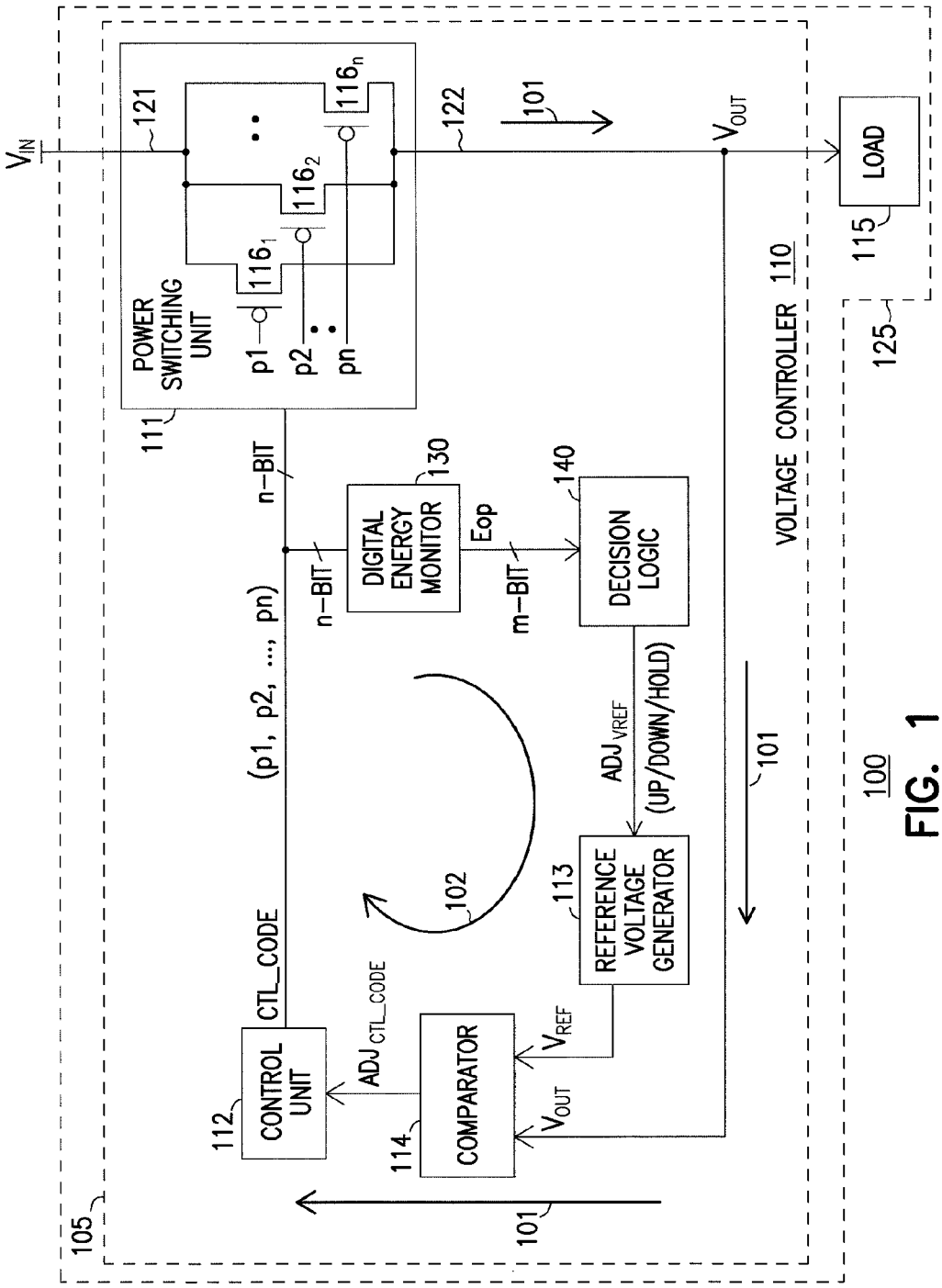
V_{IN}
121
POWER SWITCHING UNIT
116_1
116_2
116_n
p1
p2
pn
111
122
101
V_{OUT}
LOAD
115
125
VOLTAGE CONTROLLER 110
n-BIT
(p1, p2, ..., pn)
DIGITAL ENERGY MONITOR
130
Eop
m-BIT
DECISION LOGIC
140
ADJ_{VREF}
(UP/DOWN/HOLD)
REFERENCE VOLTAGE GENERATOR
113
102
CTL_CODE
ADJ_{CTL_CODE}
CONTROL UNIT
112
COMPARATOR
114
V_{REF}
V_{OUT}
105
100

FIG. 1