

FIG.1

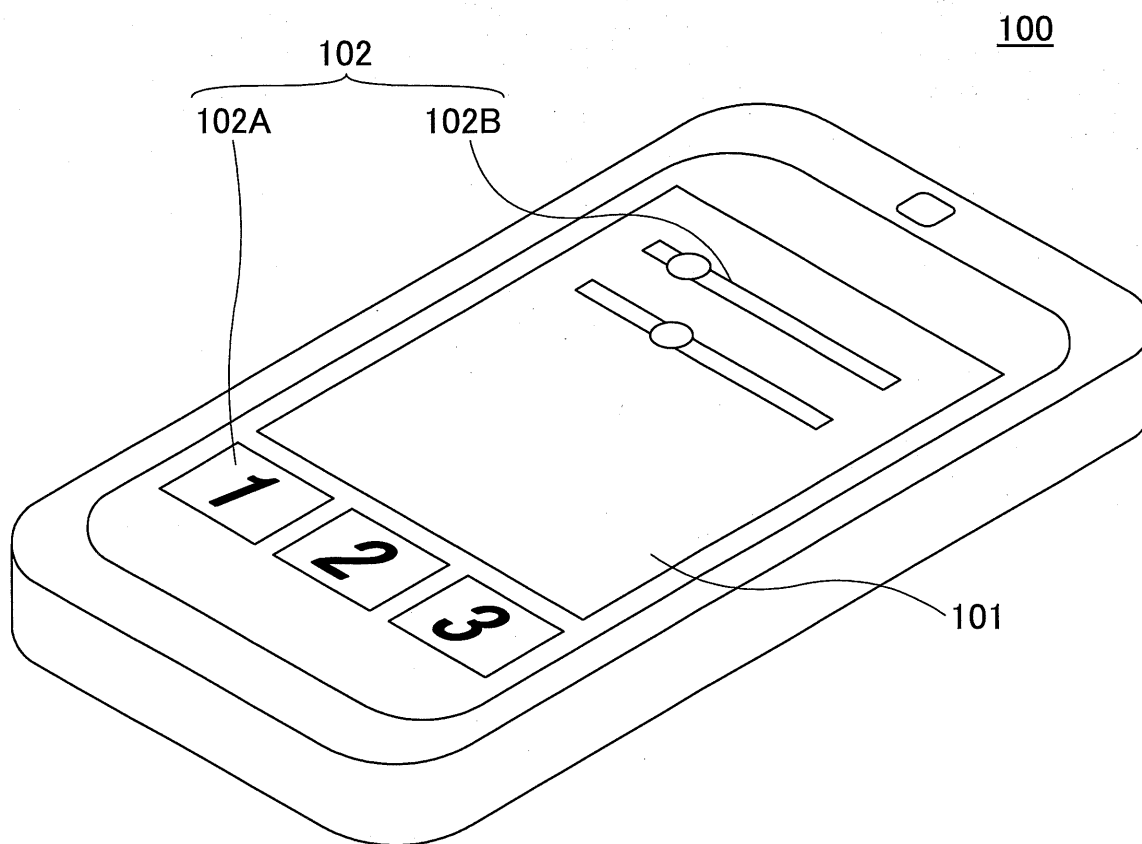


FIG.2

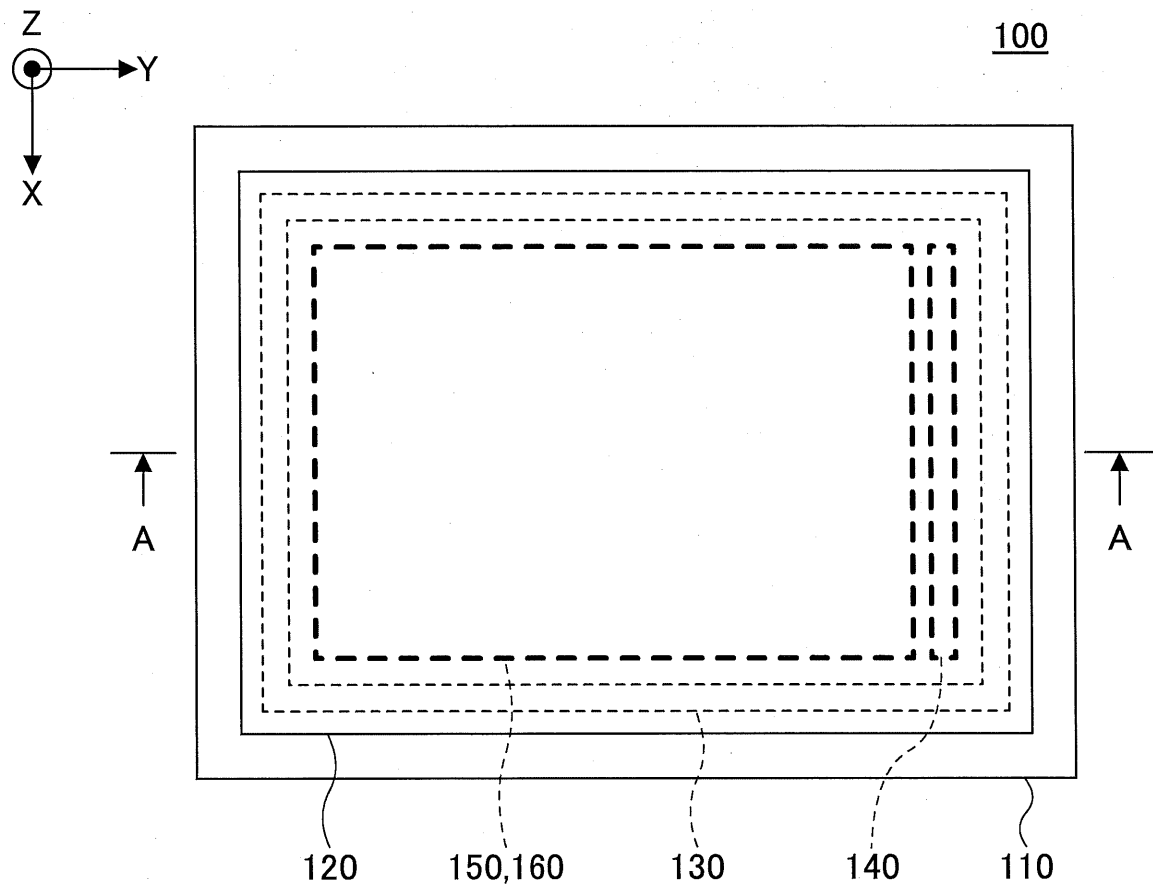


