

FIG.1

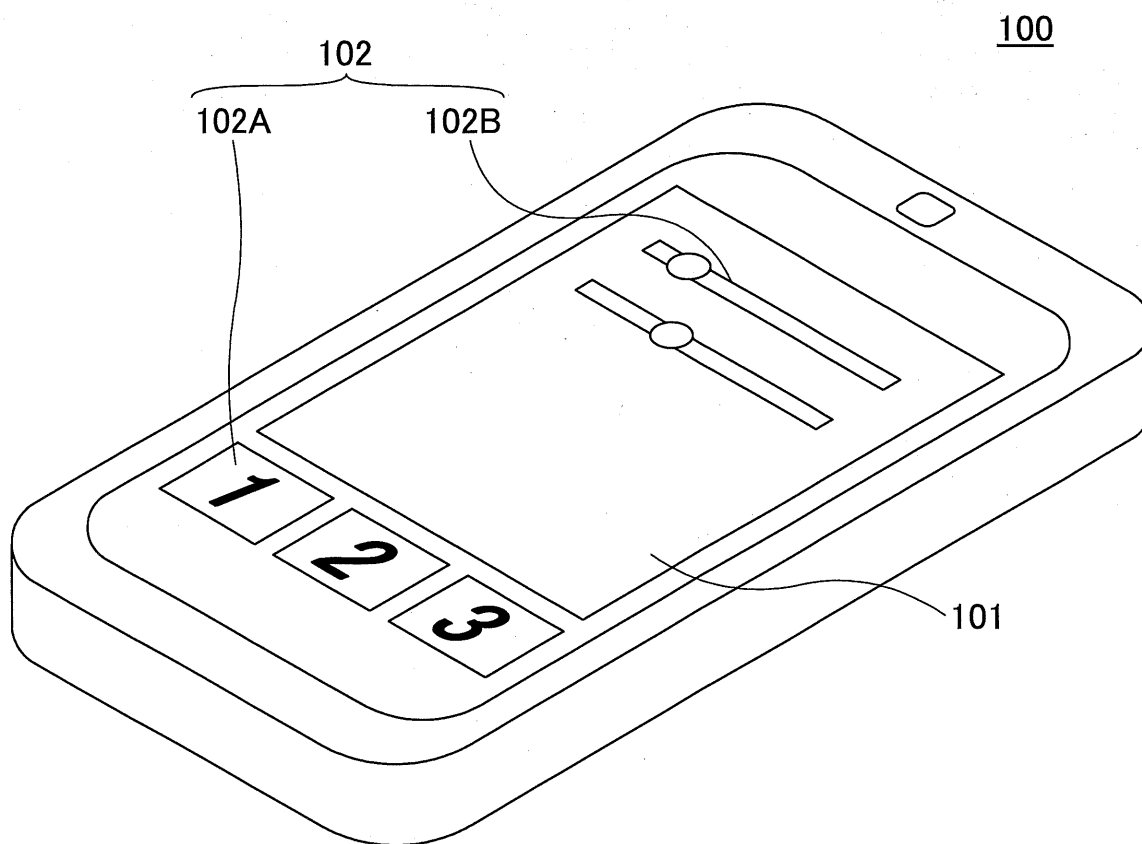


FIG.2

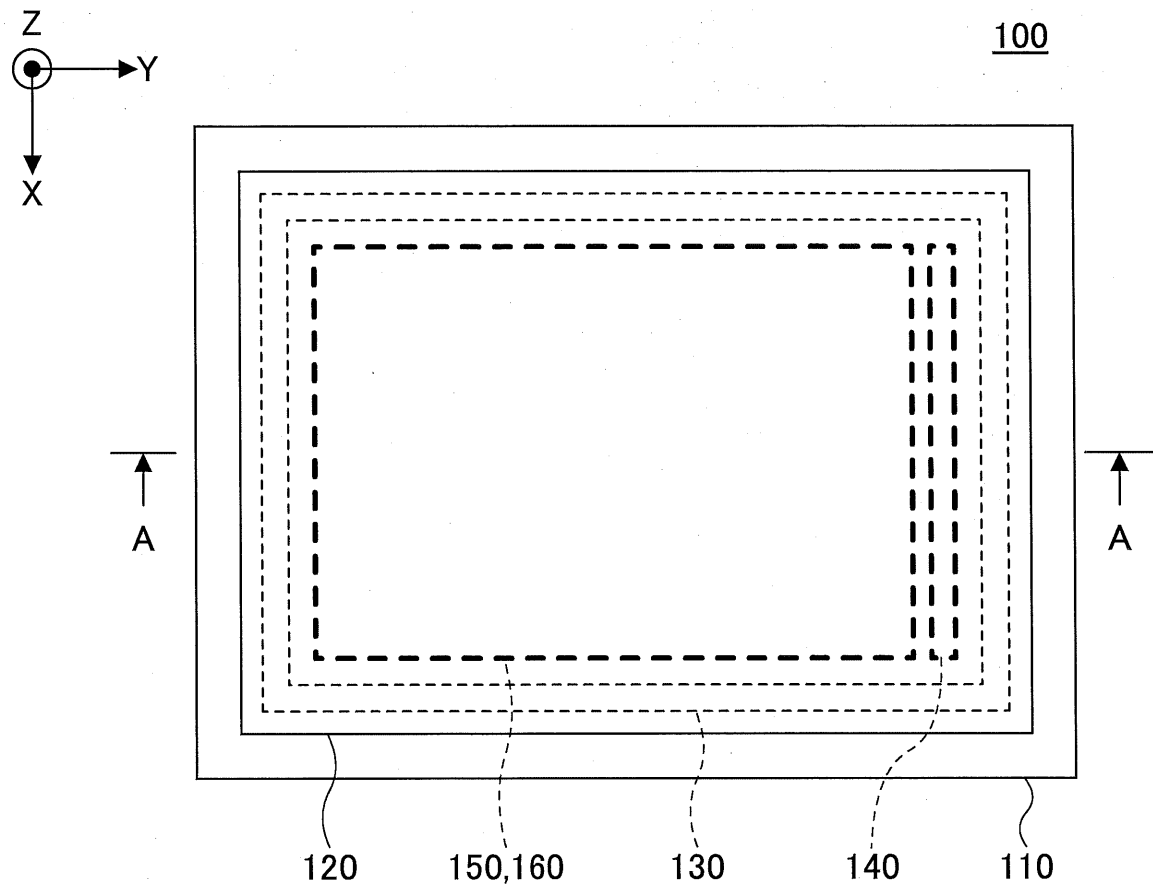


