

FIG. 1A

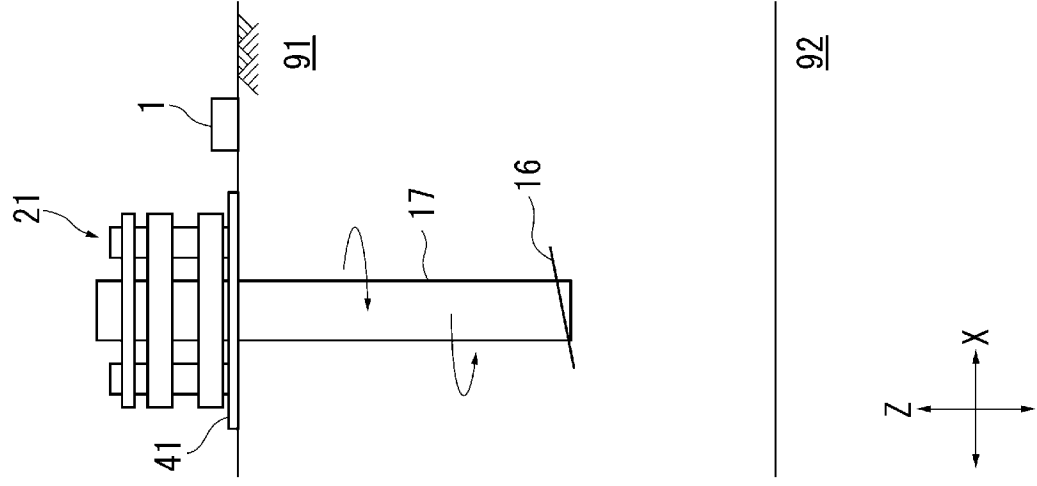


FIG. 1B

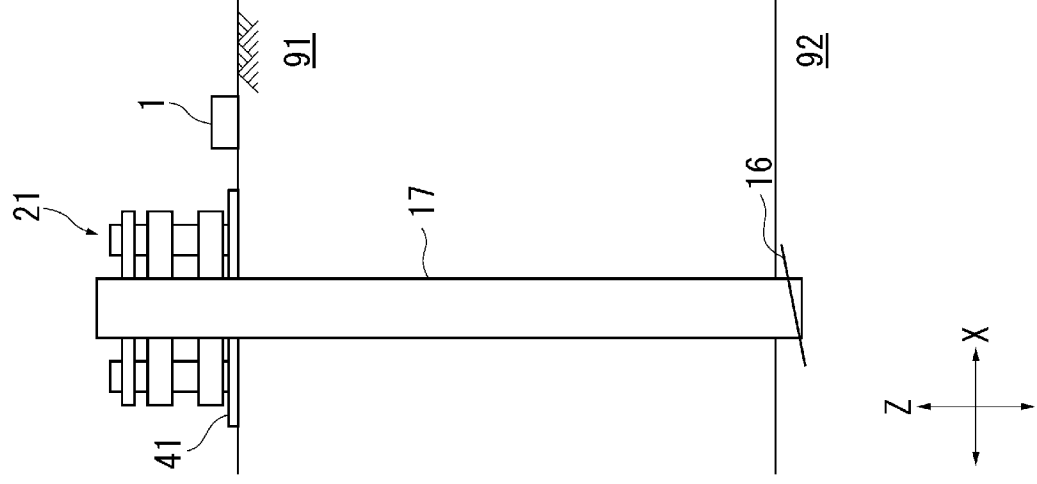


FIG. 1C

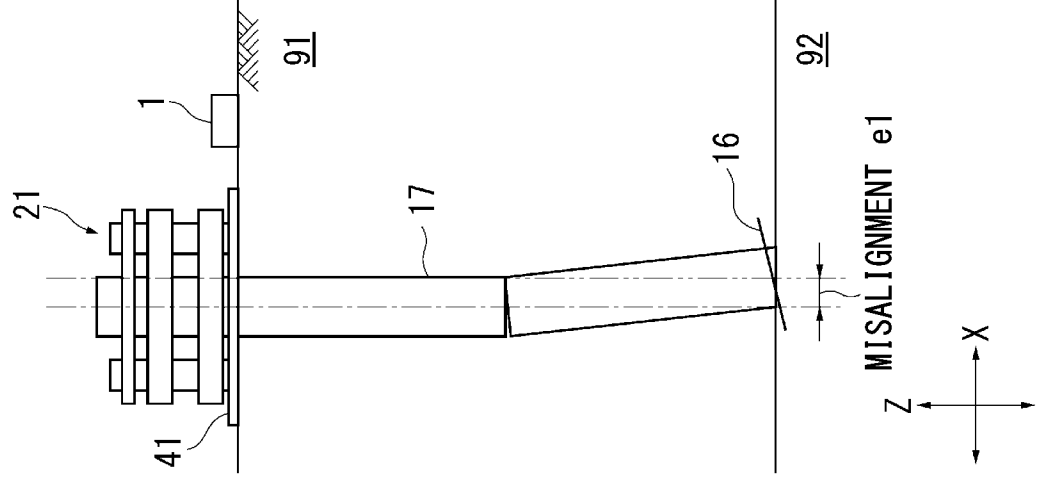


FIG. 2

100

(AUGER)

