

FIG. 1

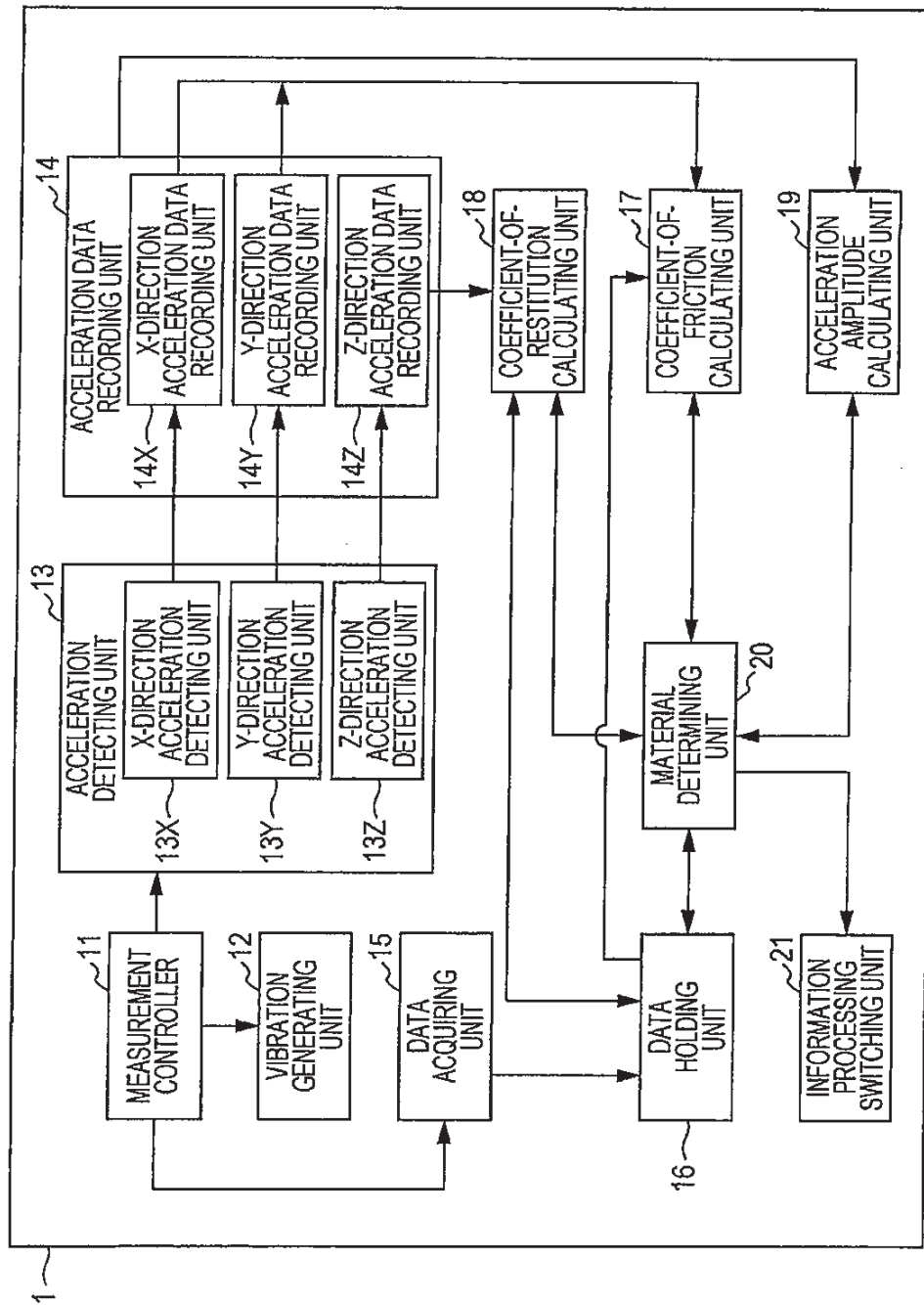


FIG. 2

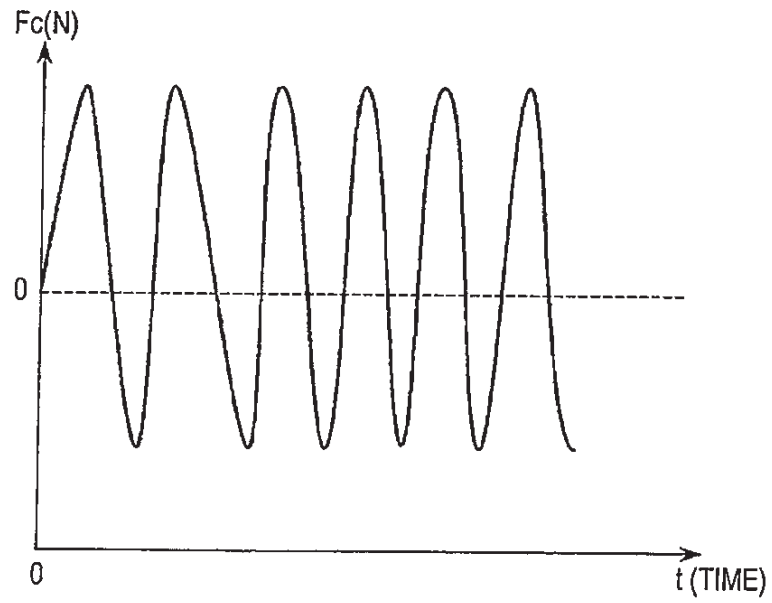


FIG. 3

| MATERIAL ID | DESCRIPTION ABOUT MATERIAL | COEFFICIENT OF FRICTION  | COEFFICIENT OF RESTITUTION |
|-------------|----------------------------|--------------------------|----------------------------|
| 0001        | CARPET                     | $\mu_{A1}$ TO $\mu_{A2}$ | $e_{A1}$ TO $e_{A2}$       |
| 0002        | PLASTIC                    | $\mu_{B1}$ TO $\mu_{B2}$ | $e_{B1}$ TO $e_{B2}$       |
| 0003        | DASHBOARD                  | $\mu_{C1}$ TO $\mu_{C2}$ | $e_{C1}$ TO $e_{C2}$       |
|             |                            |                          |                            |