FIG.3

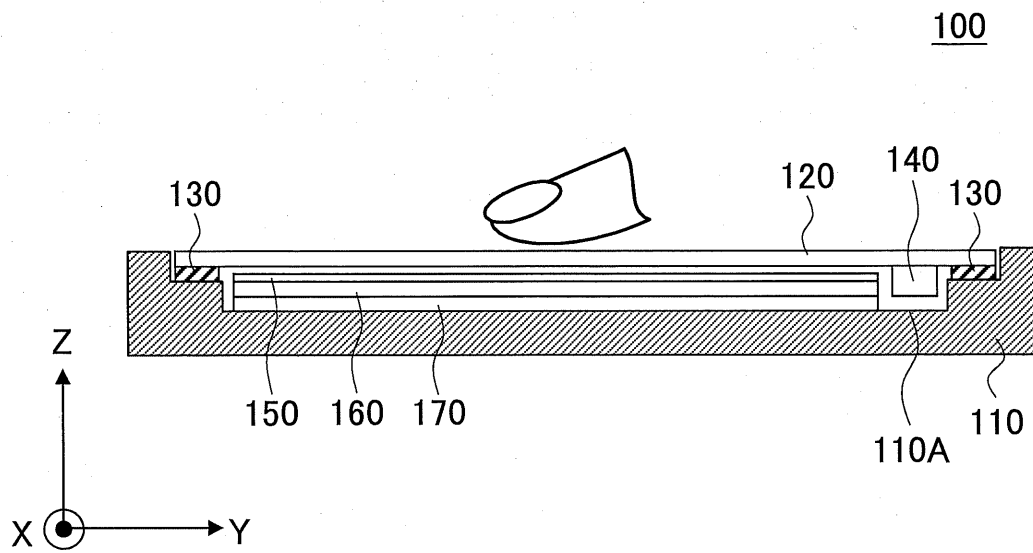


FIG.4