1
DEVIATION
MEASURING DEVICE
AMOUNT OF
DEVIATION

2
ROTATIONAL ANGLE
MEASURING DEVICE
ROTATIONAL
ANGLE

3
PENETRATION
MEASURING DEVICE
AMOUNT OF
PENETRATION

4
ROTATIONAL TORQUE
MEASURING DEVICE
ROTATIONAL
TORQUE

5
VERTICAL LOAD
MEASURING DEVICE
VERTICAL LOAD

7
DATA CONVERTER

8

9
SOIL SURVEY
N VALUE DATA

6
6a
6b
6c

FIG. 3

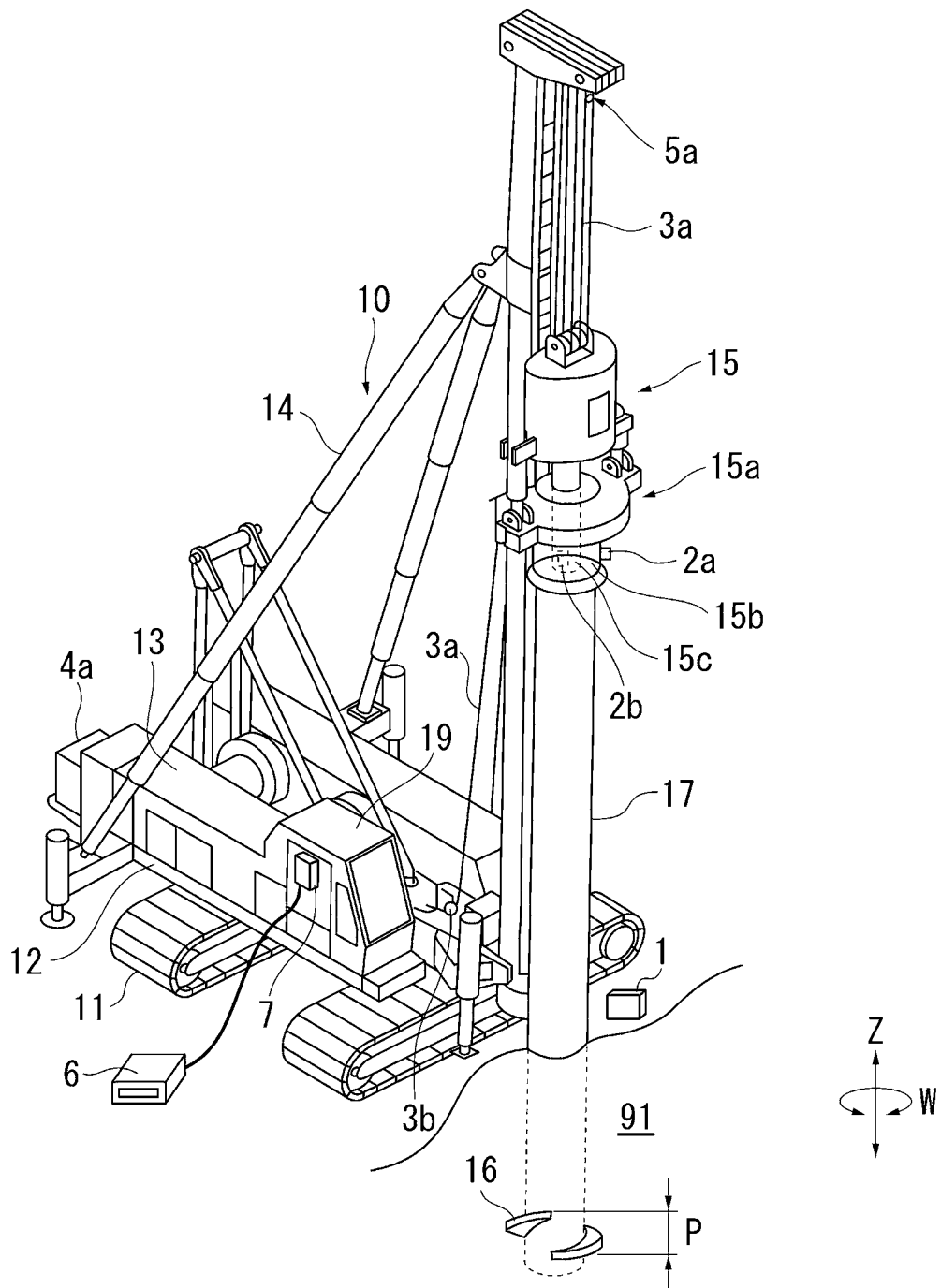


FIG. 4

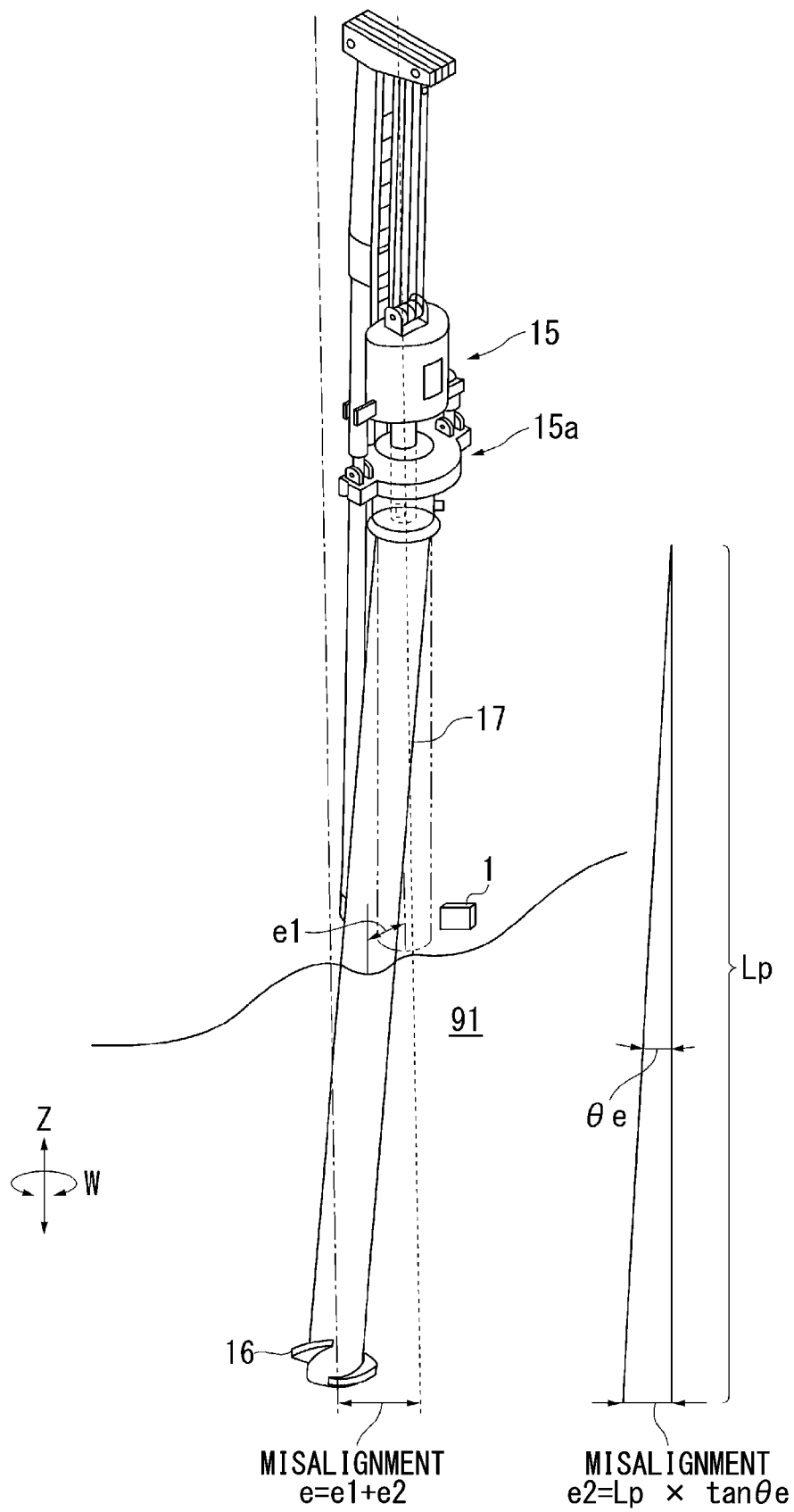


FIG. 5

