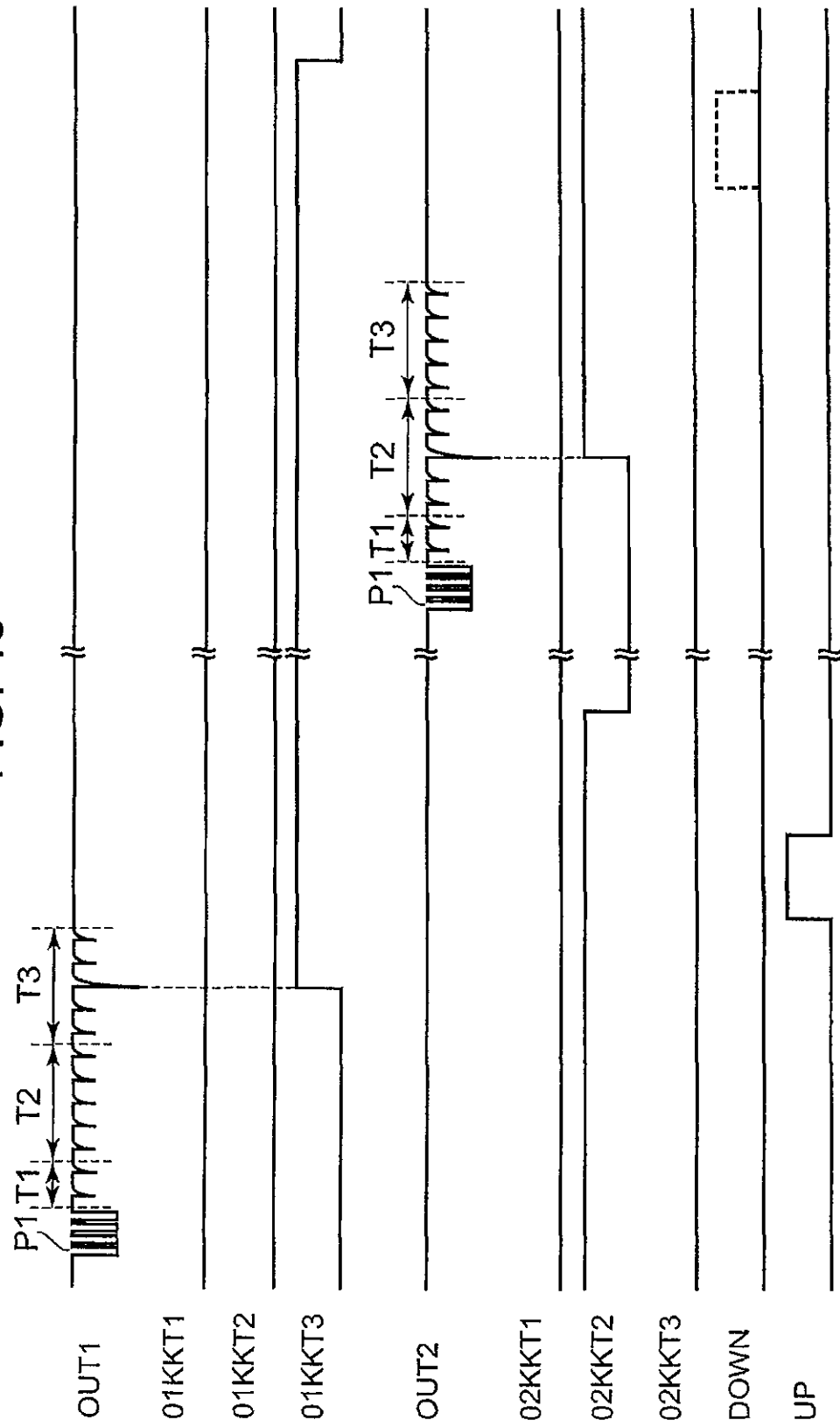


FIG. 16

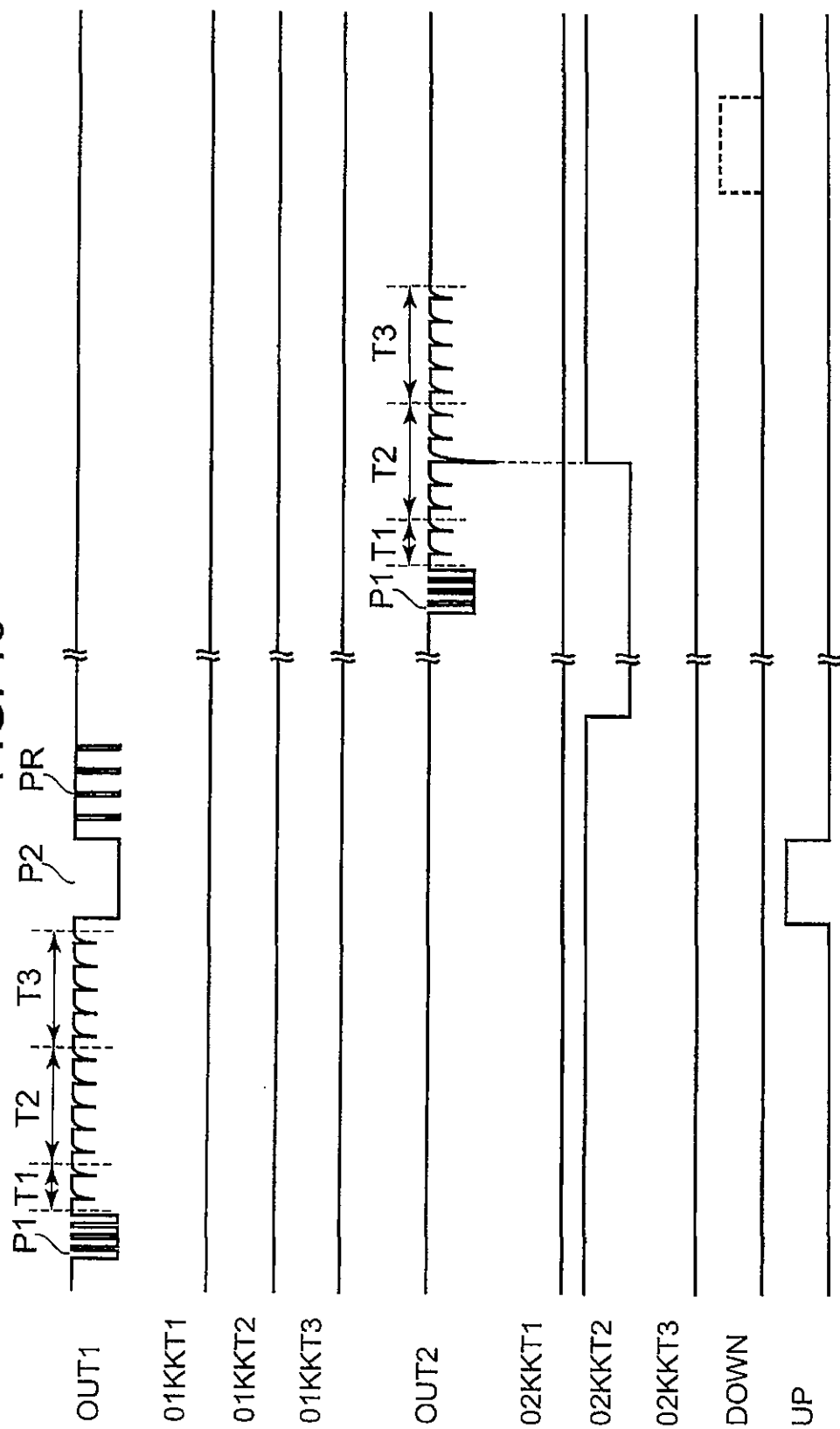