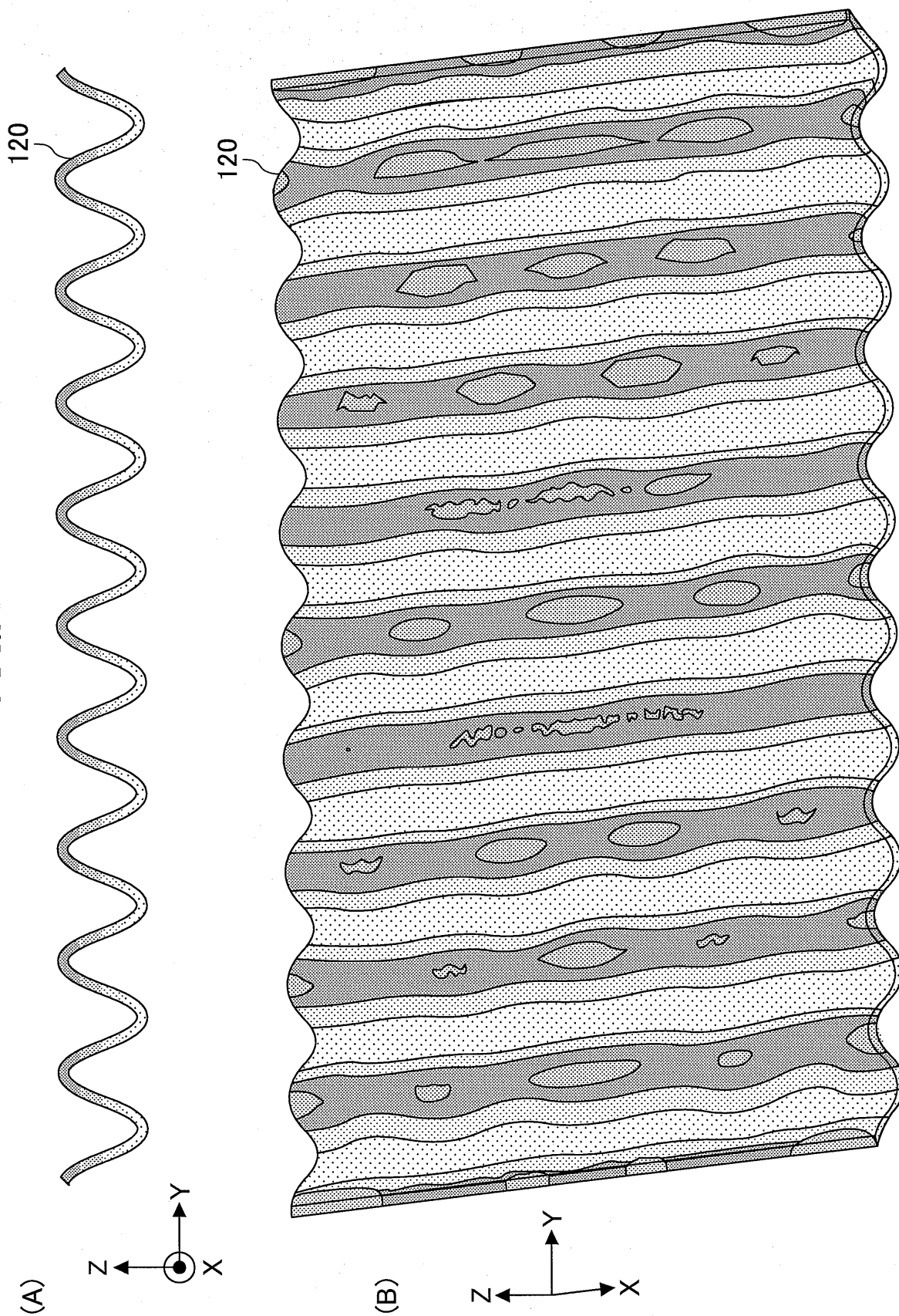
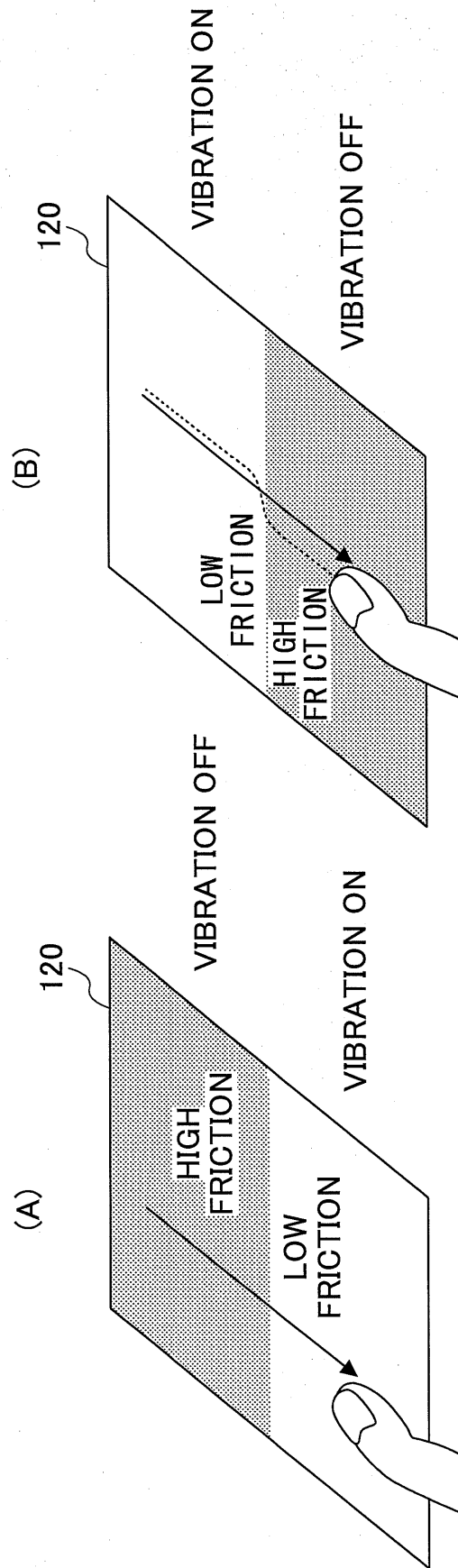


