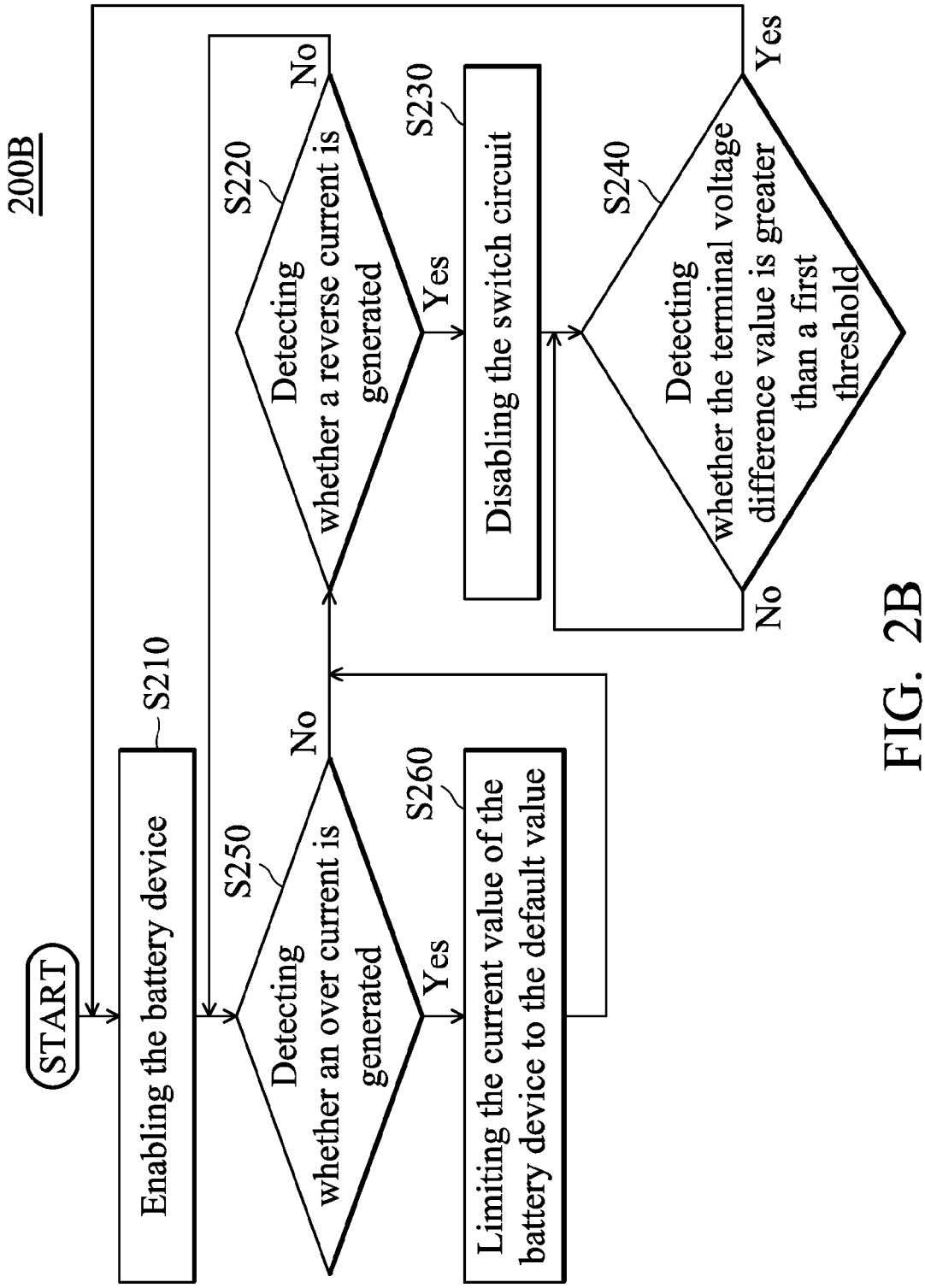
200B
START
Enabling the battery device
S210
Detecting whether an over current is generated
S250
No
Yes
Limiting the current value of the battery device to the default value
S260
Detecting whether a reverse current is generated
S220
No
Yes
Disabling the switch circuit
S230
Detecting whether the terminal voltage difference value is greater than a first threshold
S240
No
Yes

FIG. 2B