FIG.3

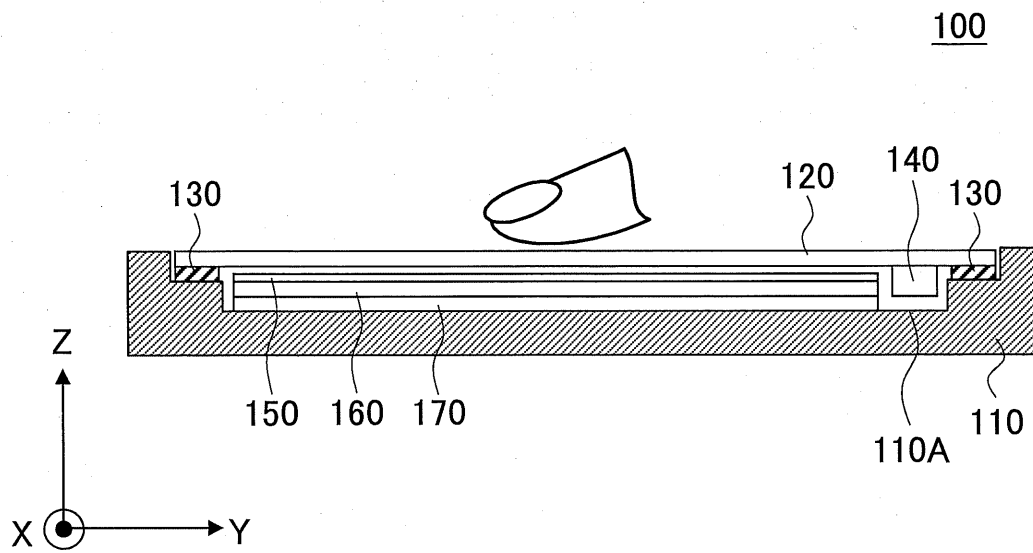


FIG.4