FIG. 17

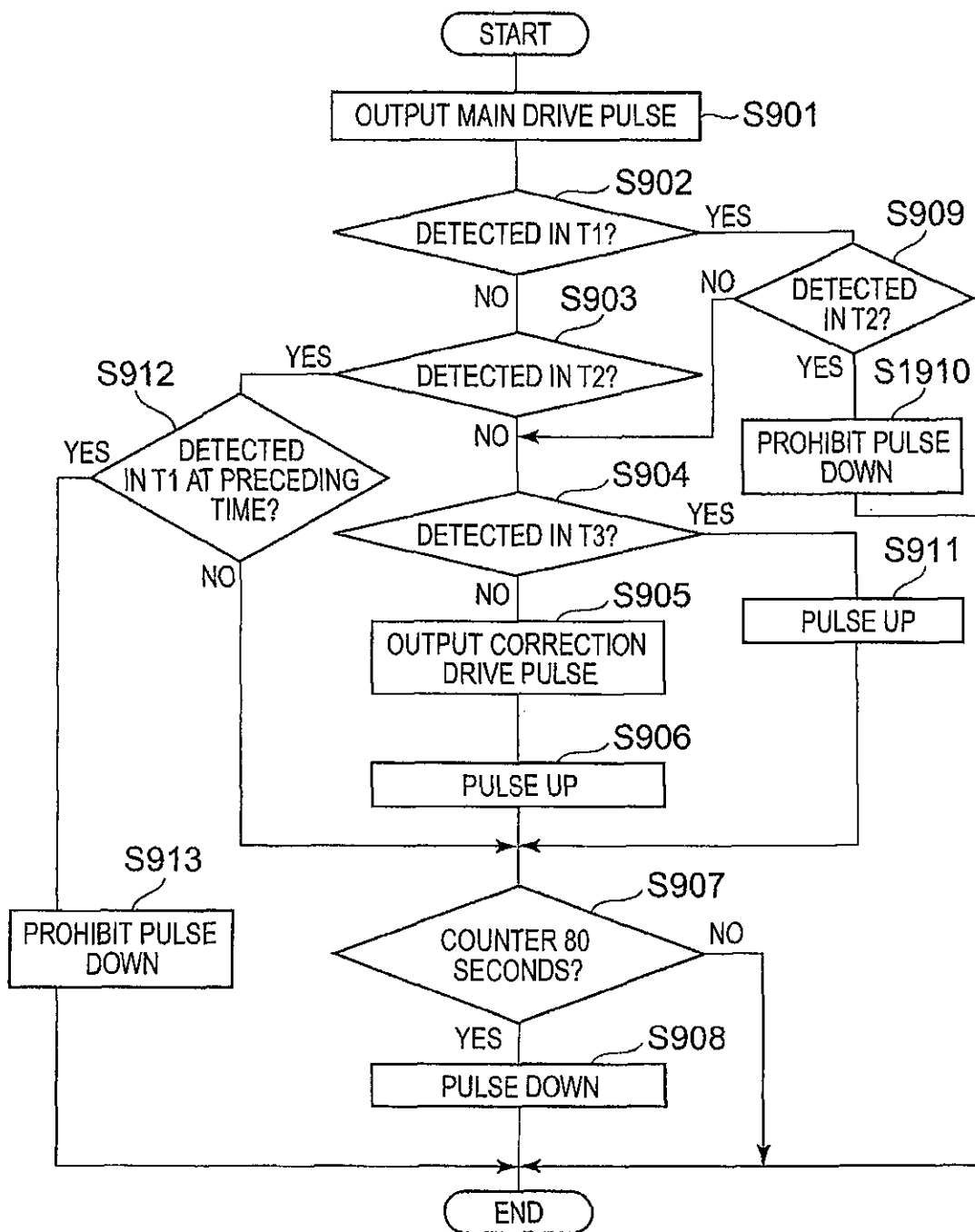


FIG. 18

