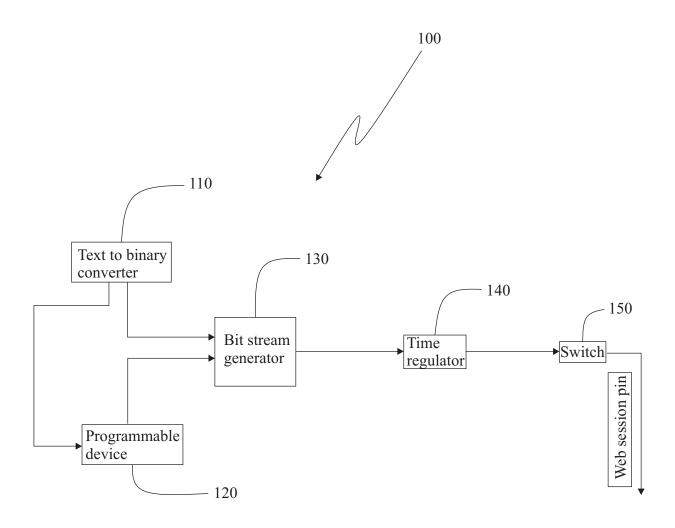
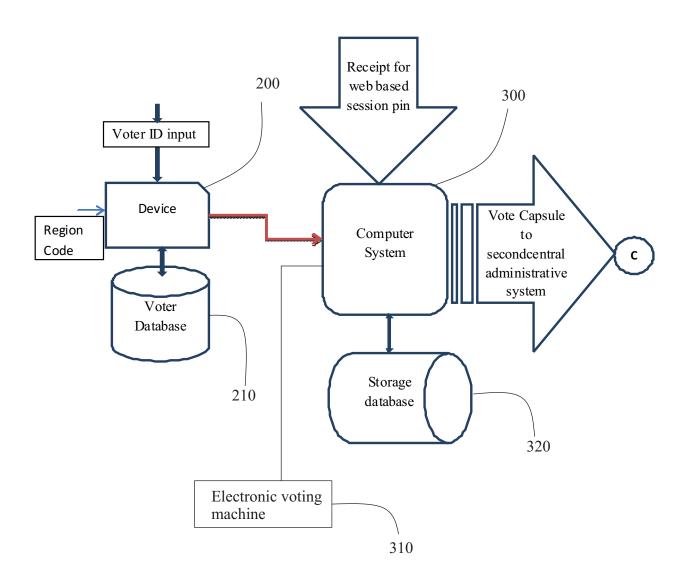