FIG. 4A

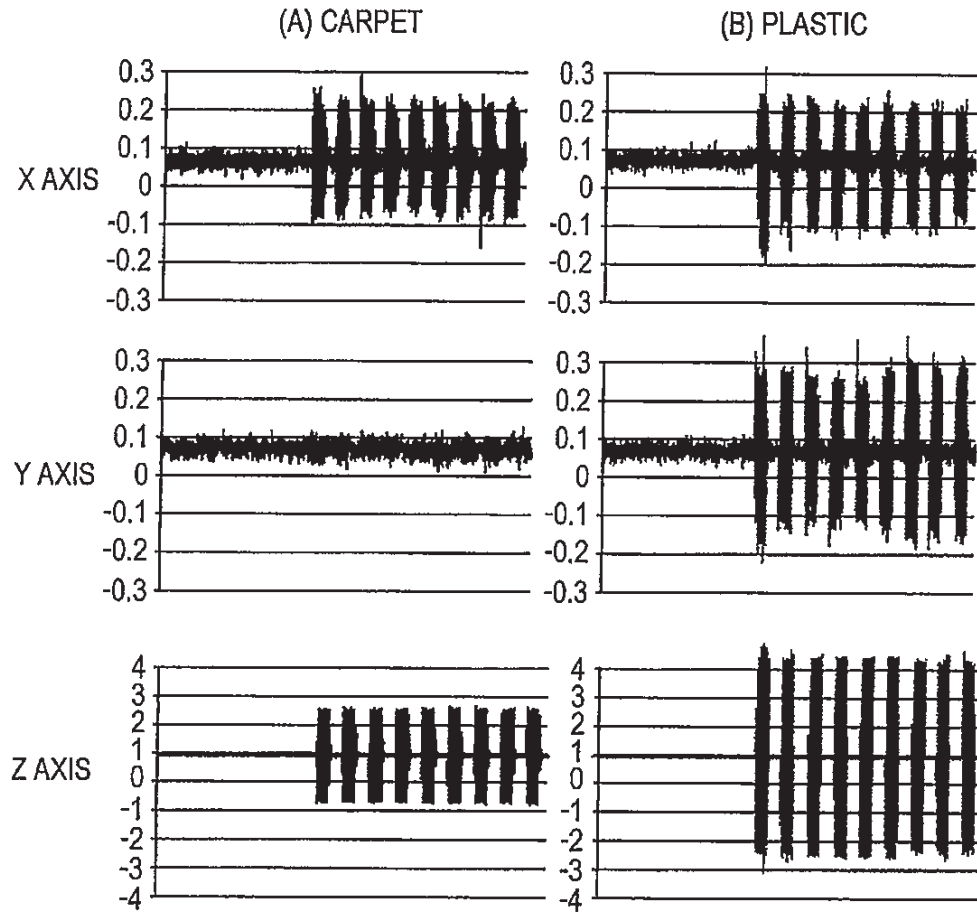


FIG. 4B

| MATERIAL ID | DESCRIPTION ABOUT MATERIAL | X-DIRECTION ACCELERATION AMPLITUDE | Y-DIRECTION ACCELERATION AMPLITUDE | Z-DIRECTION ACCELERATION AMPLITUDE |
|-------------|----------------------------|------------------------------------|------------------------------------|------------------------------------|
| 0001        | CARPET                     | A <sub>a1</sub> TO A <sub>a2</sub> | A <sub>b1</sub> TO A <sub>b2</sub> | A <sub>c1</sub> TO A <sub>c2</sub> |
| 0002        | PLASTIC                    | A <sub>a3</sub> TO A <sub>a4</sub> | A <sub>b3</sub> TO A <sub>b4</sub> | A <sub>c3</sub> TO A <sub>c4</sub> |
| 0003        | DASHBOARD                  | A <sub>a5</sub> TO A <sub>a6</sub> | A <sub>b5</sub> TO A <sub>b6</sub> | A <sub>c5</sub> TO A <sub>c6</sub> |
|             |                            |                                    |                                    |                                    |

FIG. 4C

| MATERIAL ID | DESCRIPTION ABOUT MATERIAL | XY-PLANE ACCELERATION AMPLITUDE | XY-PLANE ACCELERATION VARIATIONS | Z-DIRECTION ACCELERATION AMPLITUDE |
|-------------|----------------------------|---------------------------------|----------------------------------|------------------------------------|
| 0001        | CARPET                     | $A_{d1}$ TO $A_{d2}$            | $\sigma_1$ TO $\sigma_2$         | $A_{c1}$ TO $A_{c2}$               |
| 0002        | PLASTIC                    | $A_{d3}$ TO $A_{d4}$            | $\sigma_3$ TO $\sigma_4$         | $A_{c3}$ TO $A_{c4}$               |
| 0003        | DASHBOARD                  | $A_{d5}$ TO $A_{d6}$            | $\sigma_5$ TO $\sigma_6$         | $A_{c5}$ TO $A_{c6}$               |
|             |                            |                                 |                                  |                                    |