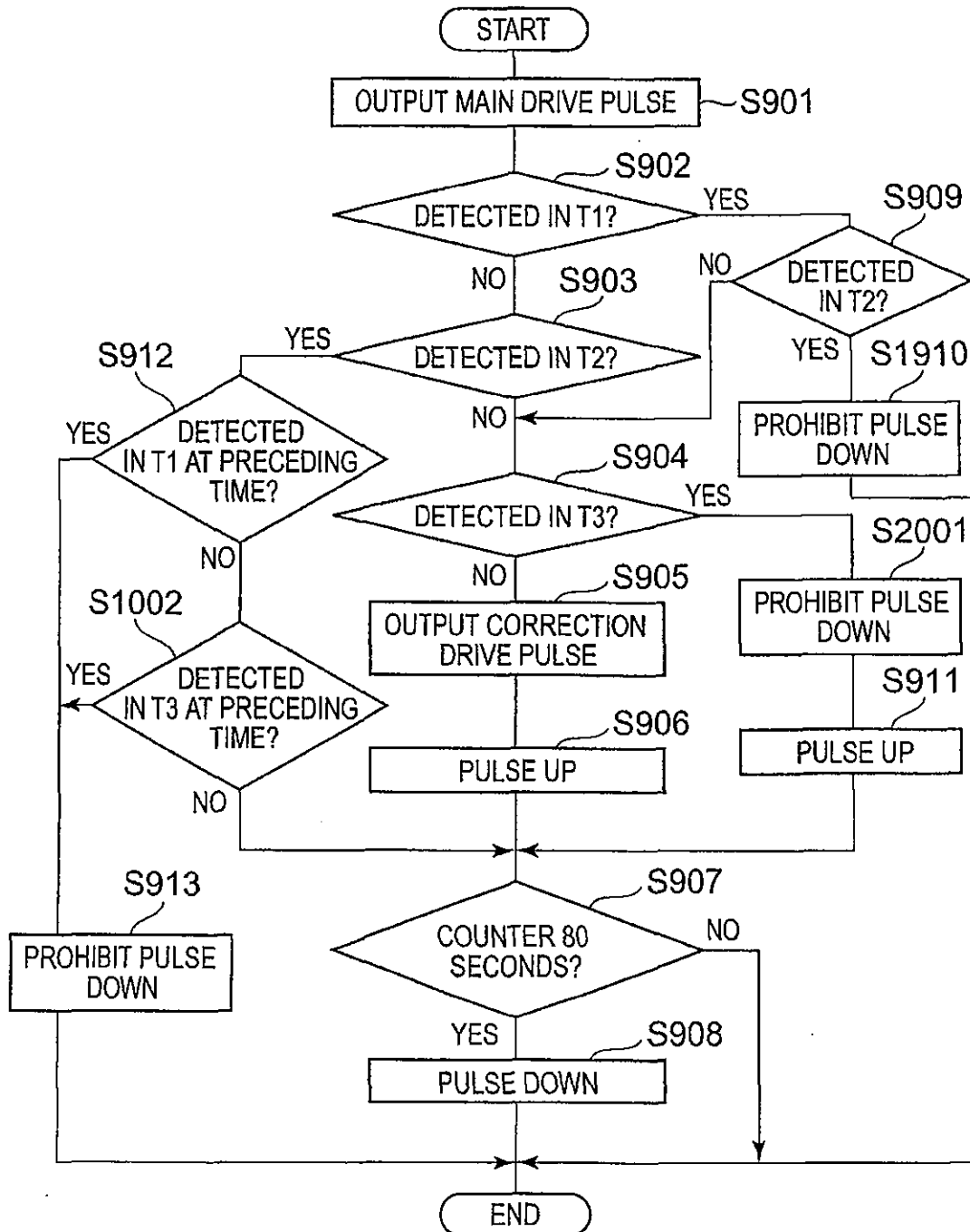


FIG. 19

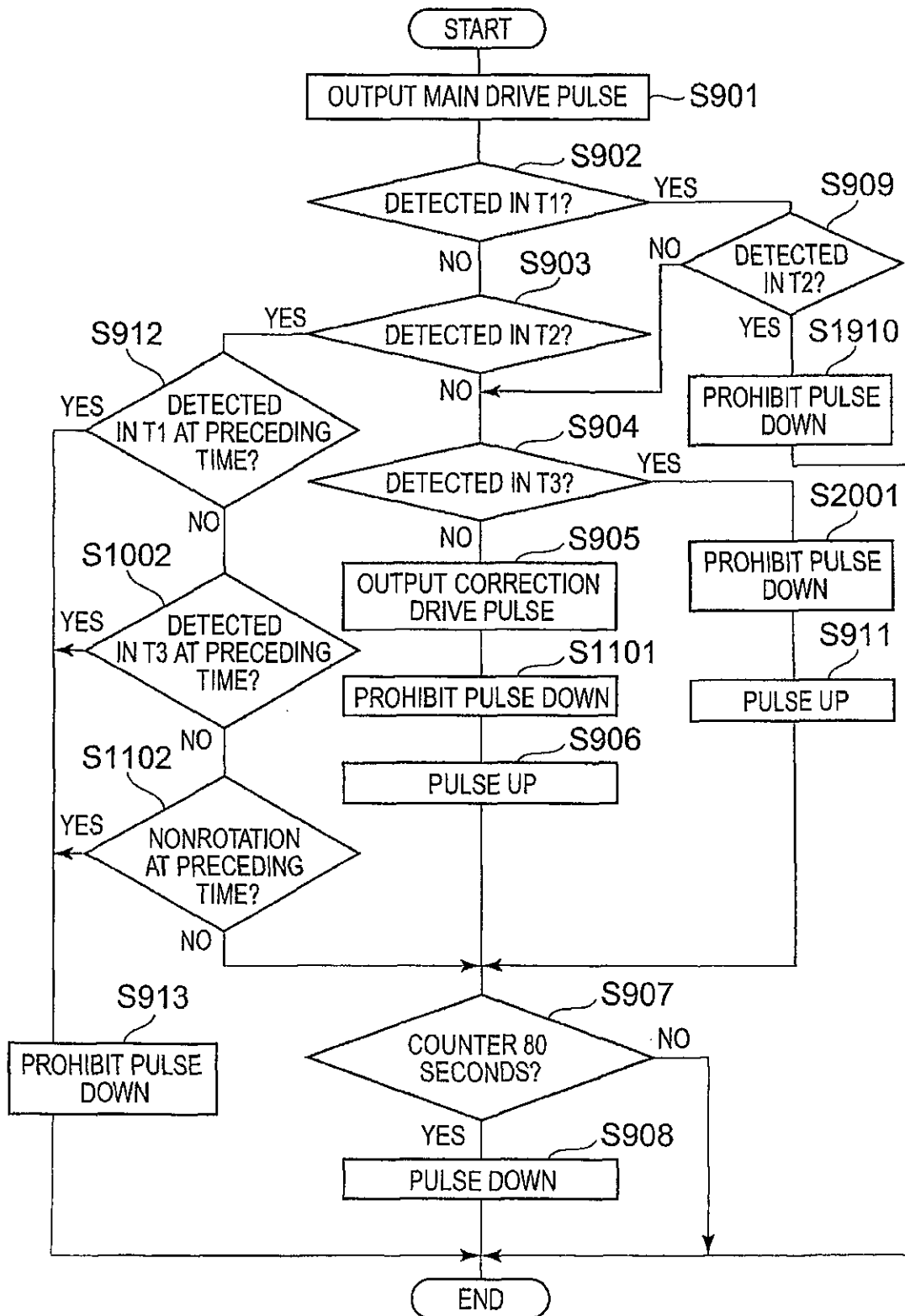


