

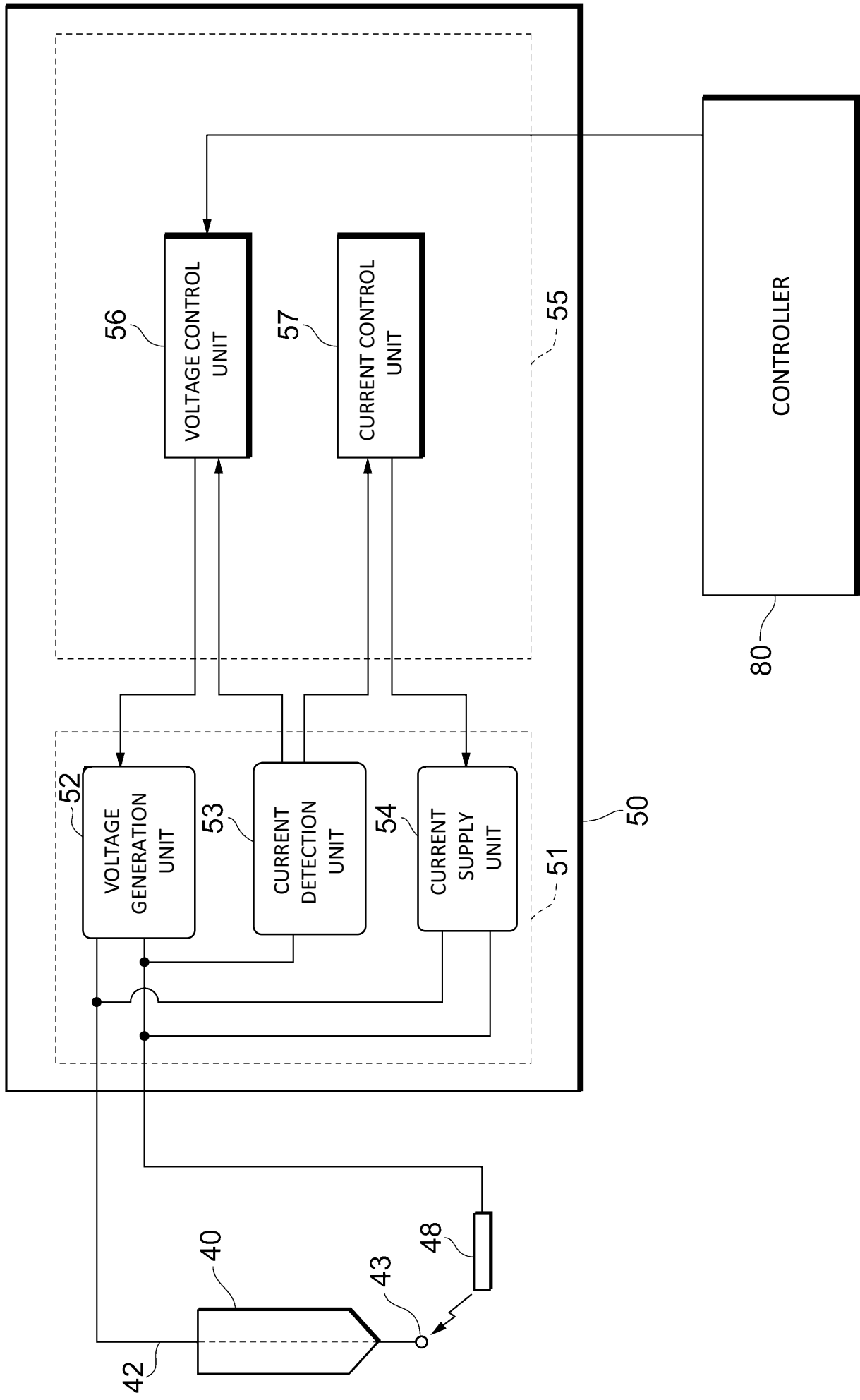


FIG. 2