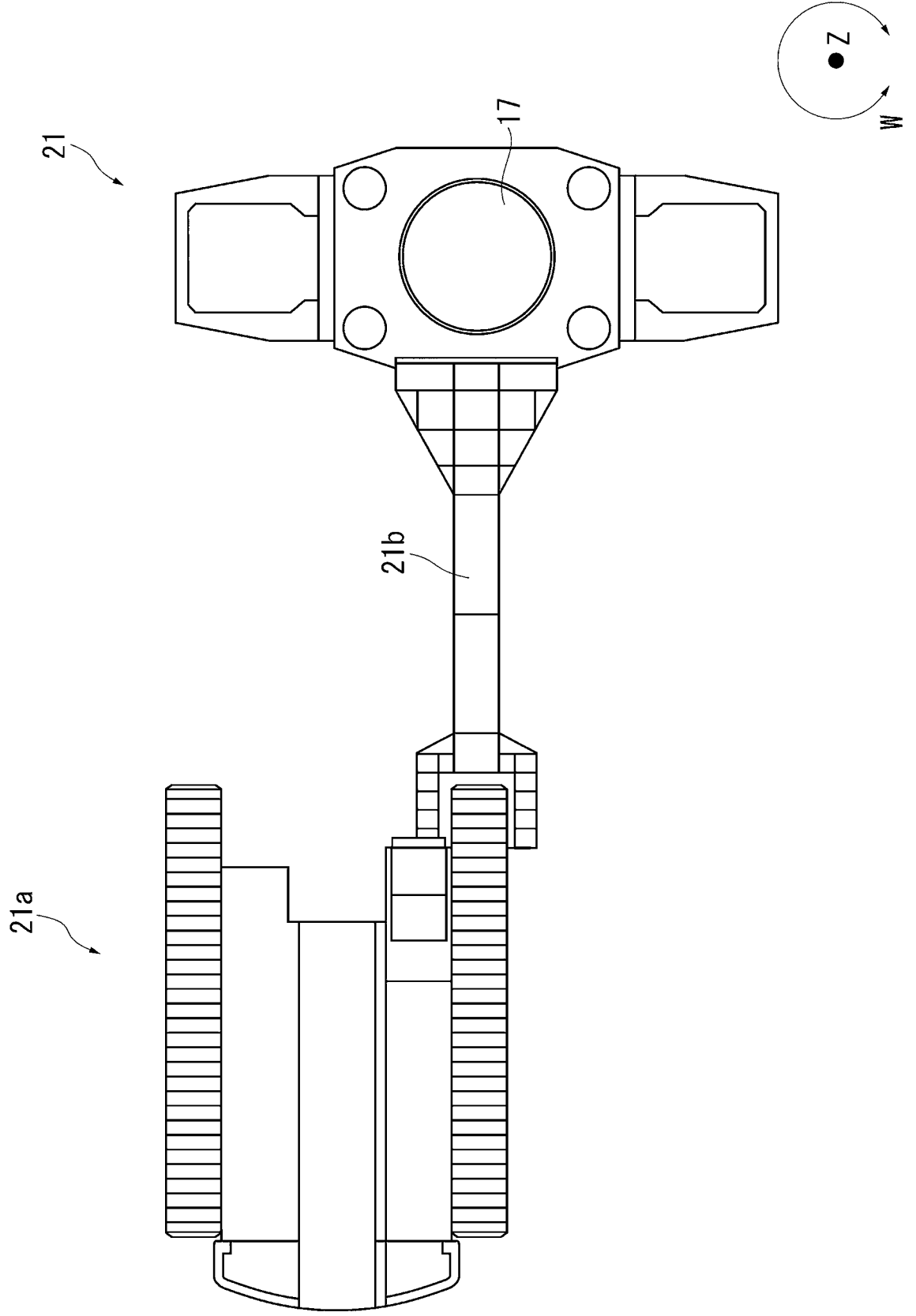


FIG. 6A

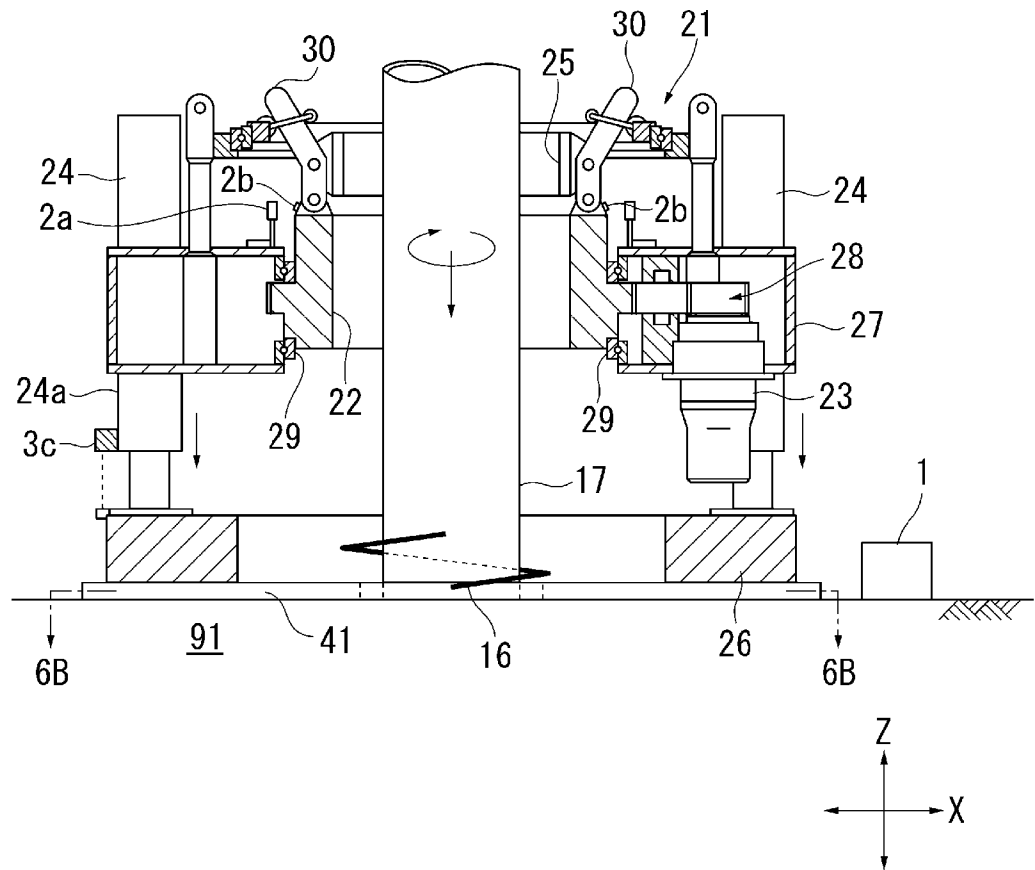


FIG. 6B

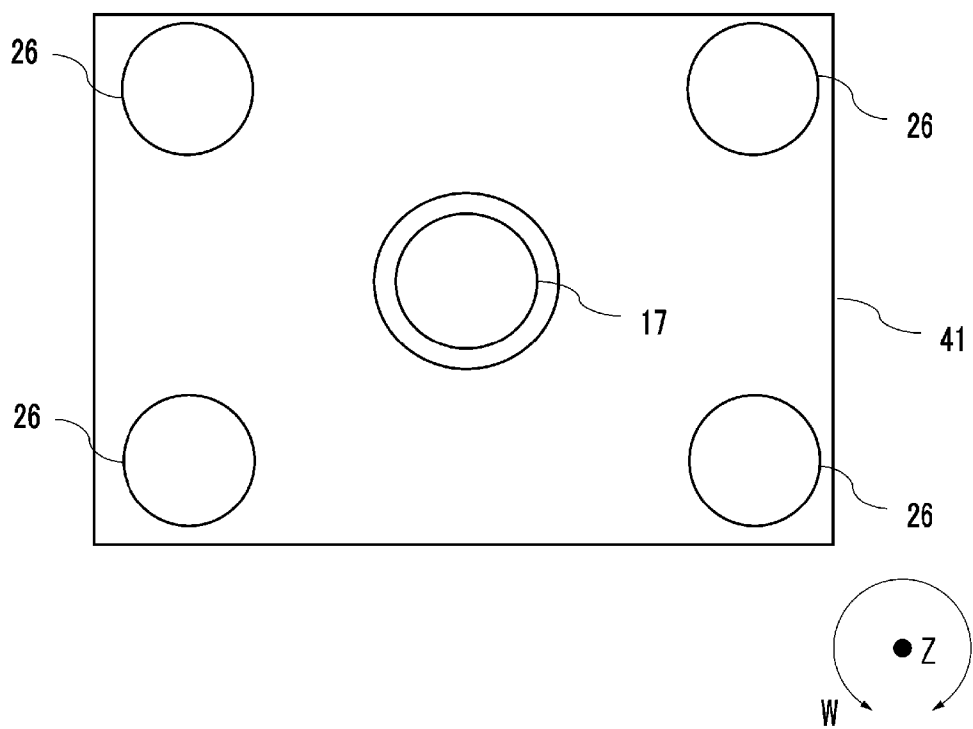


FIG. 7A