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FIG. 5

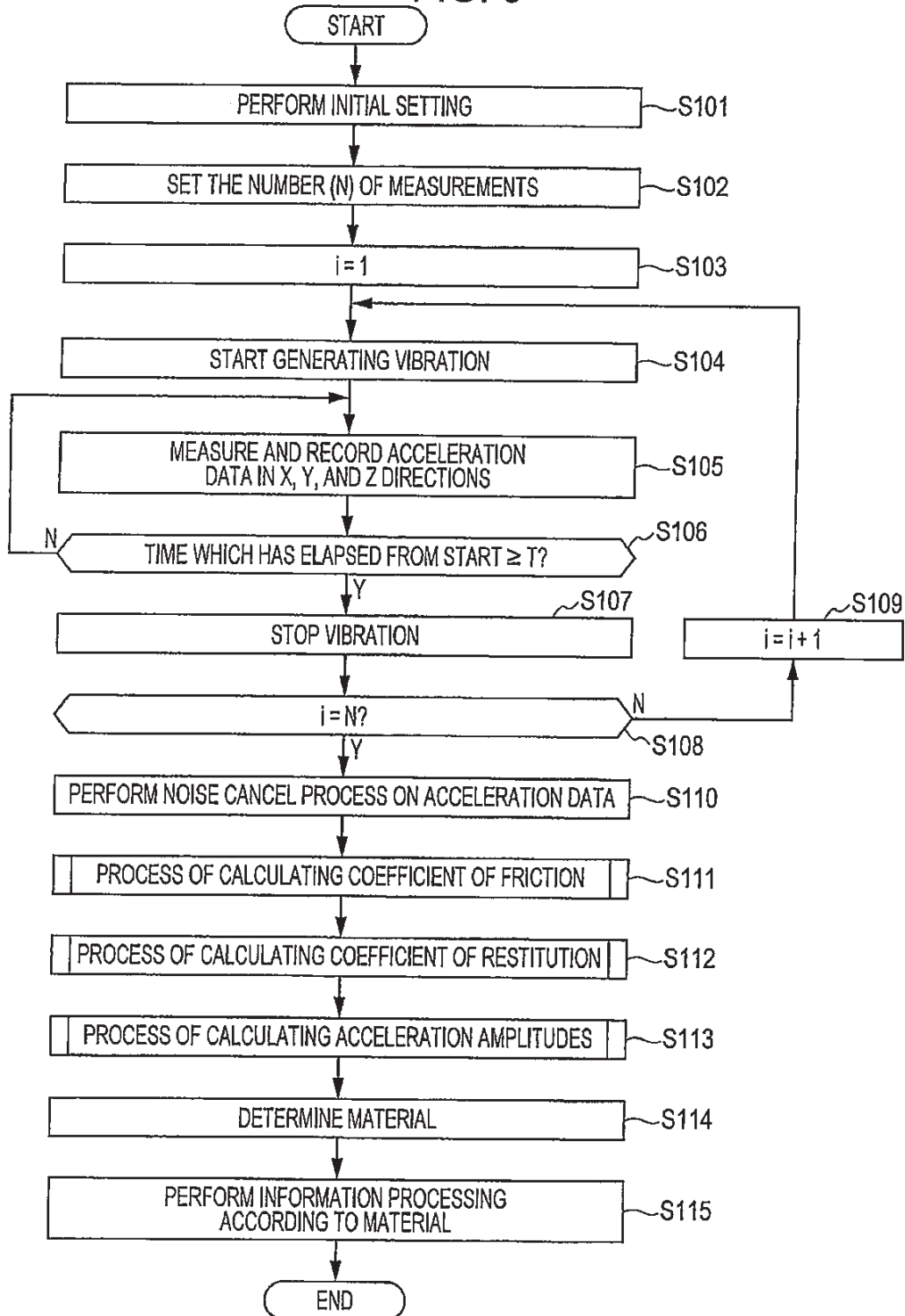