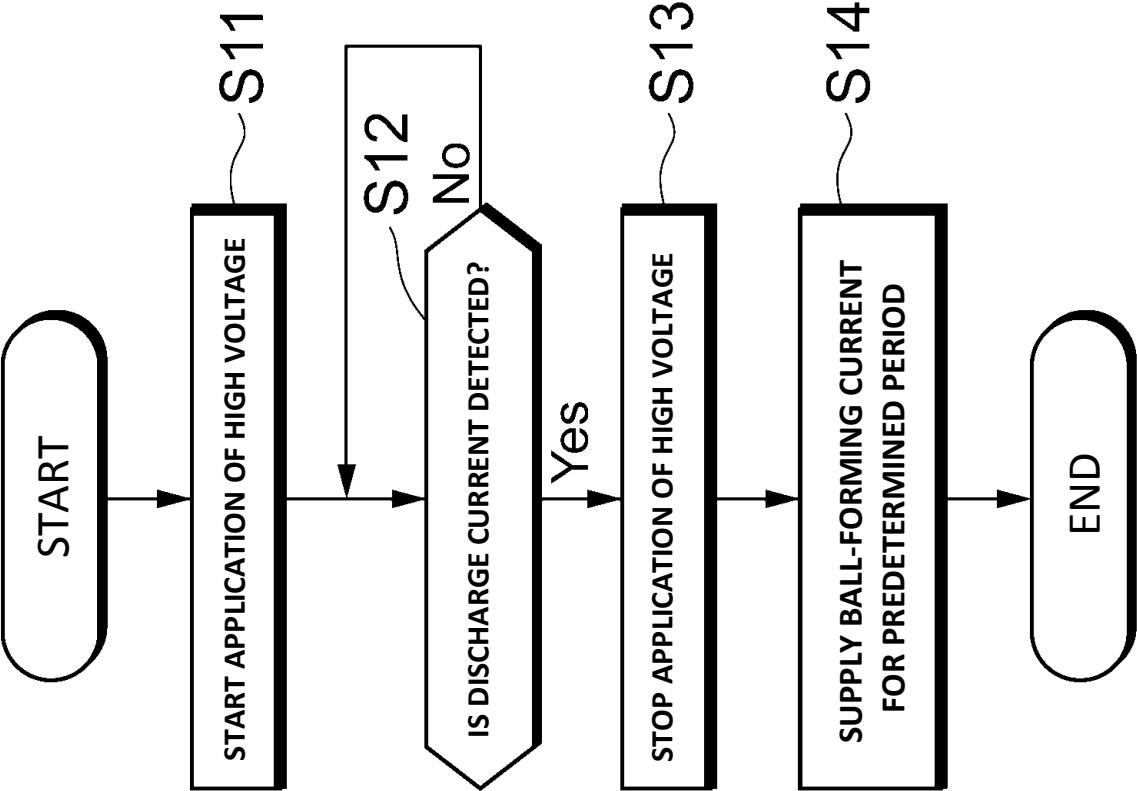
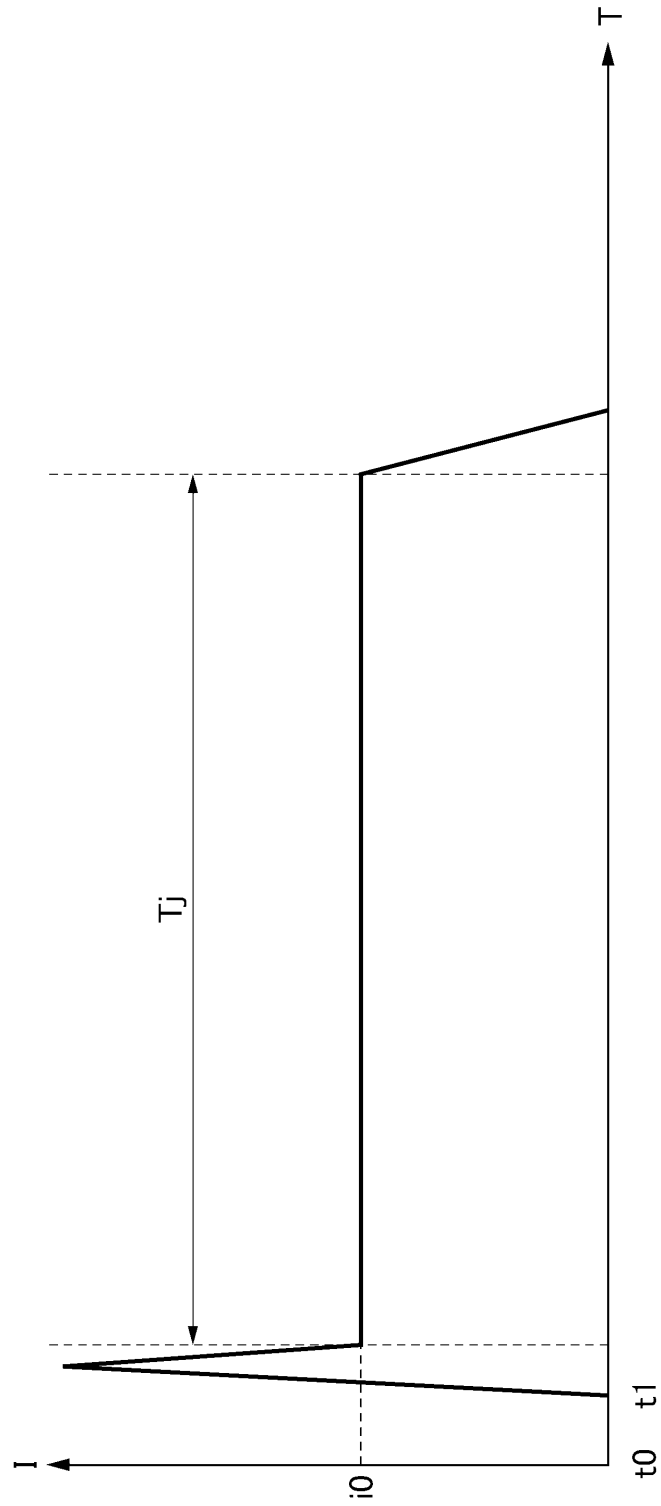