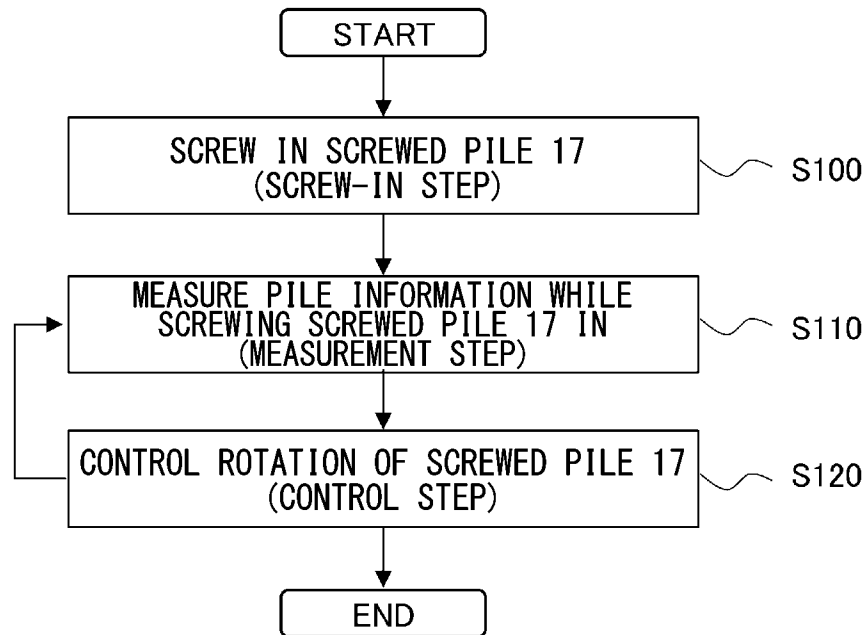


FIG. 7B

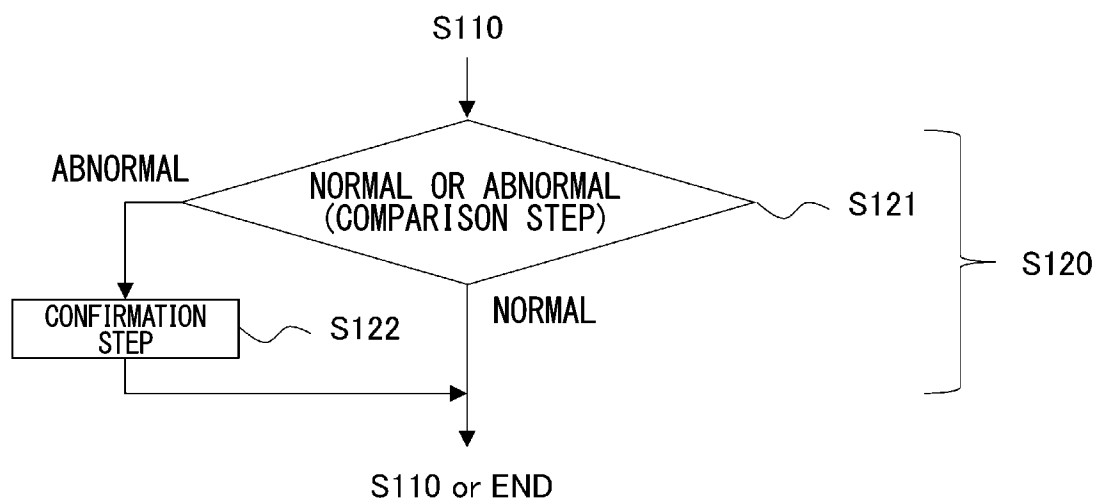


FIG. 8

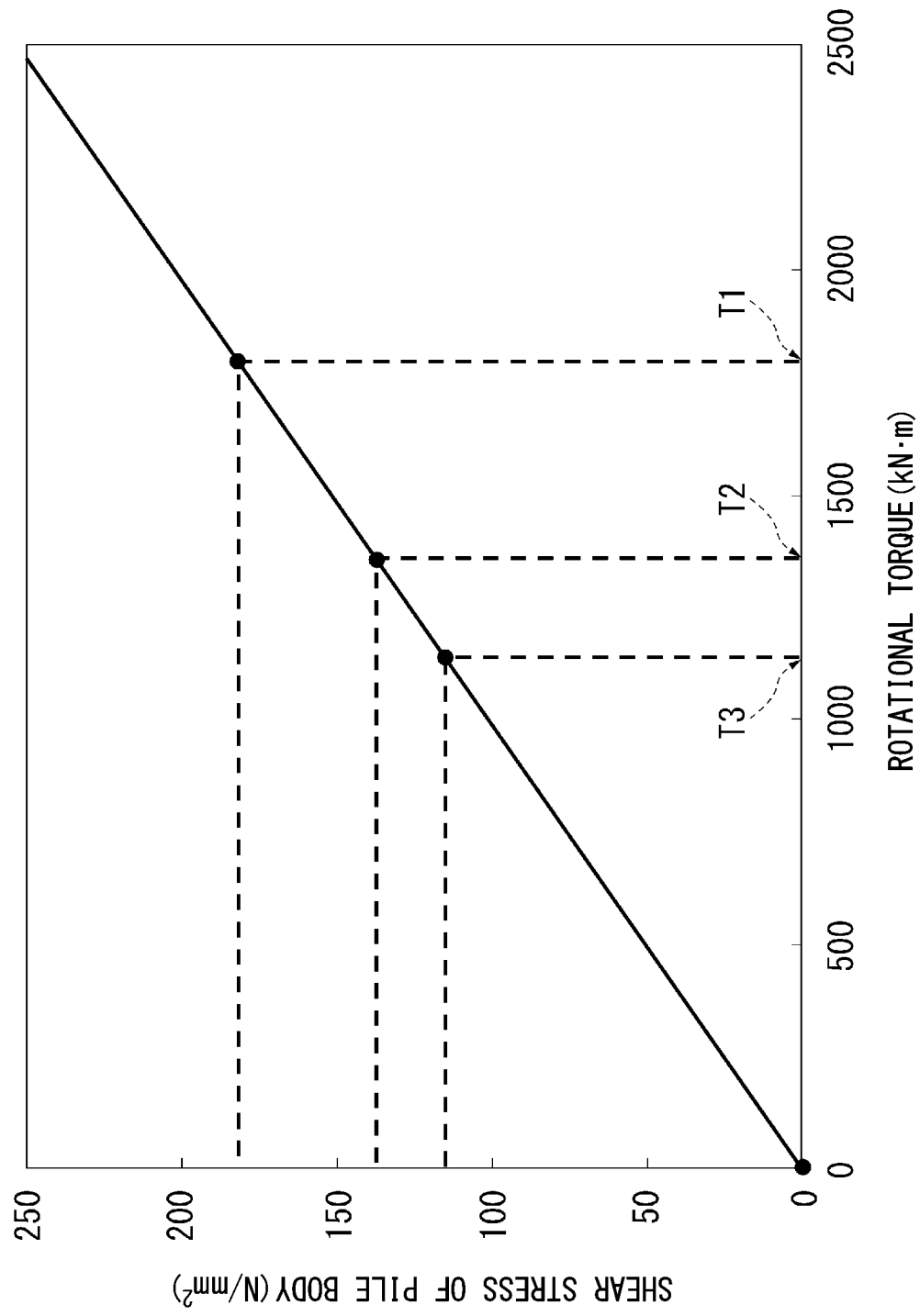


FIG. 9