FIG. 6

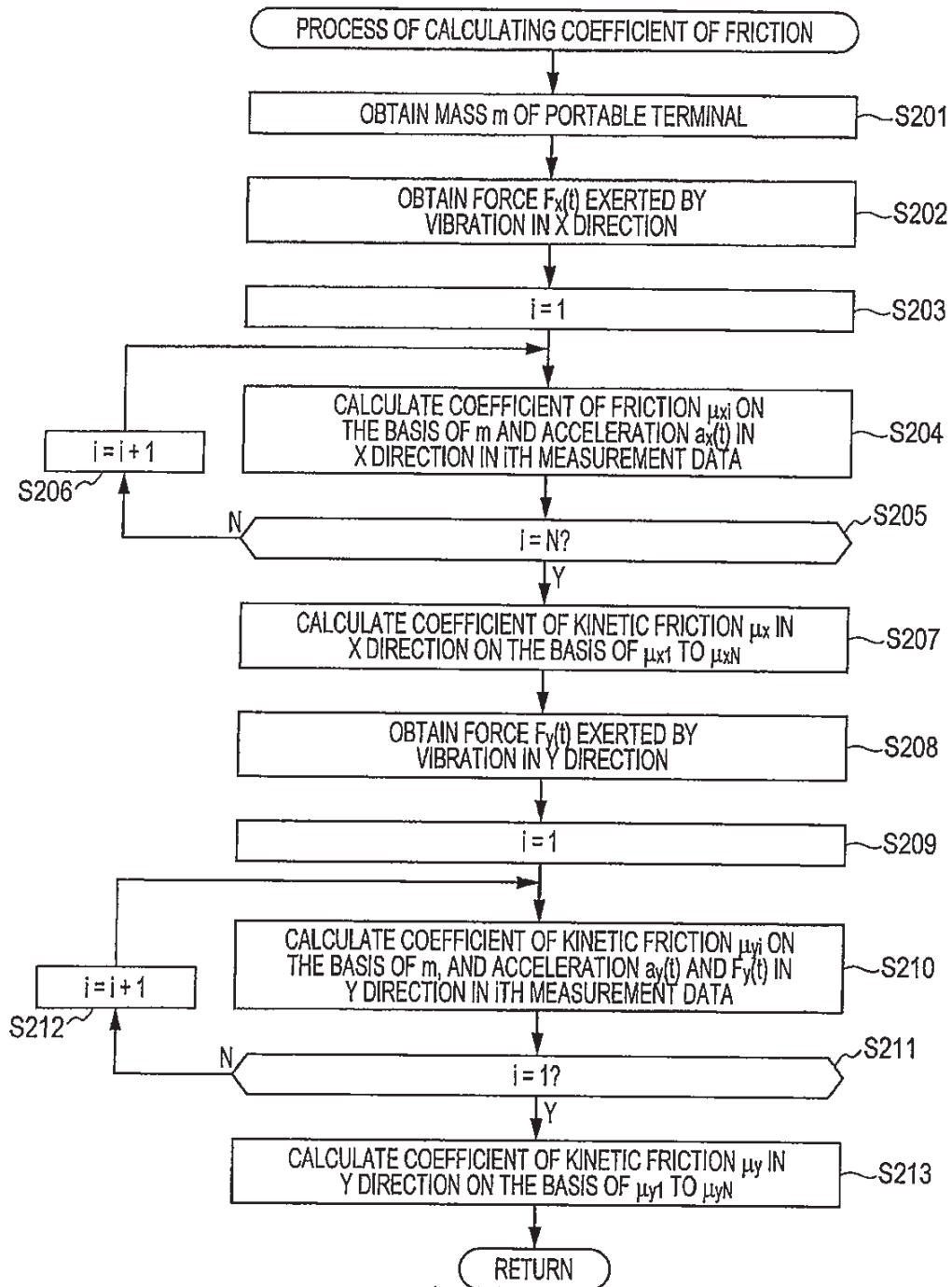


FIG. 7