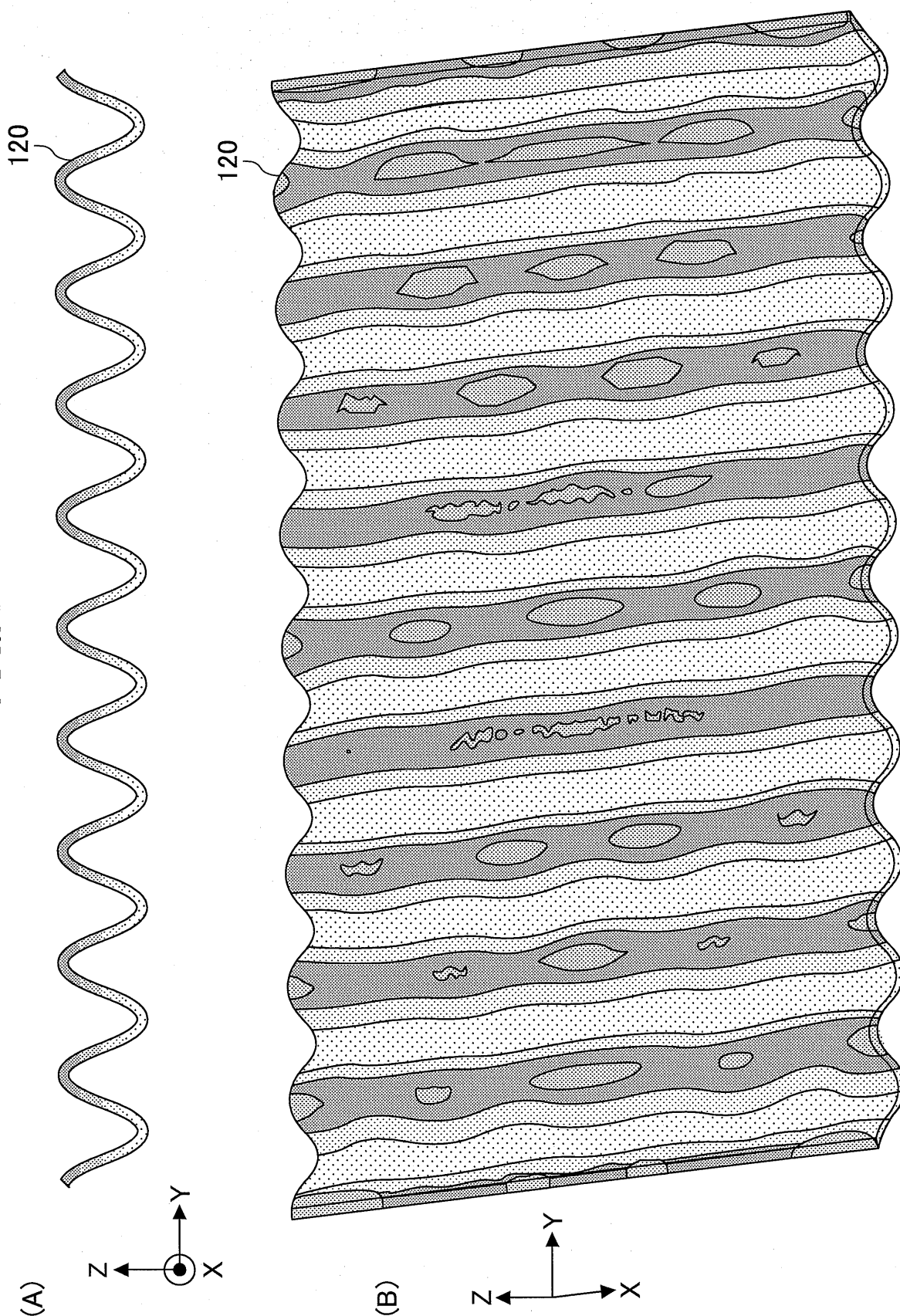
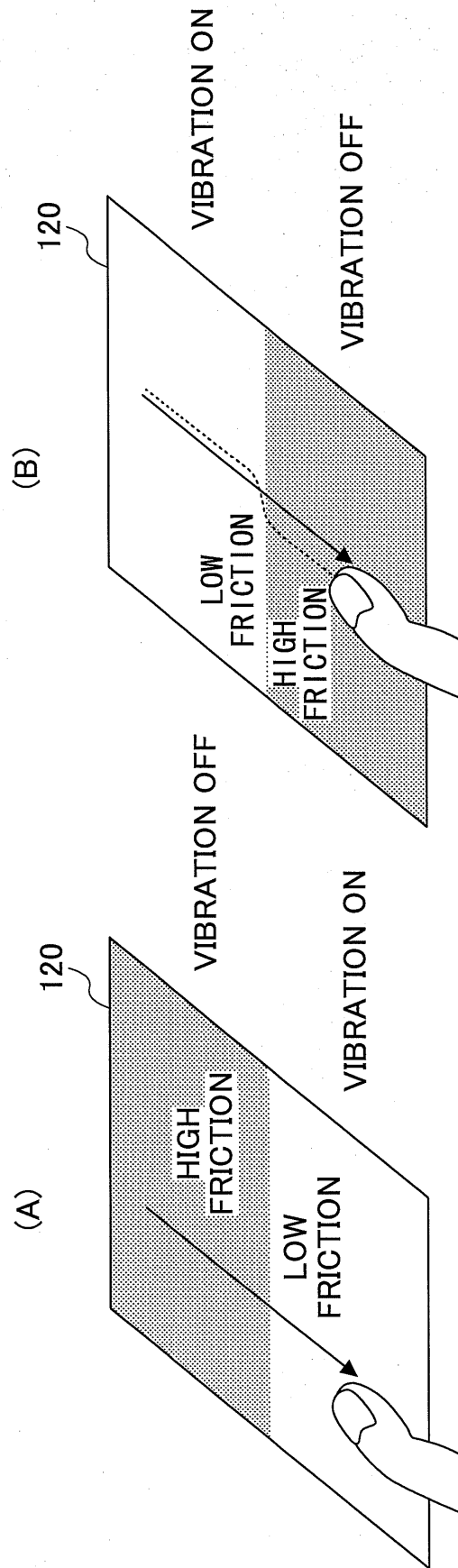