FIG.5



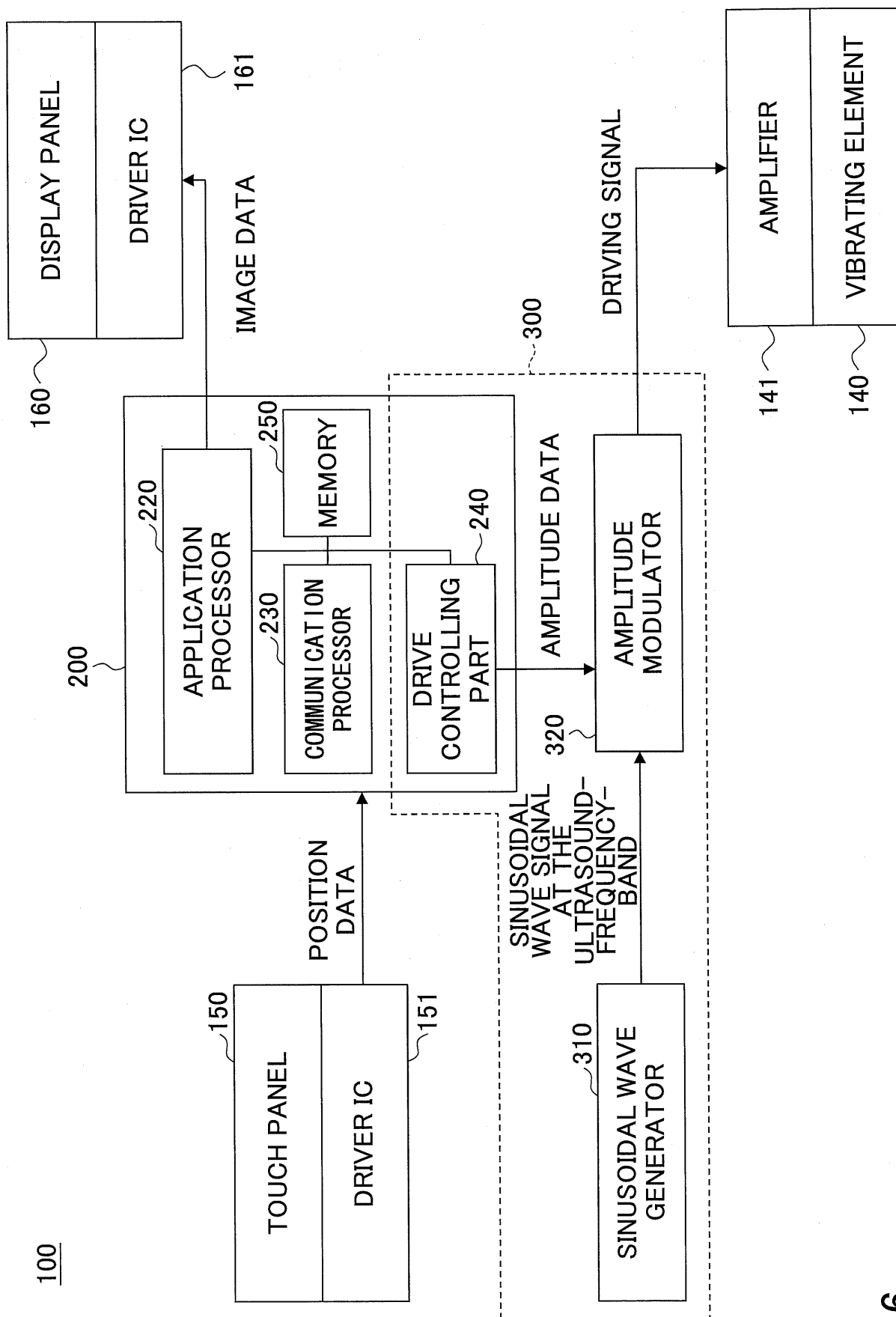


FIG.6

# 