FIG. 20

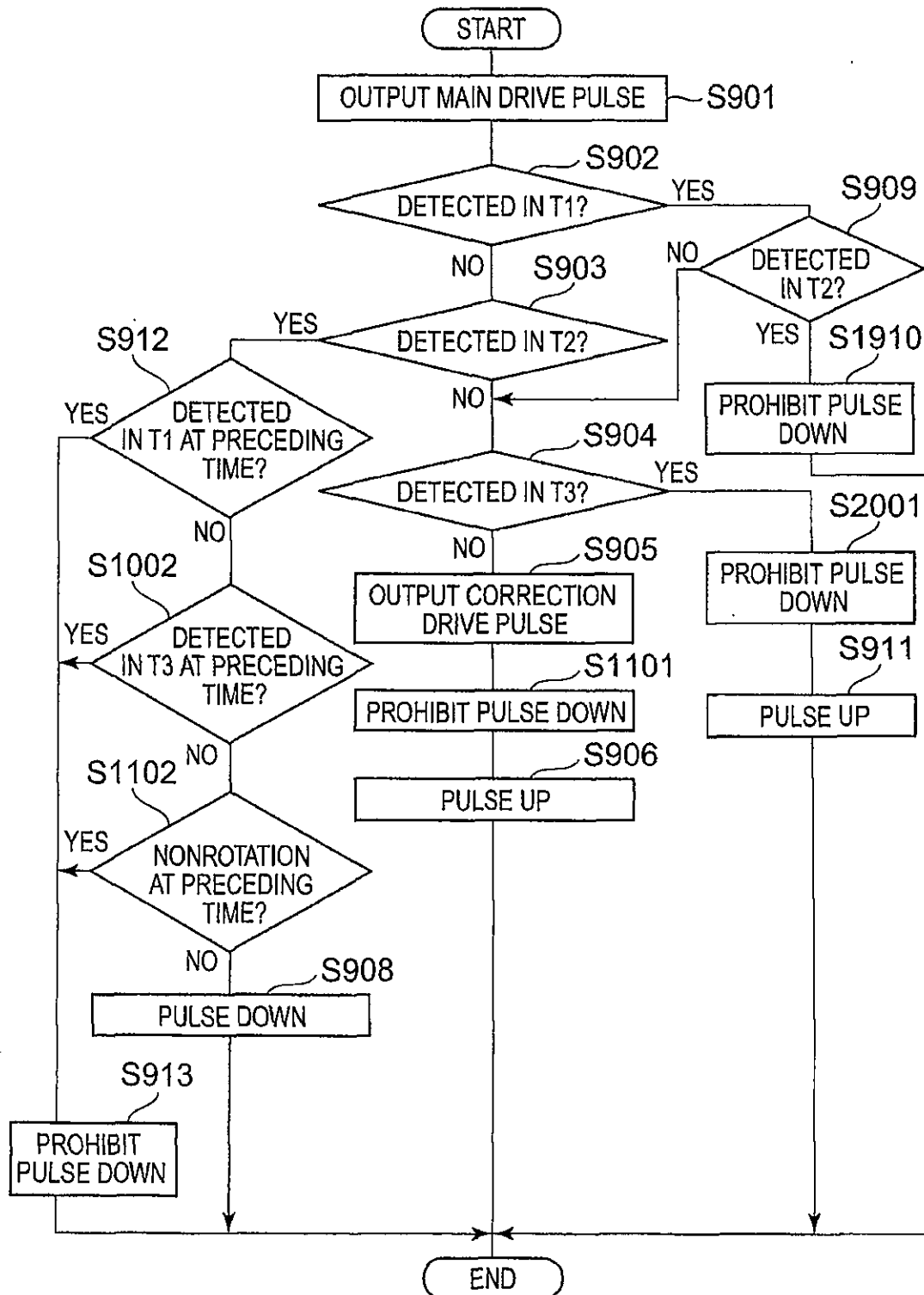


FIG. 21

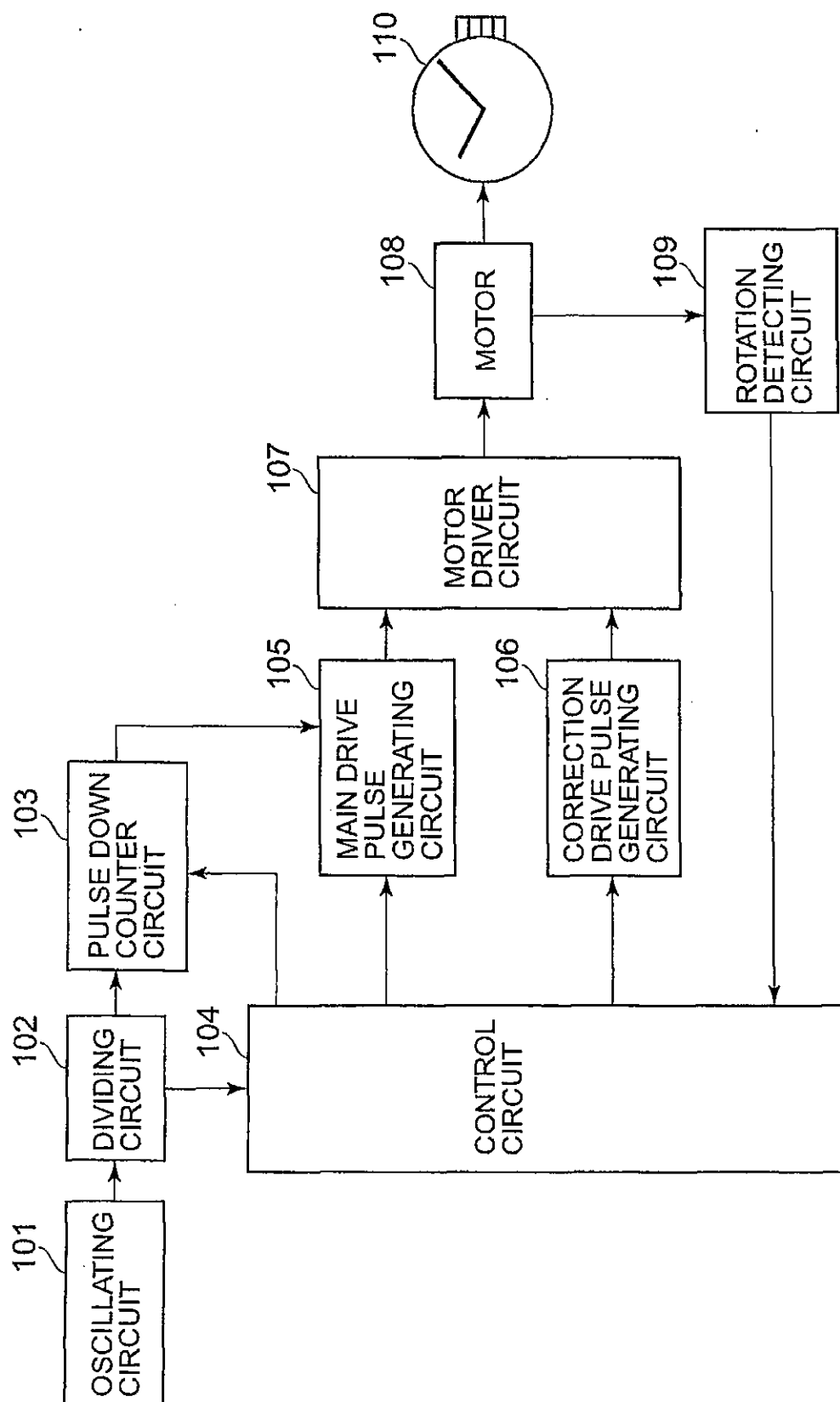