FIG. 3



CURRENT BETWEEN
TORCH ELECTRODE 48
AND TIP OF WIRE 42

FIG. 4

FIG. 5 (A)

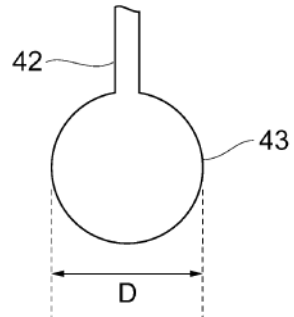


FIG. 5 (B)

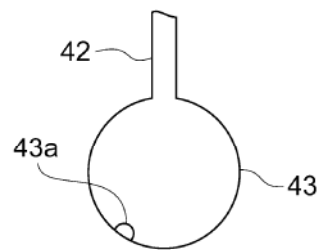


FIG. 5 (C)

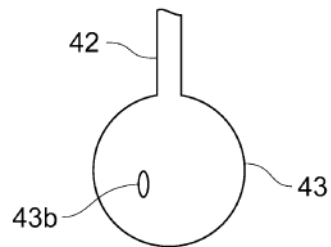
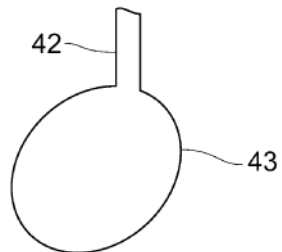


FIG. 5 (D)