Sheet No: 1

Figure 1

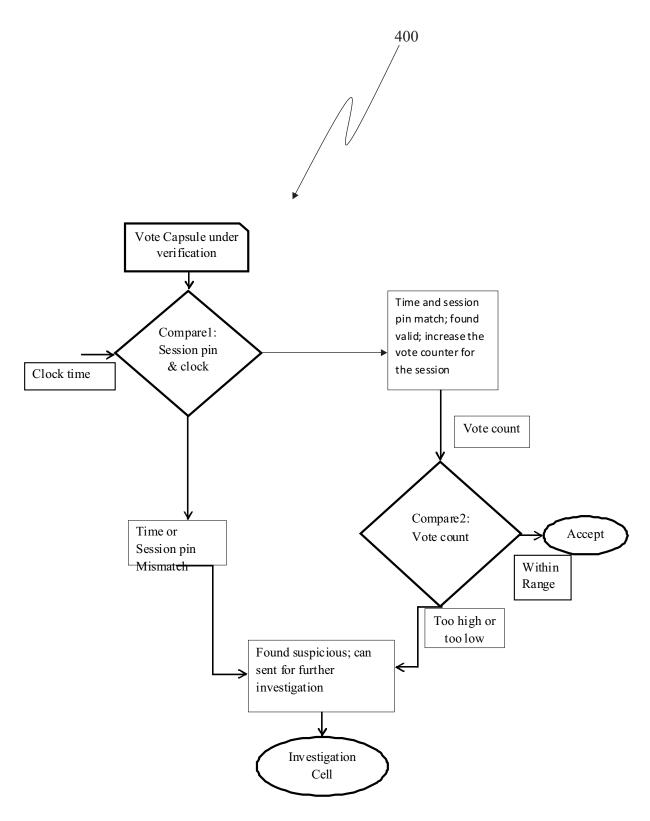


Sheet No: 2



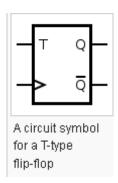
Sheet No: 3

Figure 3



Sheet No: 4

Figure 4

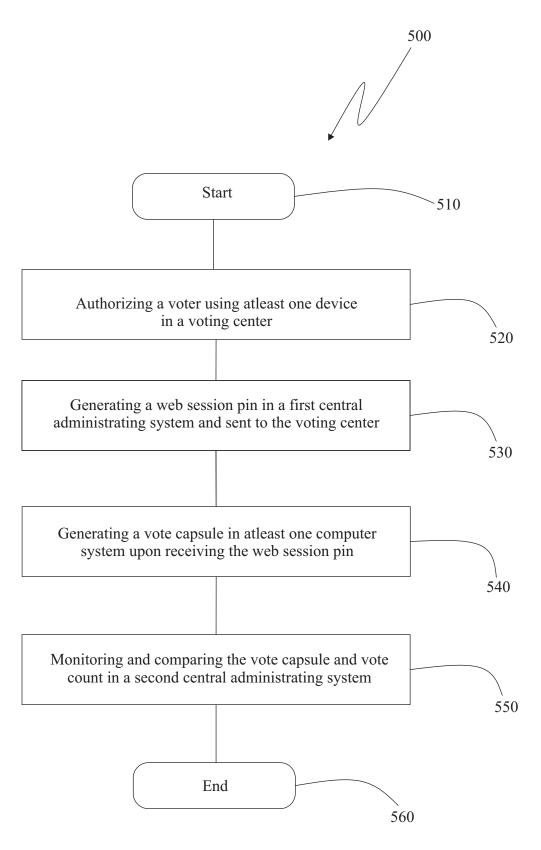


Sheet No : 5 Total No. of sheets : 7

Figure 5a

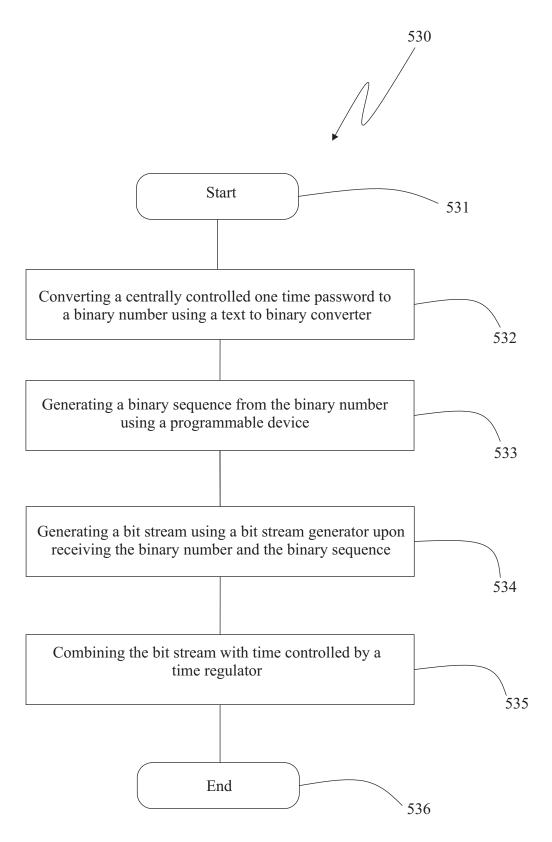
Characteristic table				Excitation table			
T	Q	Q_{next}	Comment	Q	Q_{next}	T	Comment
0	0	0	hold state (no clk)	0	0	0	No change
0	1	1	hold state (no clk)	1	1	0	No change
1	0	1	toggle	0	1	1	Complement
1	1	0	toggle	1	0	1	Complement

Figure 5b



Sheet No: 6

Figure 6



Sheet No: 7

Figure 7