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

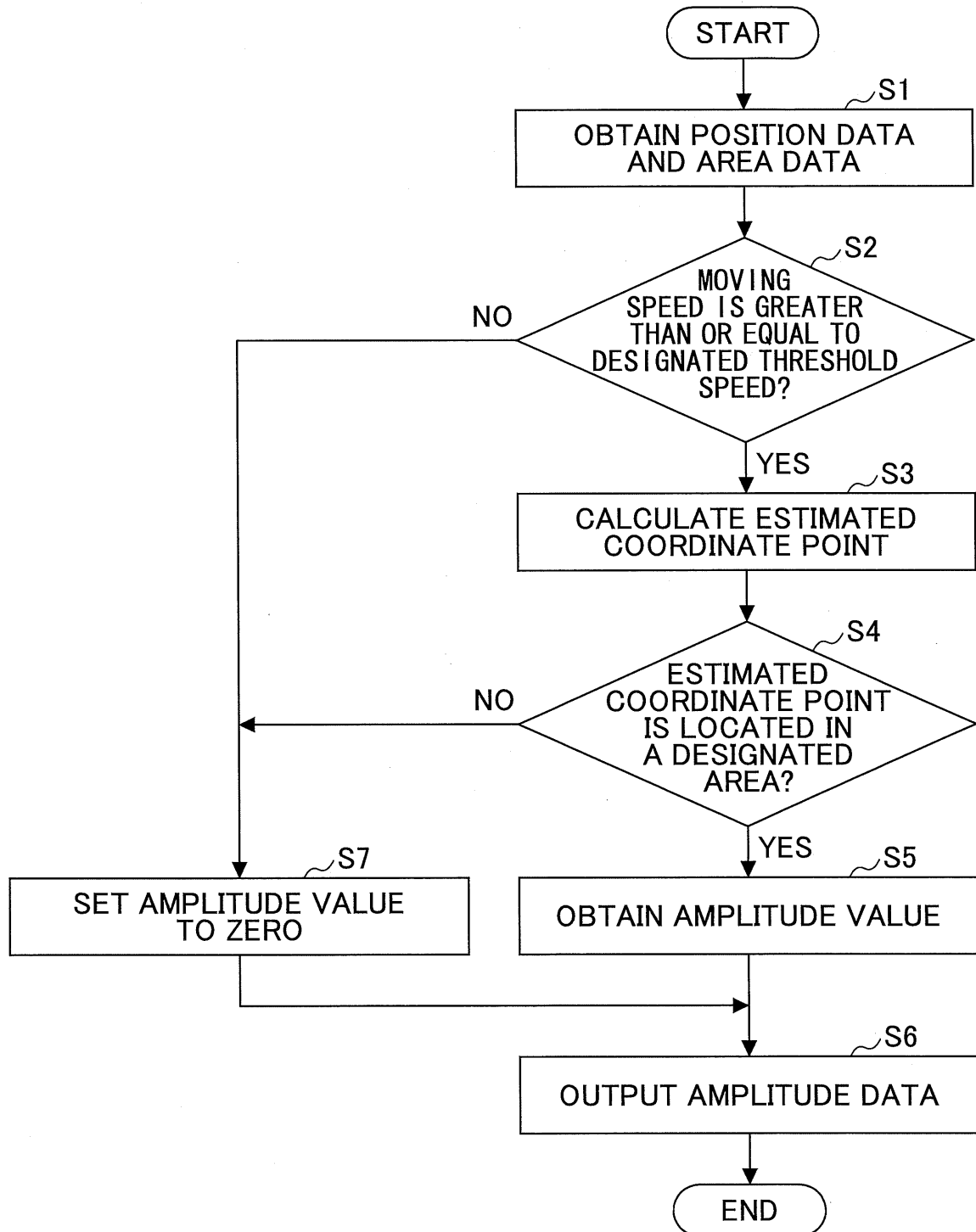


FIG.9