FIG. 22

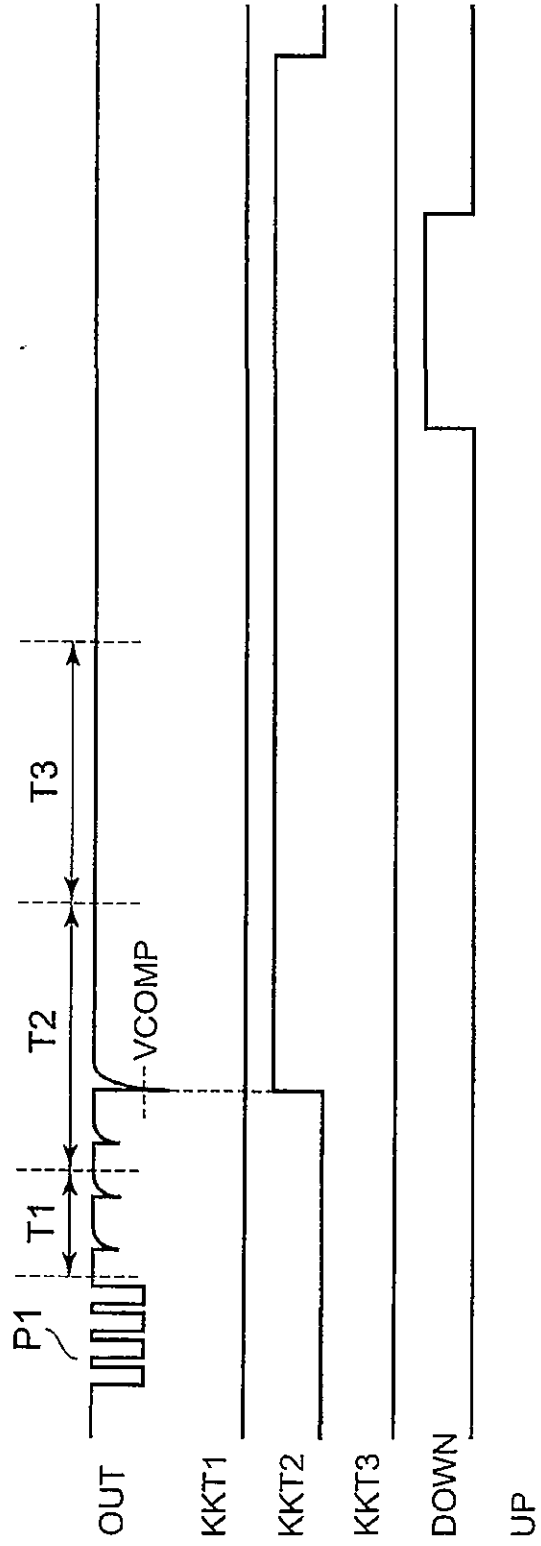


FIG. 23