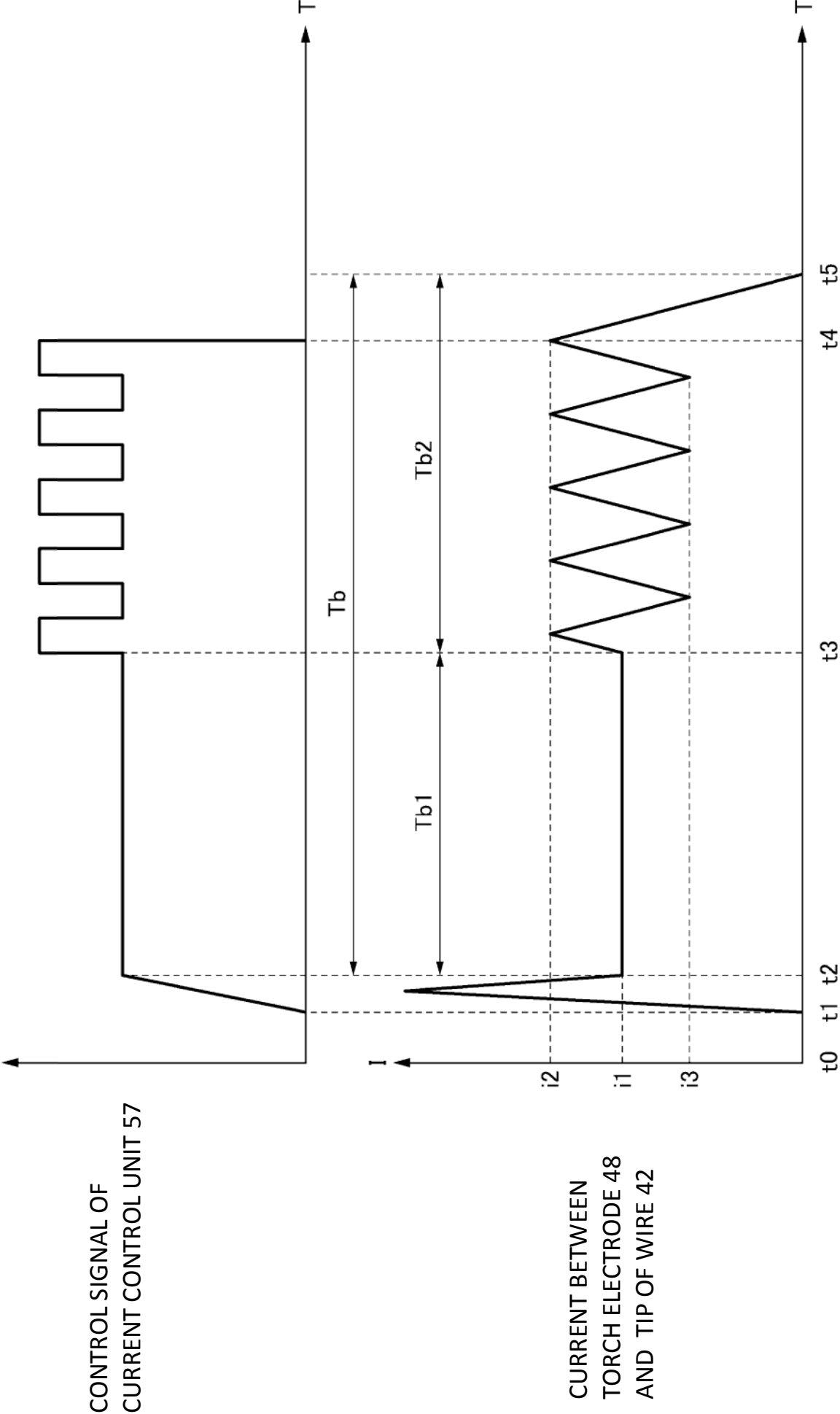
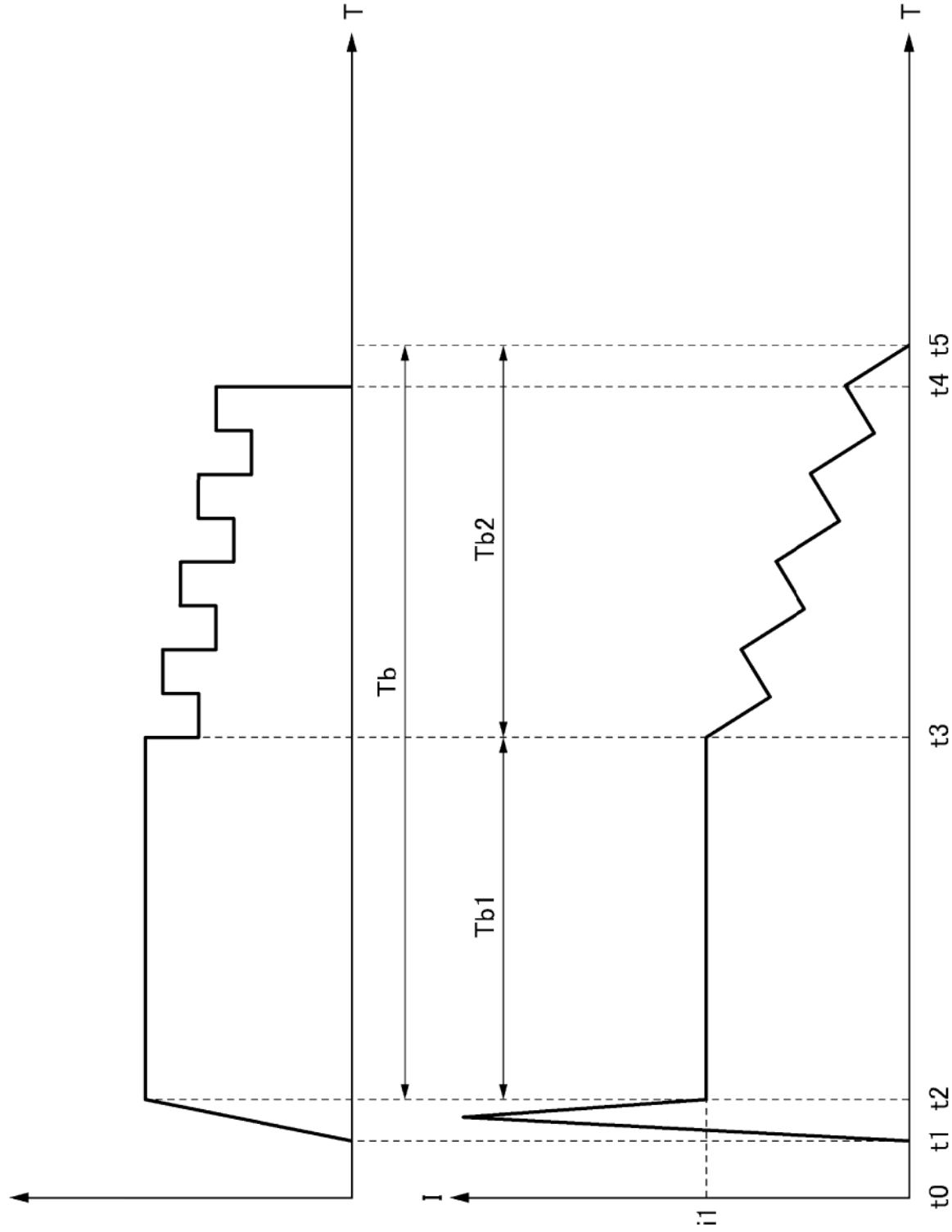


FIG. 6



CONTROL SIGNAL OF
CURRENT CONTROL UNIT 57

CURRENT BETWEEN
TORCH ELECTRODE 48
AND TIP OF WIRE 42

FIG. 7