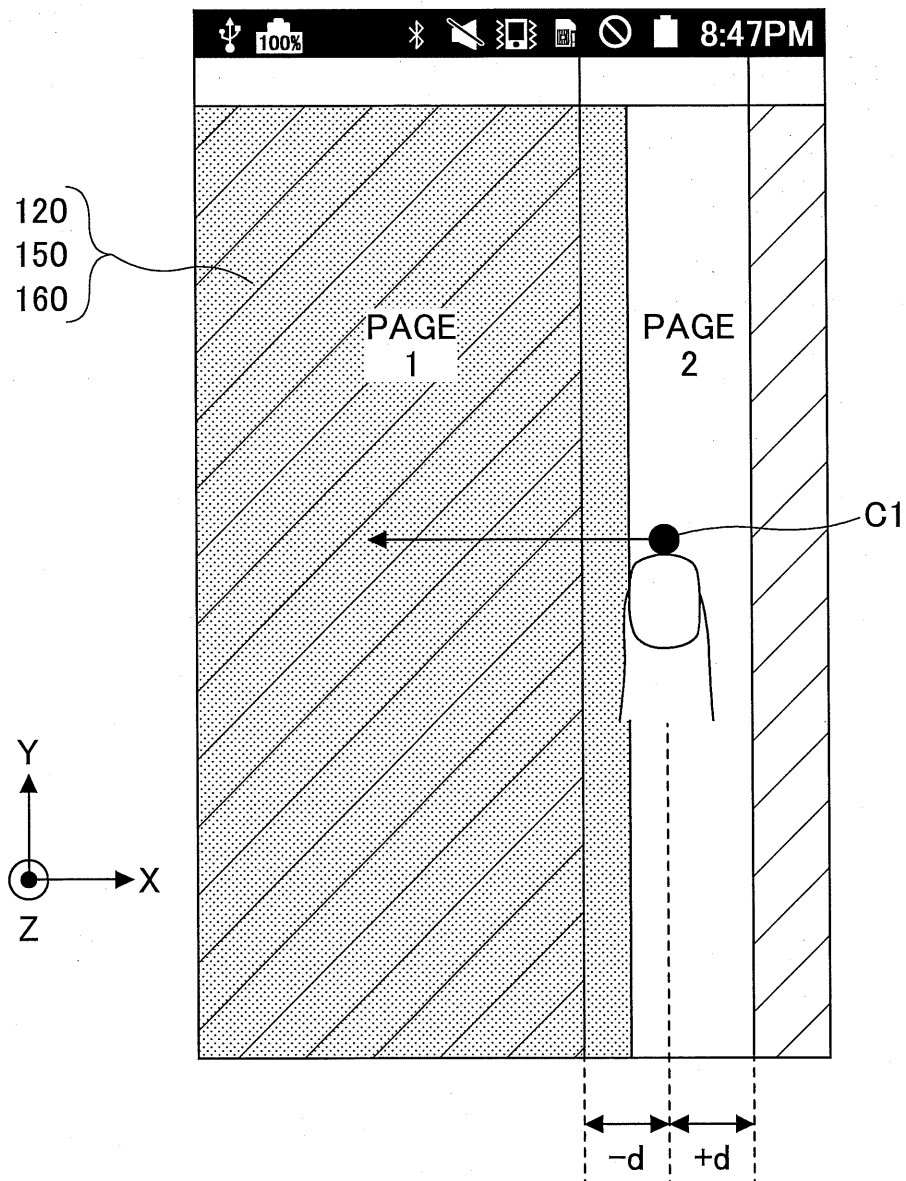
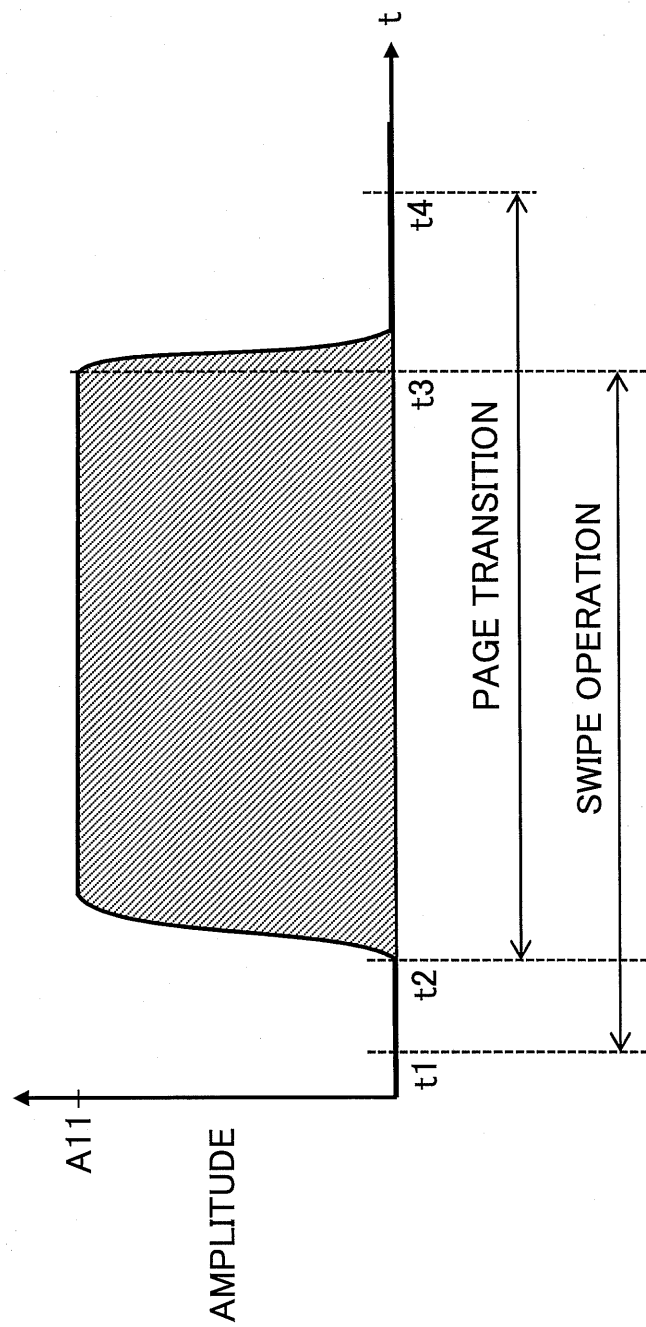