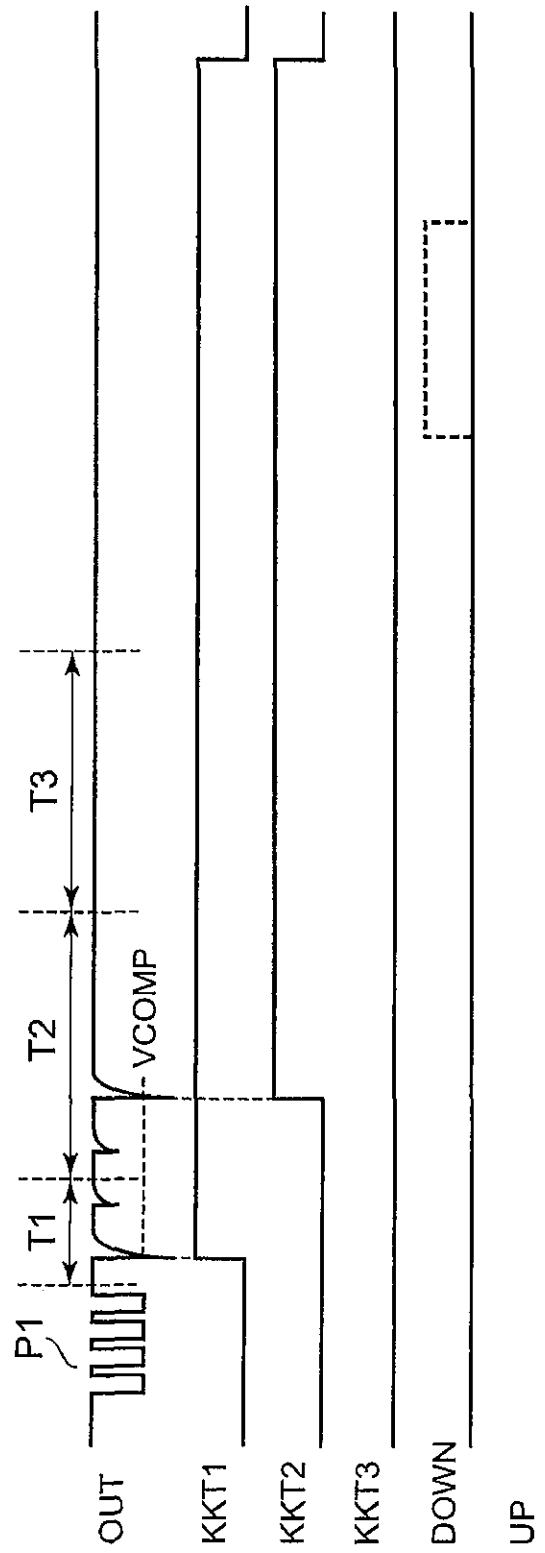


FIG. 24

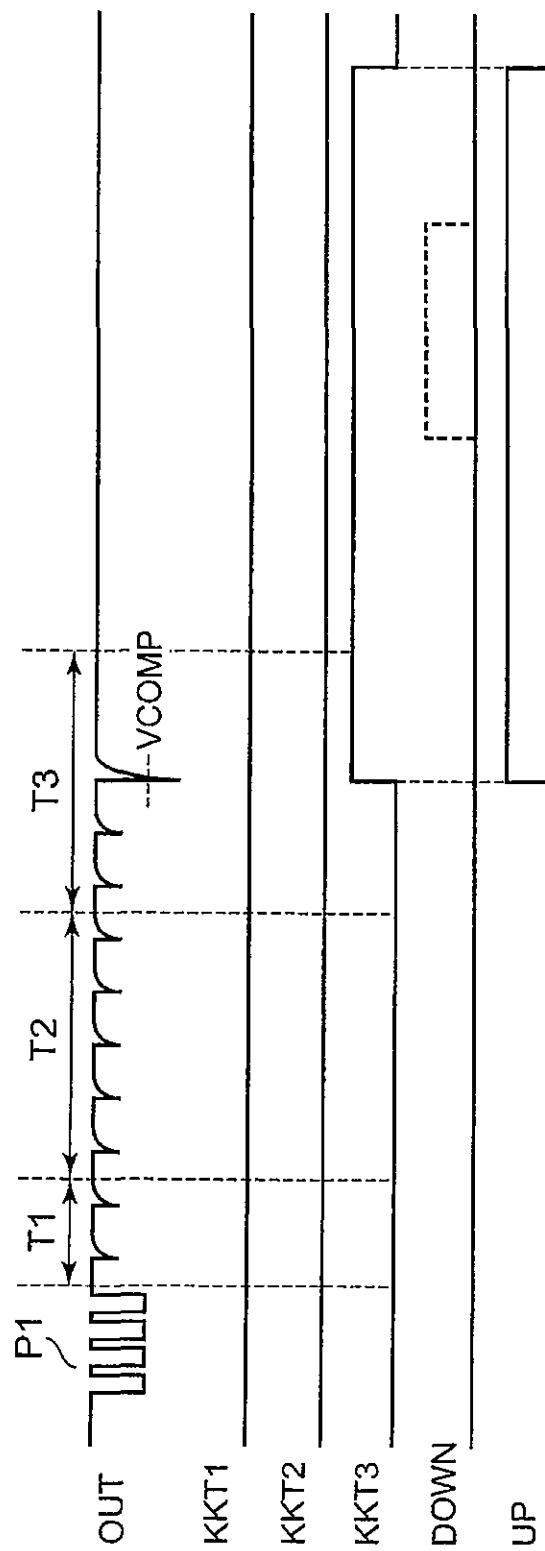