FIG.5



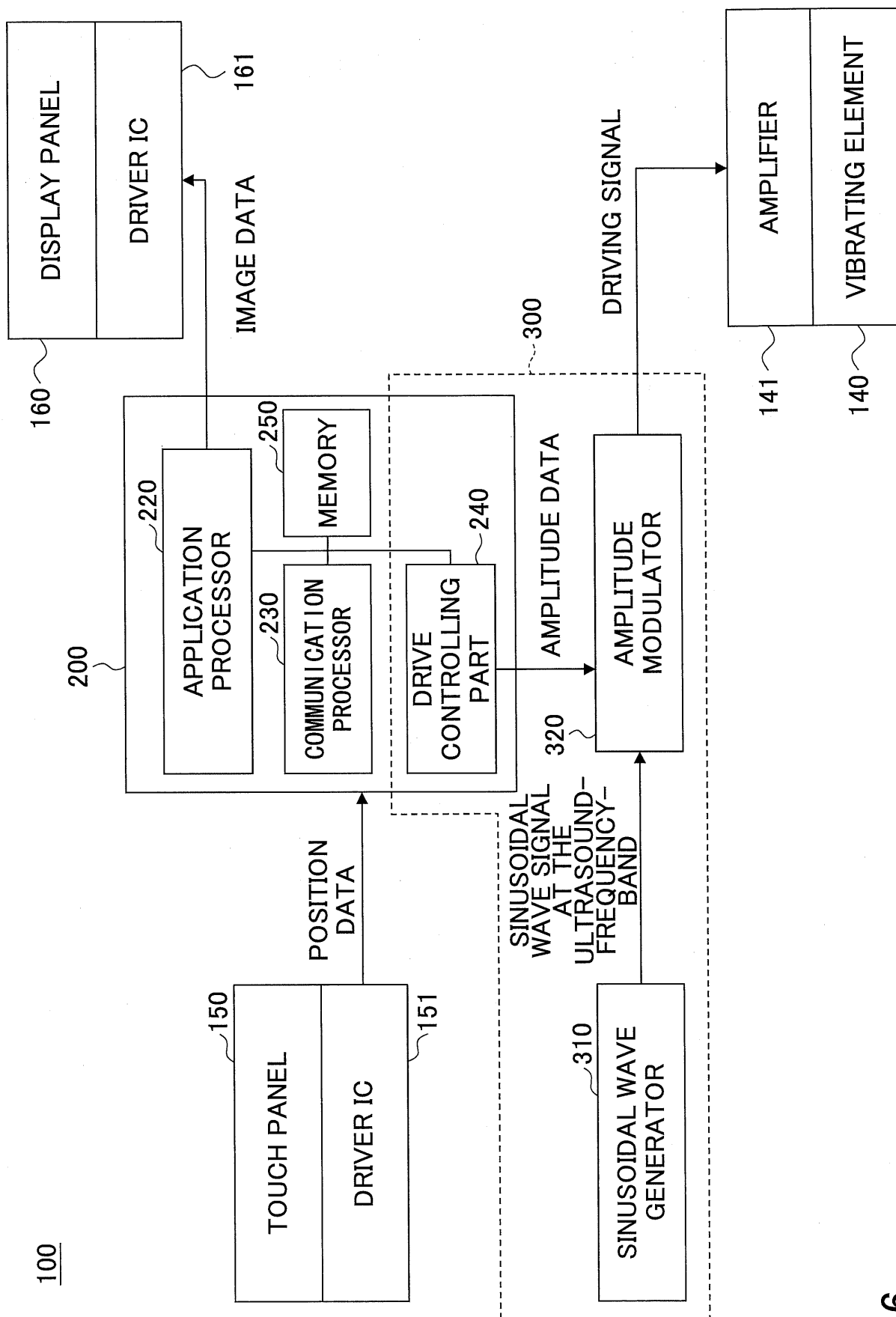


FIG.6

FIG.7

(A)

MOVING SPEED	AMPLITUDE VALUE
$0 \leq V < b1$	0
$b1 \leq V < b2$	A1
$b2 \leq V < b3$	A2

(B)