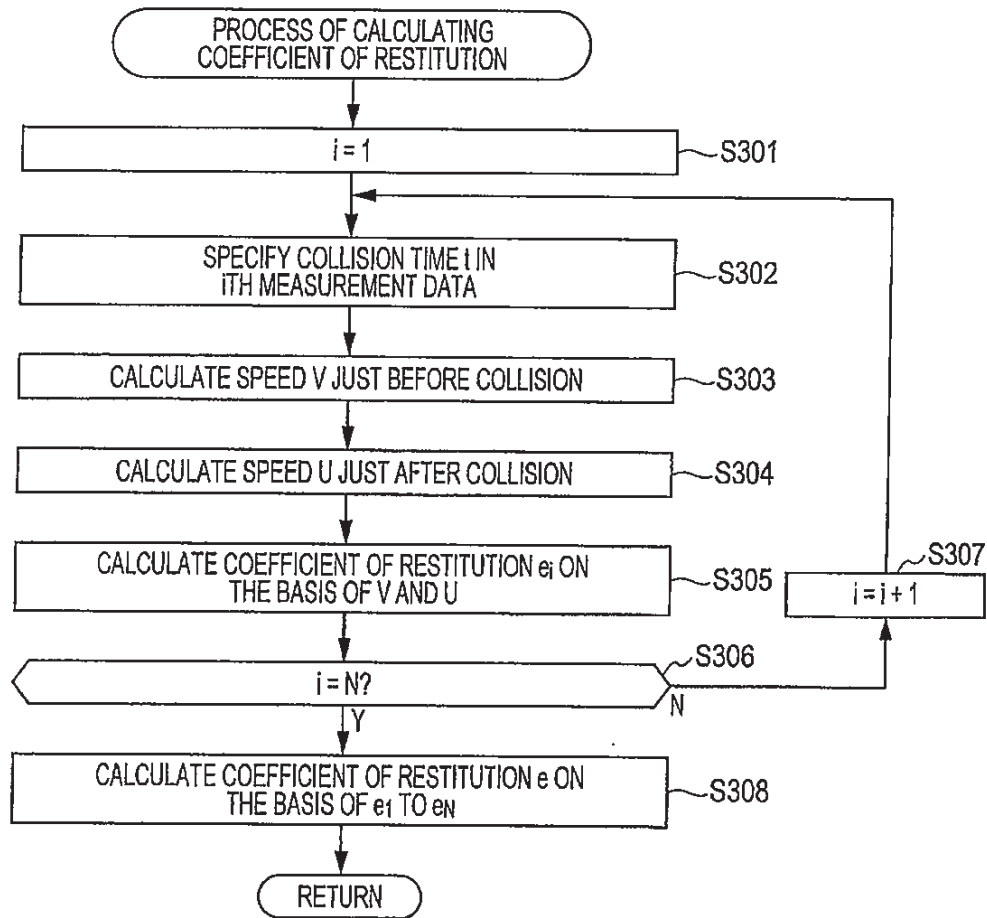


FIG. 8

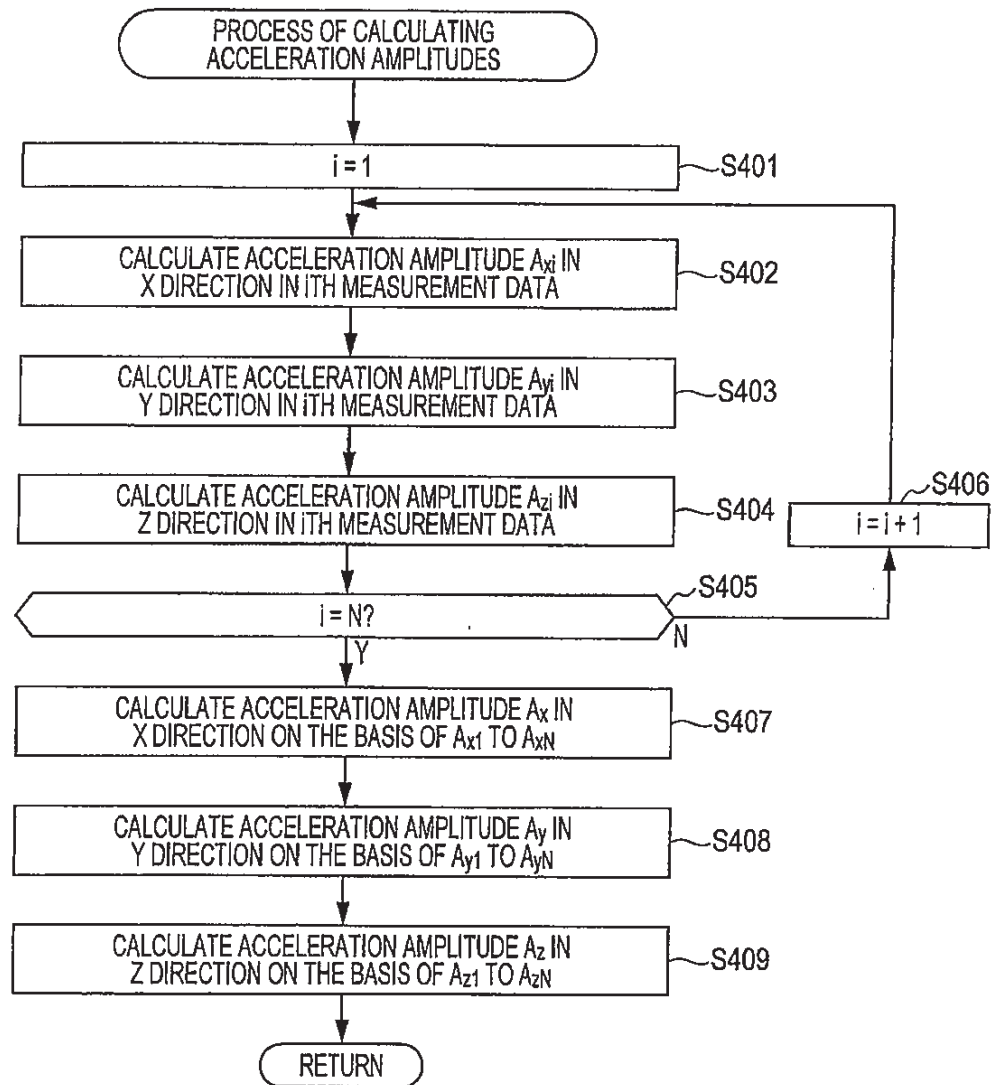


FIG. 9