FIG. 25

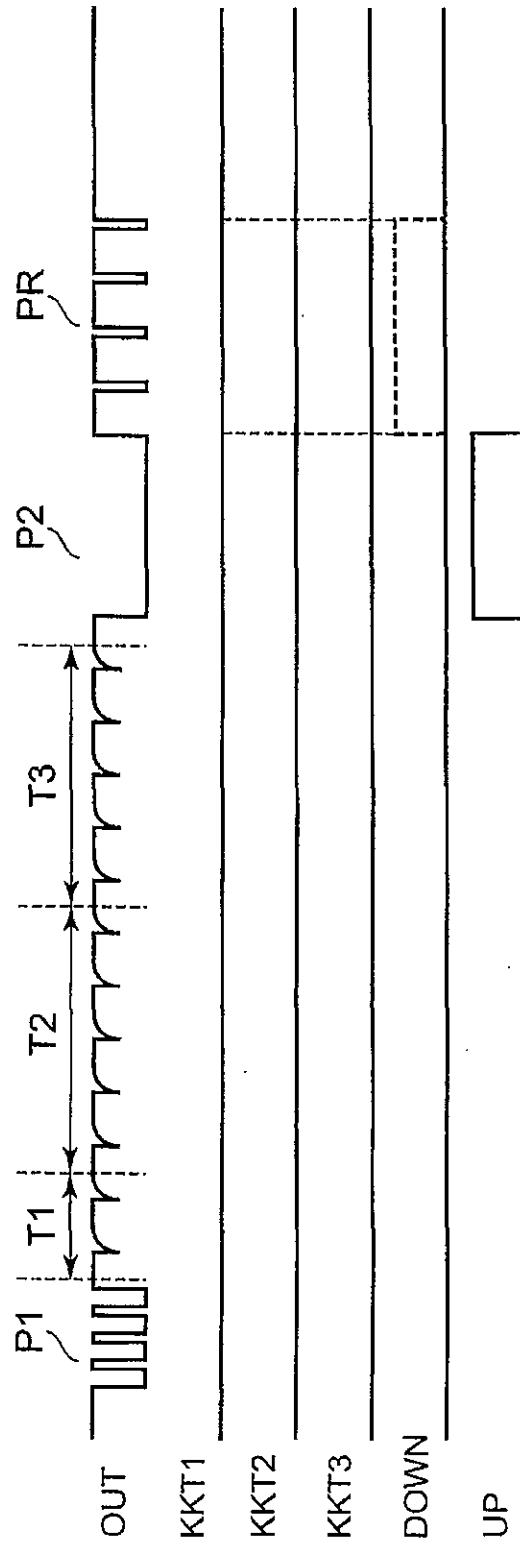


FIG. 26