APPLICATION ID	AREA DATA	VIBRATION PATTERN
1	f1=(X,Y)	P1
1	f2=(X,Y)	P2
1	f3=(X,Y)	P3
1	f4=(X,Y)	P4

FIG.8

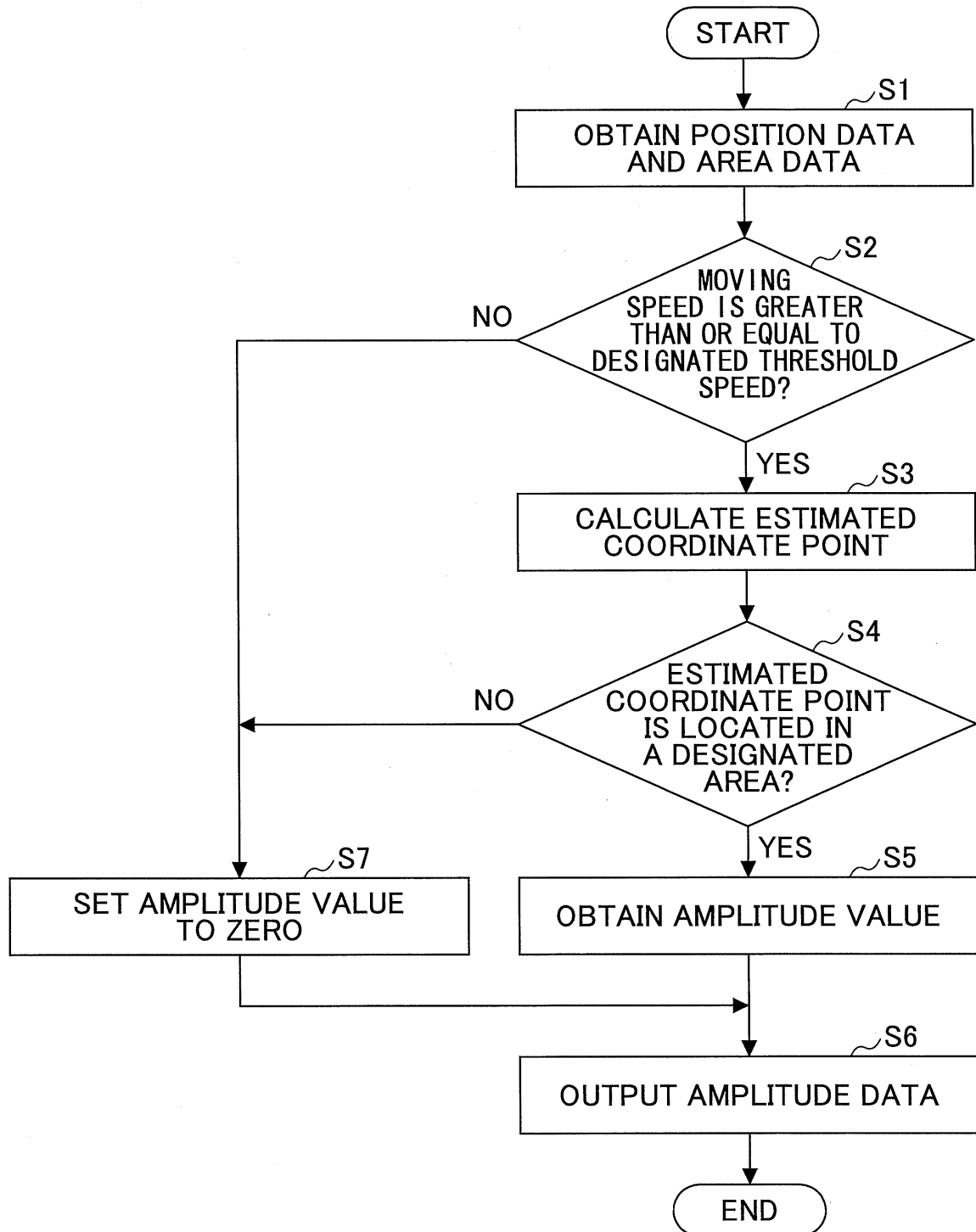


FIG.9

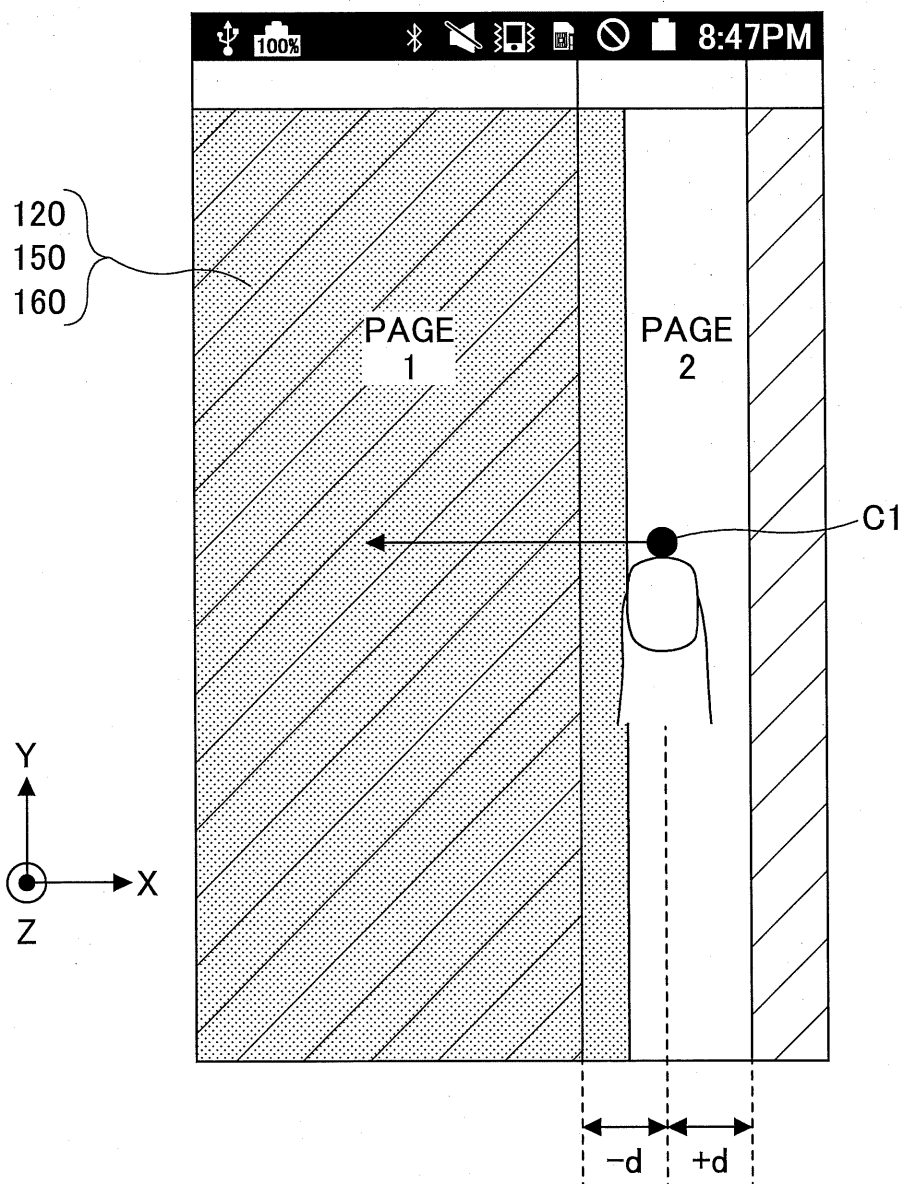


FIG.10