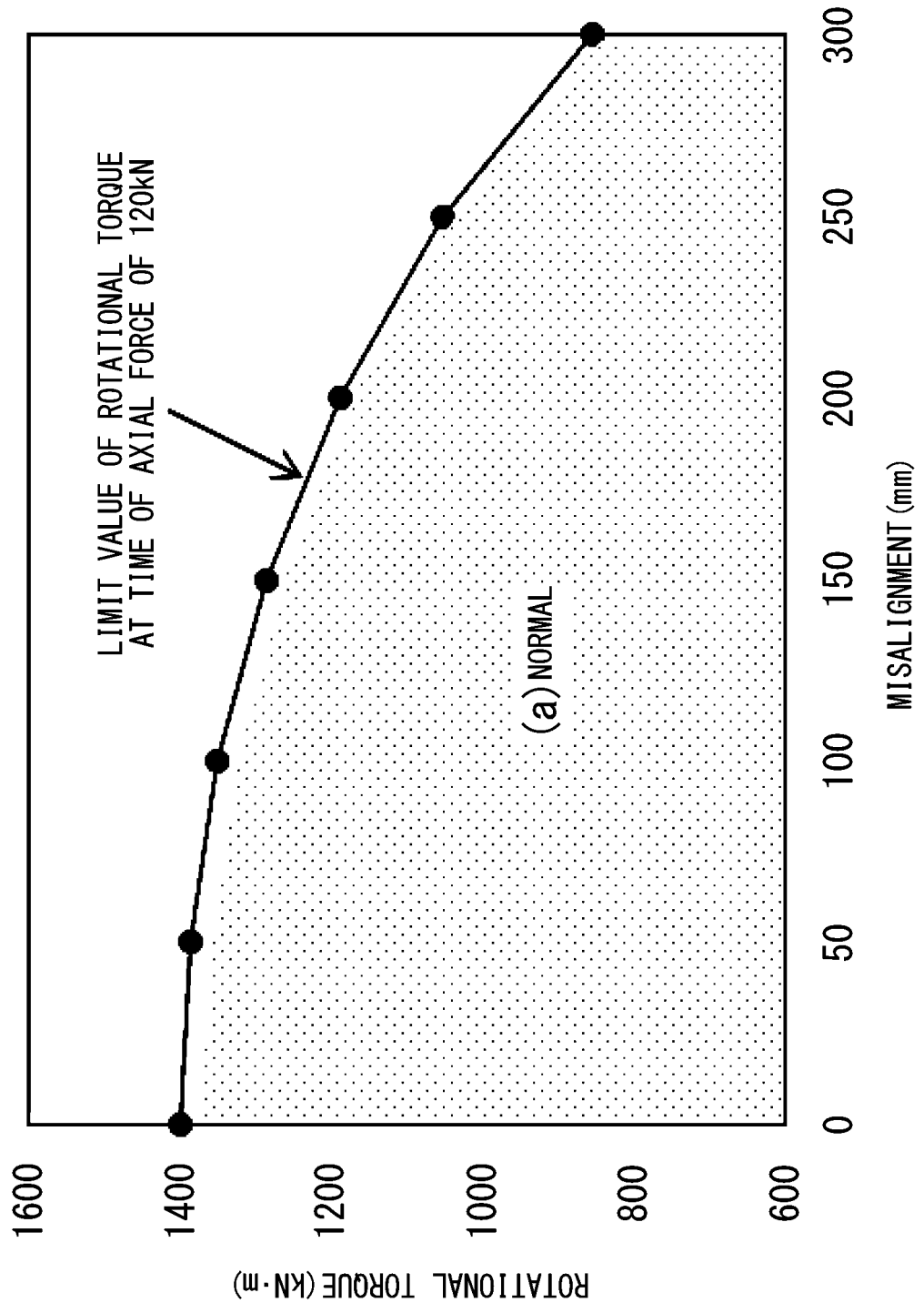


FIG. 10

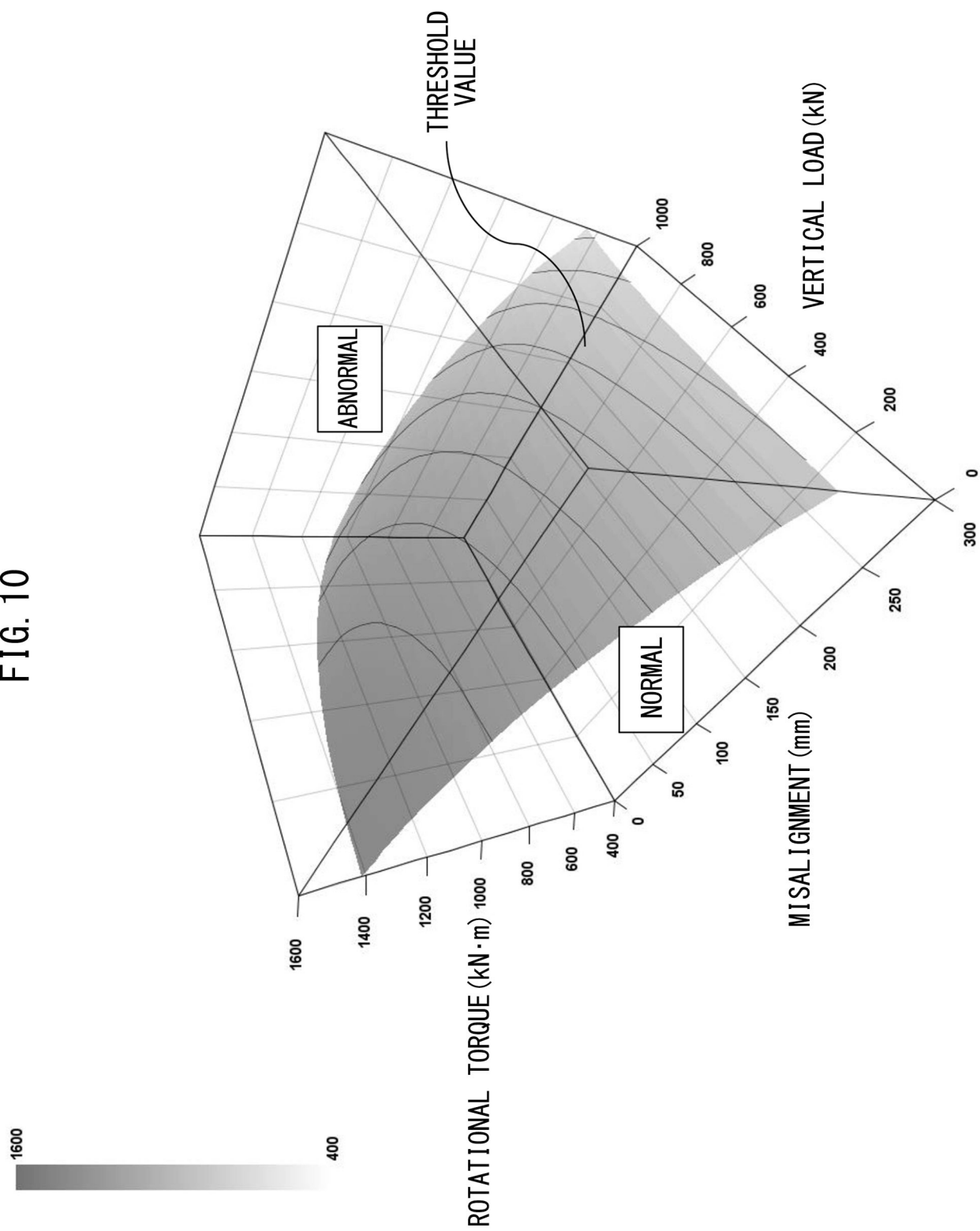


FIG. 11

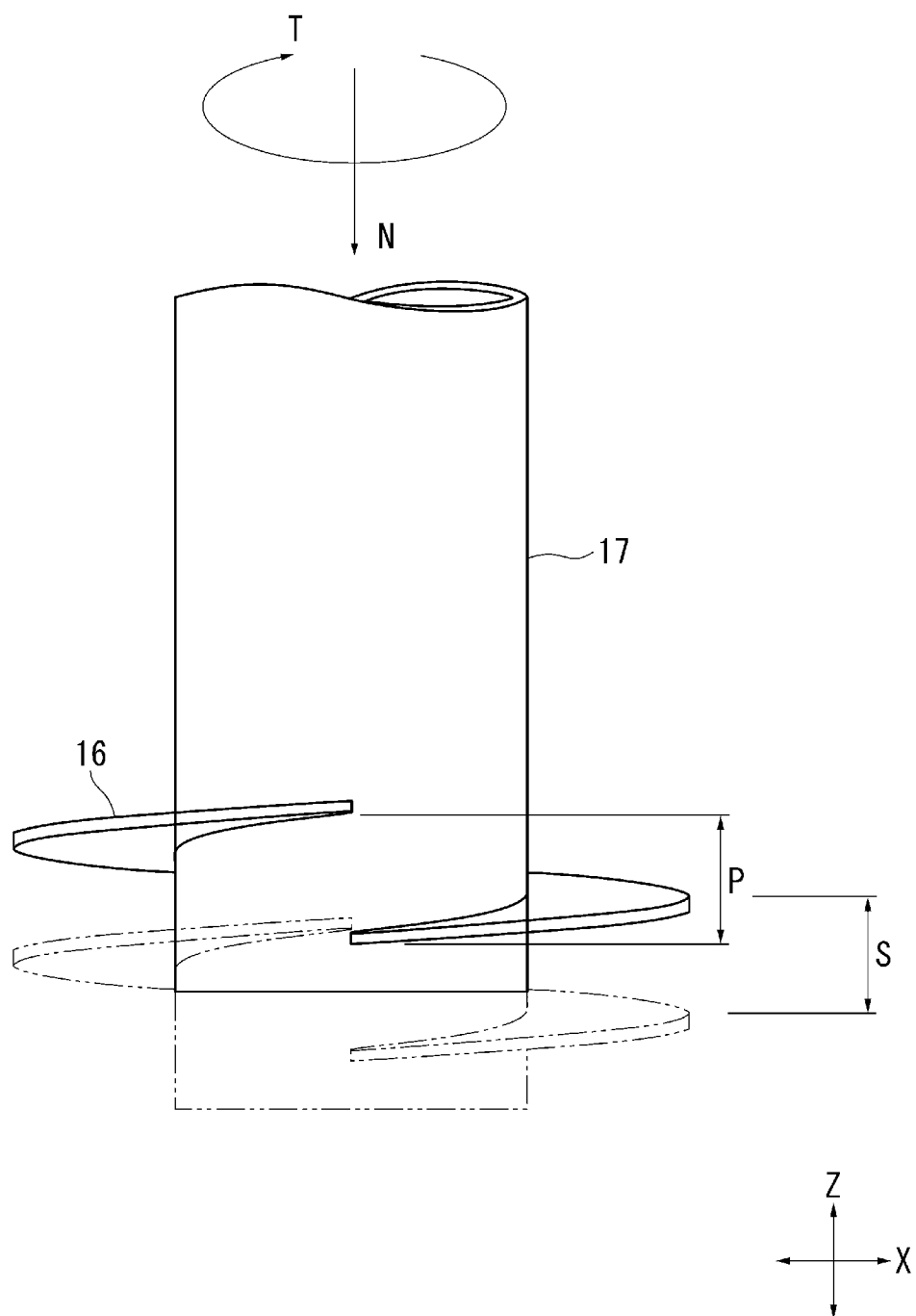


FIG. 12