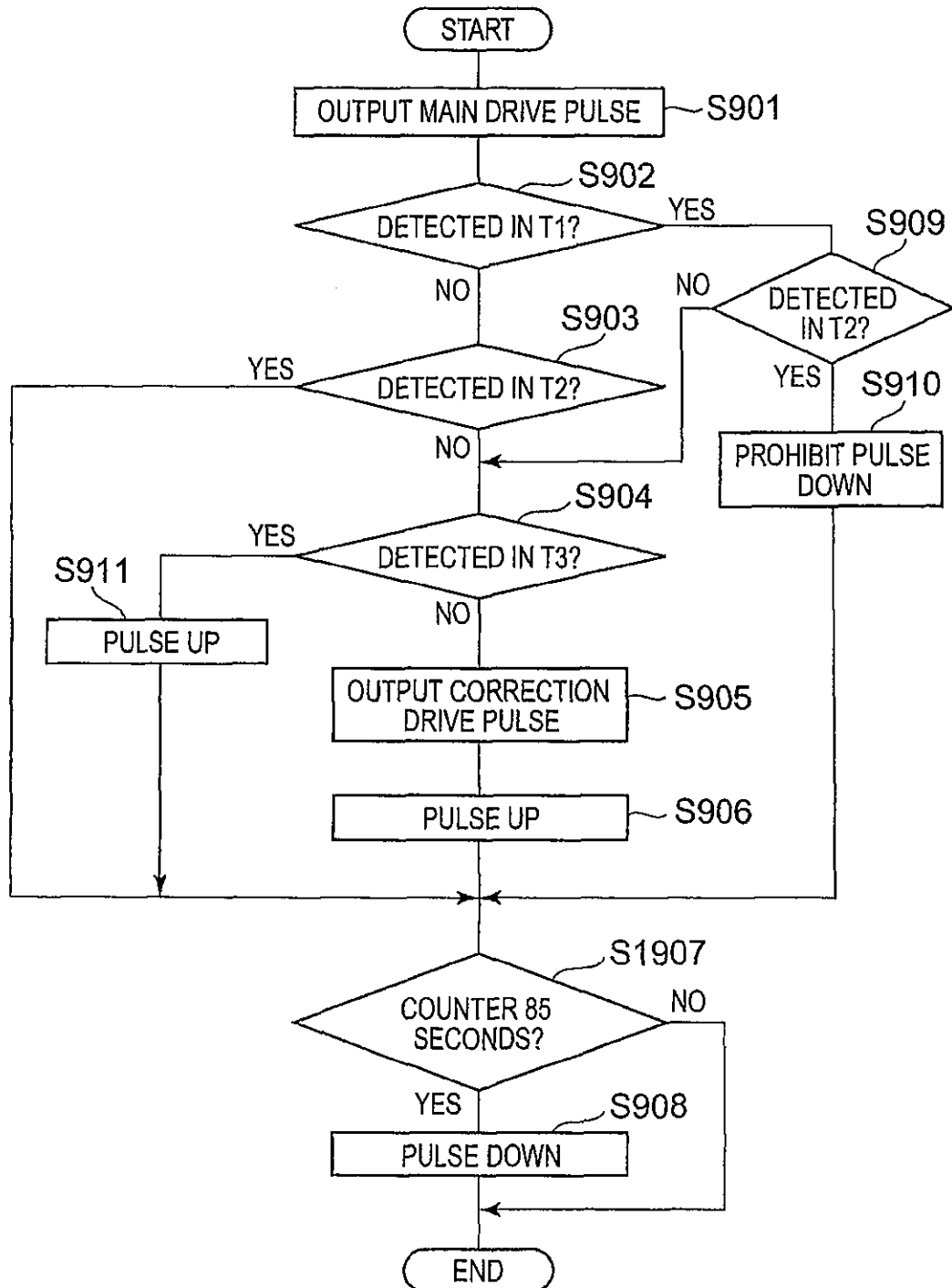


FIG. 27

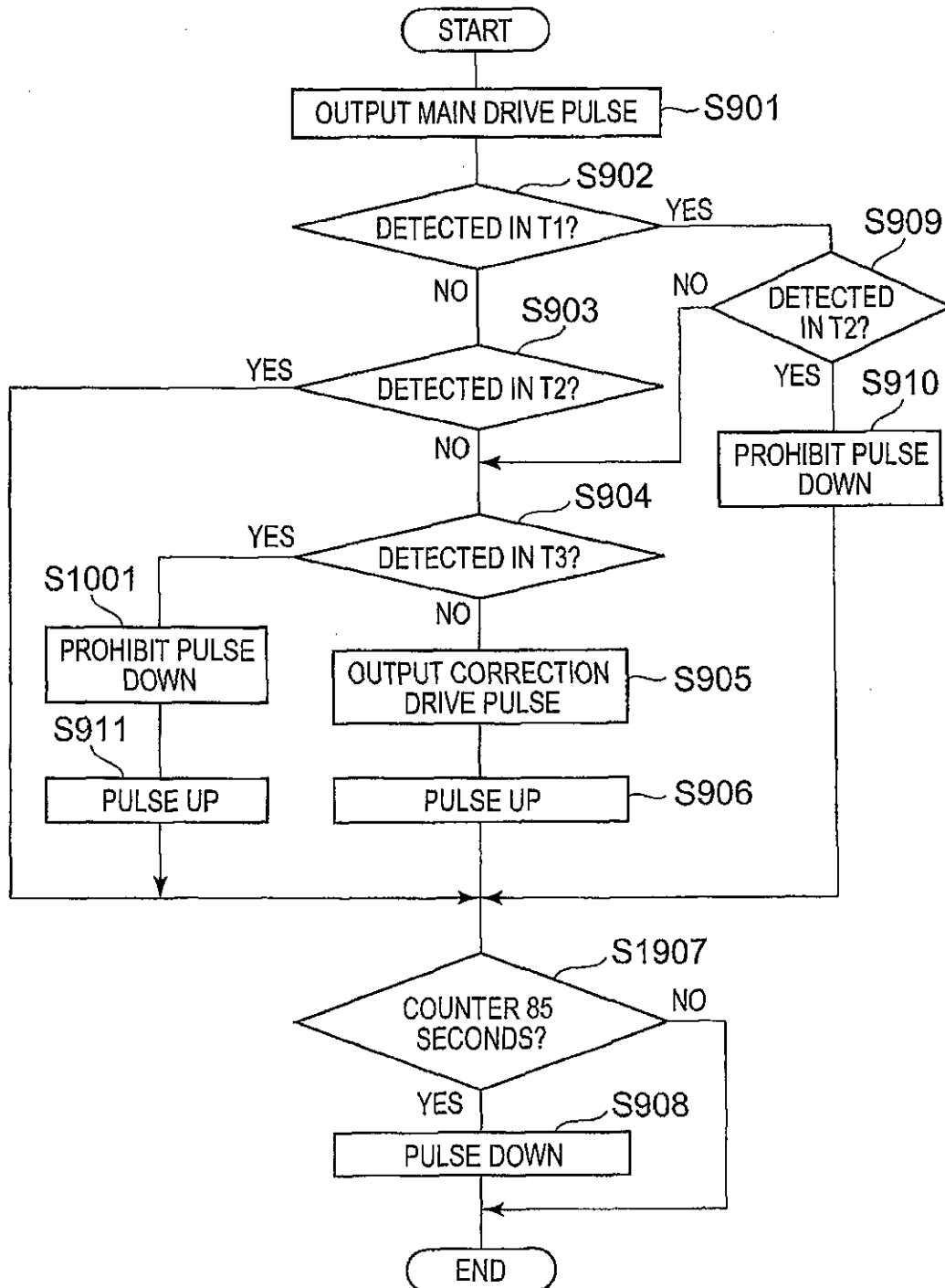


FIG. 28