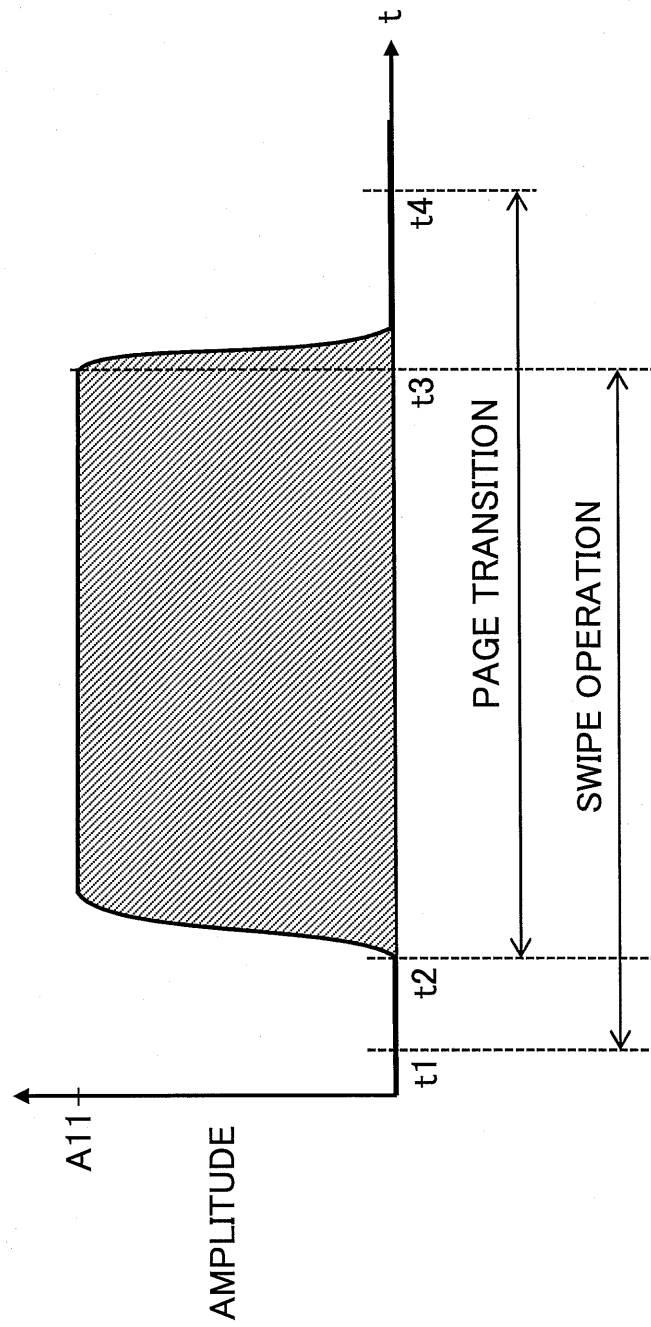


FIG.11

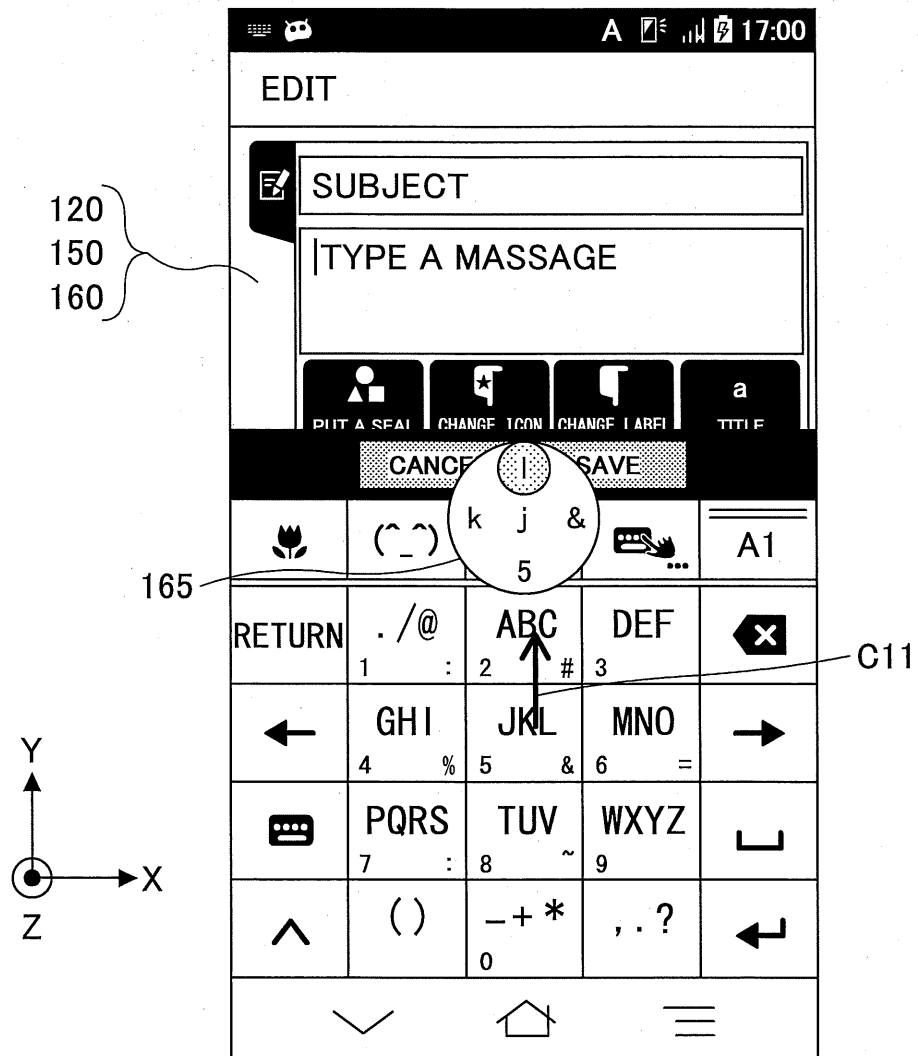


FIG.12