FIG.10



# FIG.11

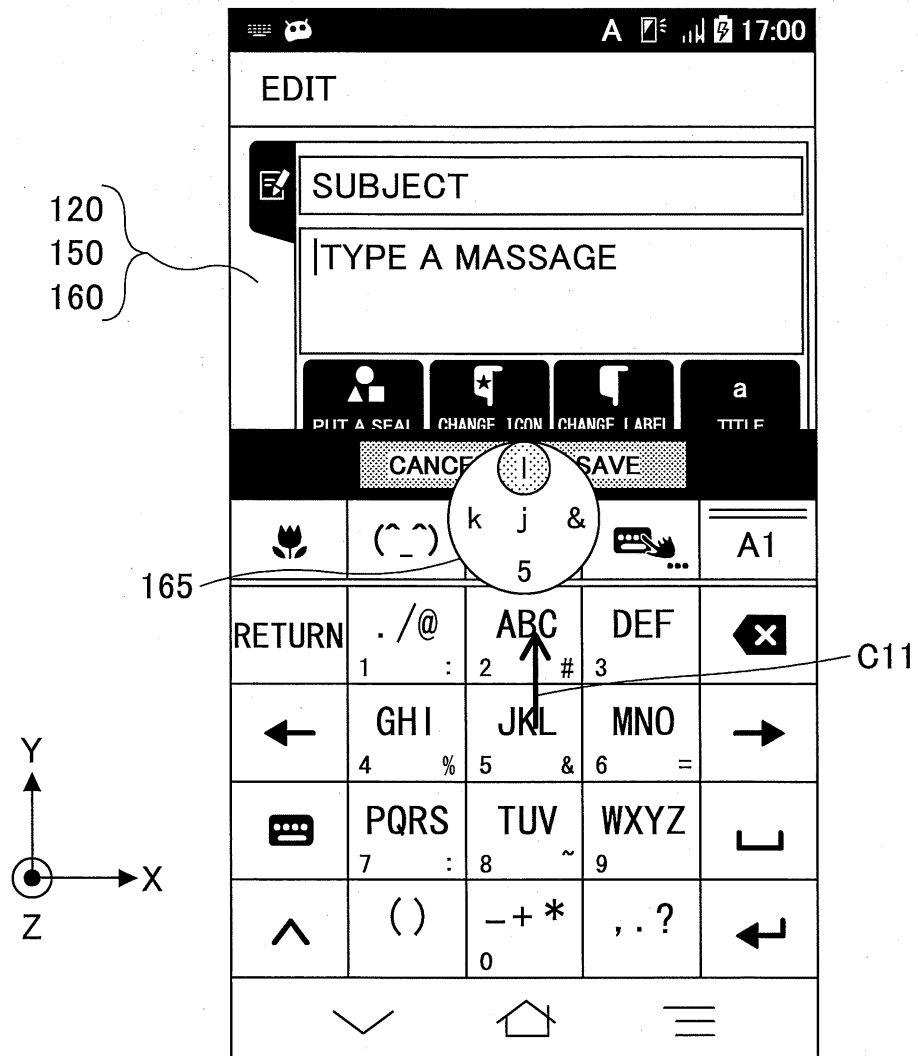


FIG.12