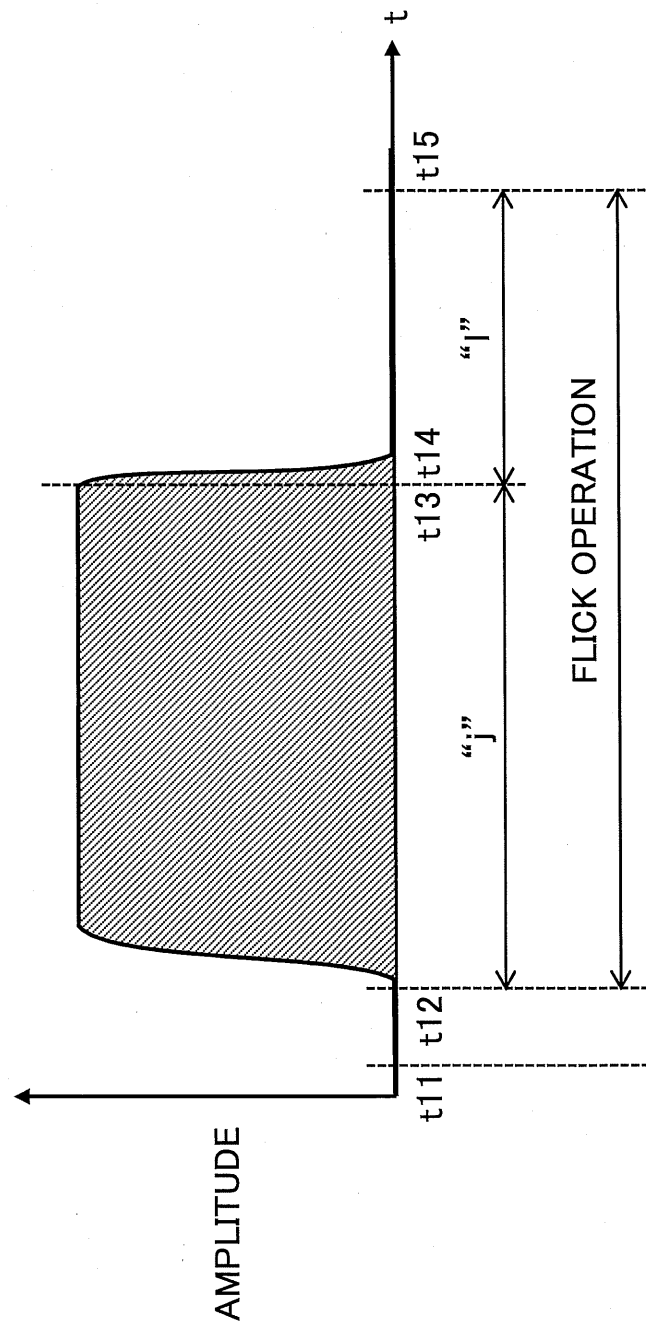


FIG.13

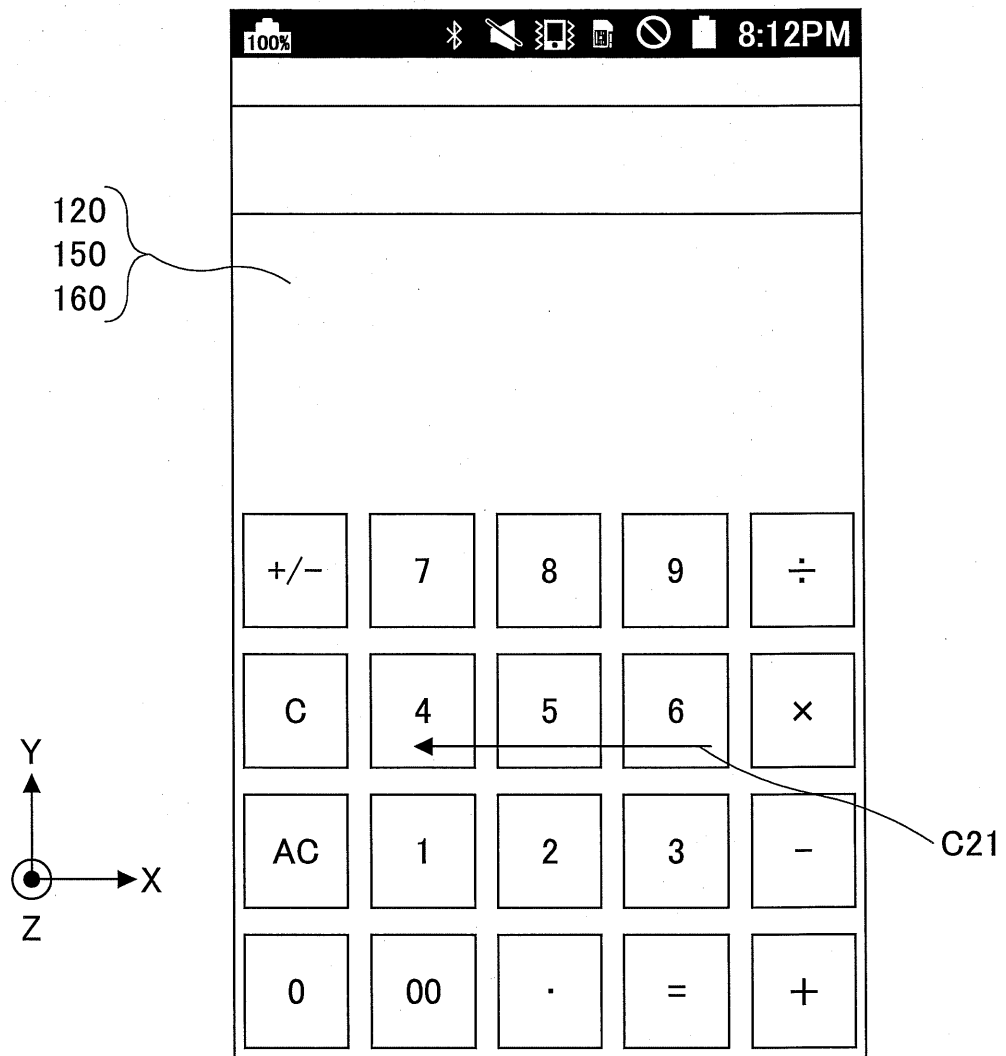


FIG.14