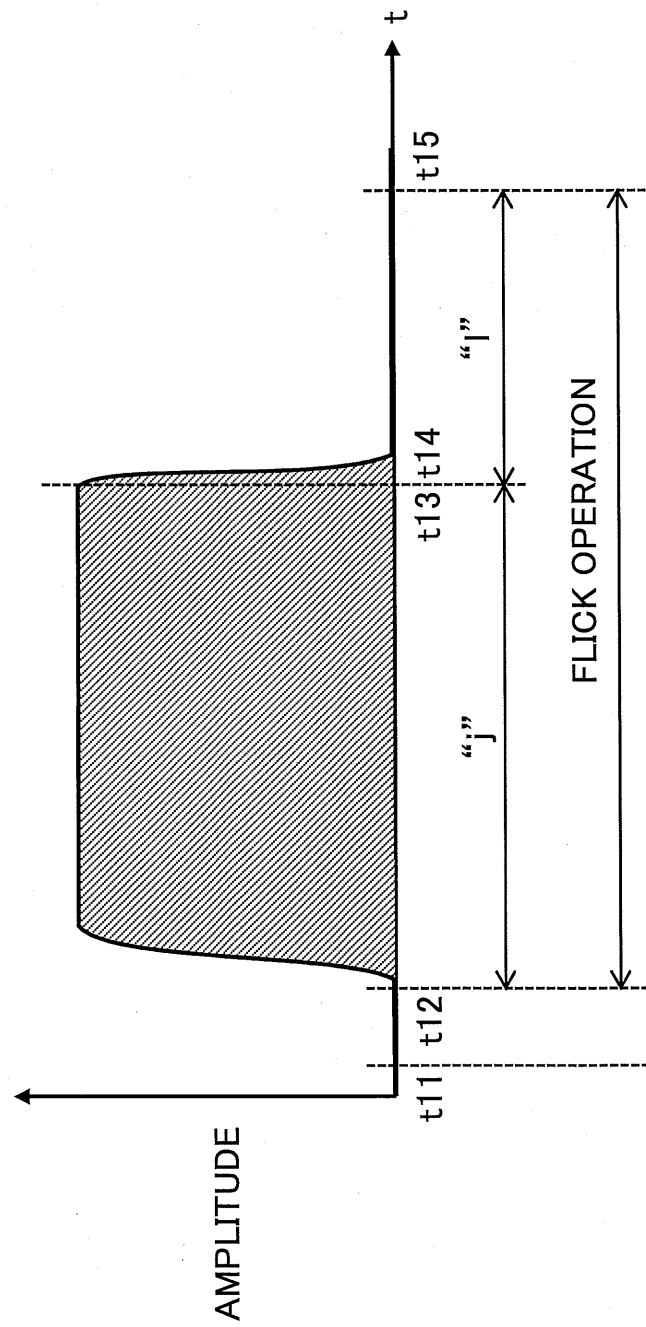


FIG.13

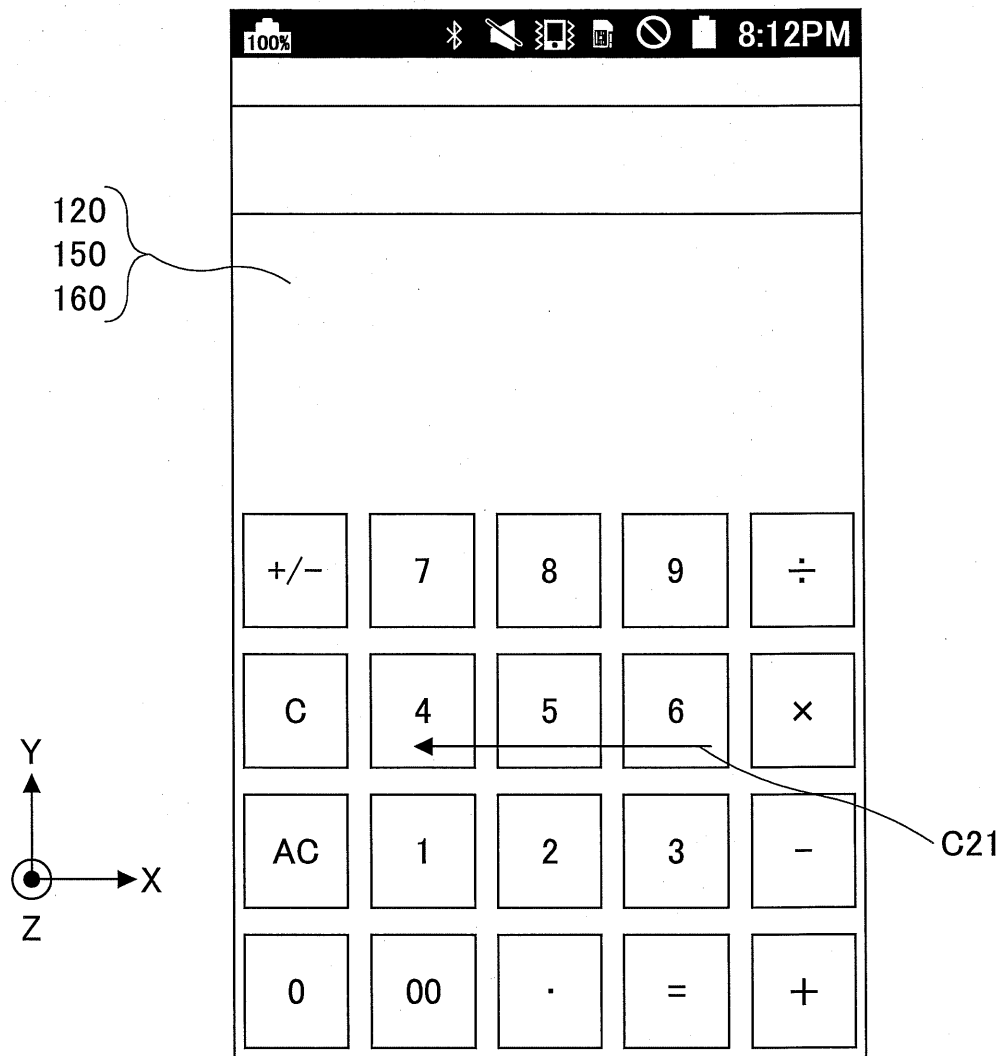


FIG.14