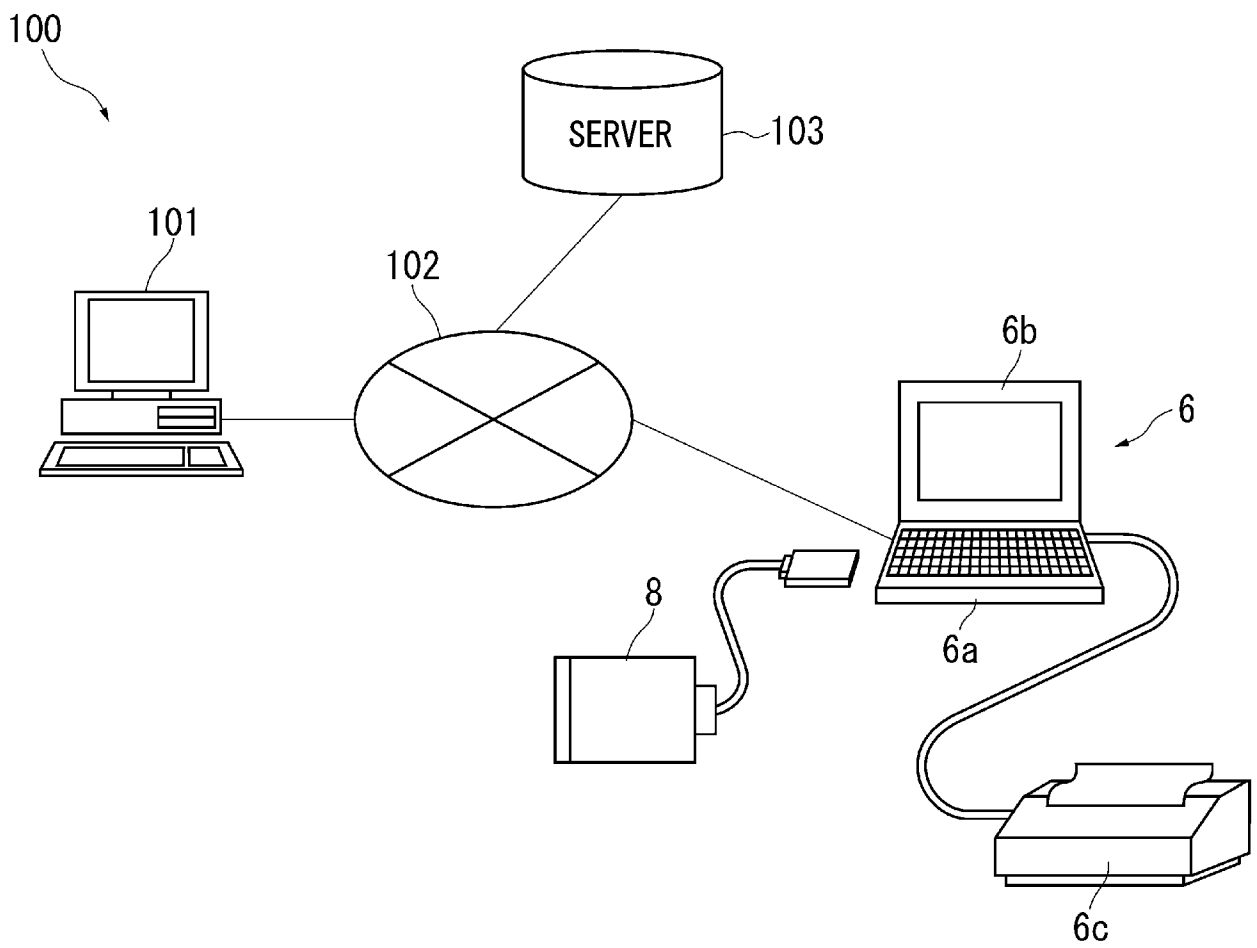


FIG. 13A

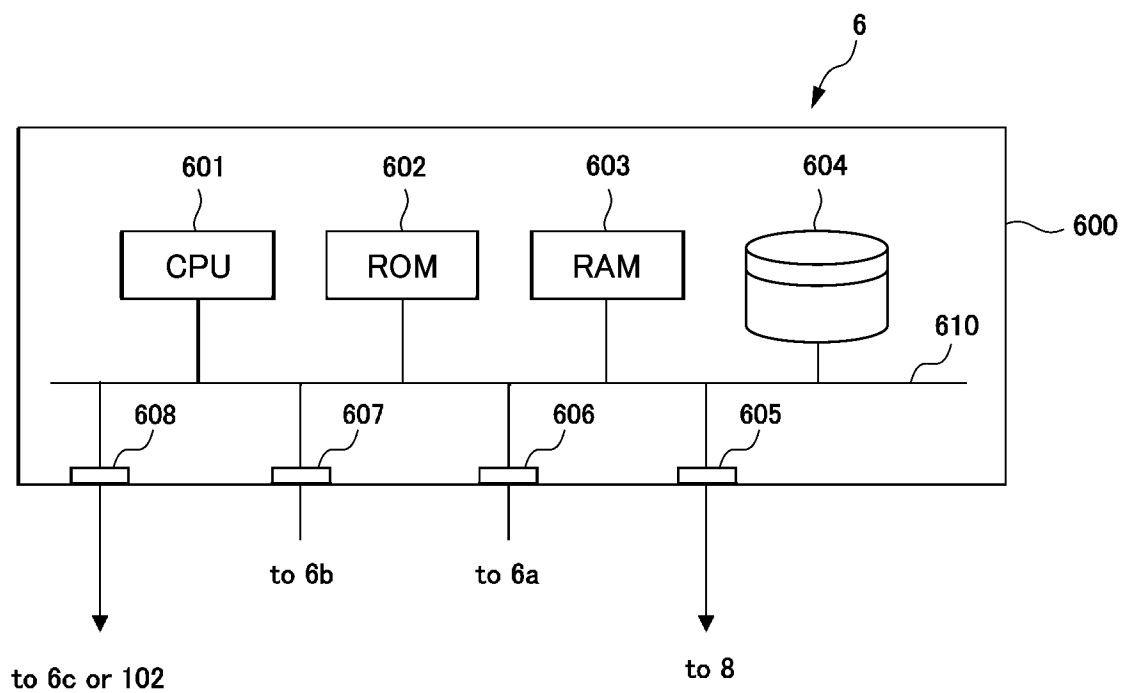


FIG. 13B

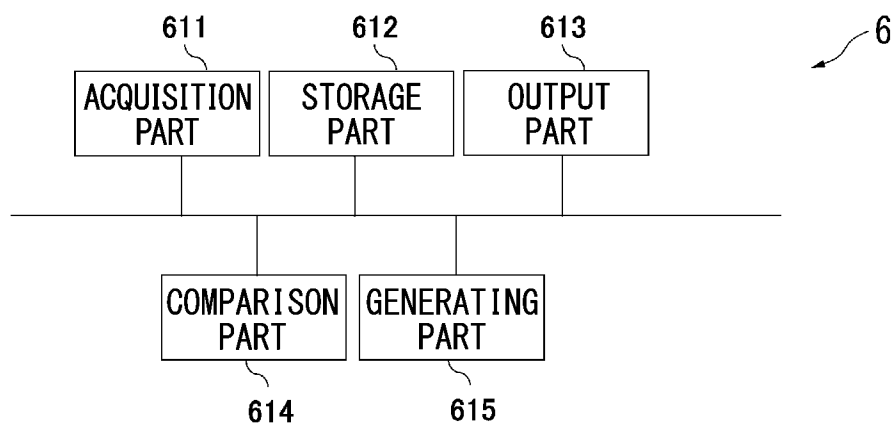


FIG. 14A

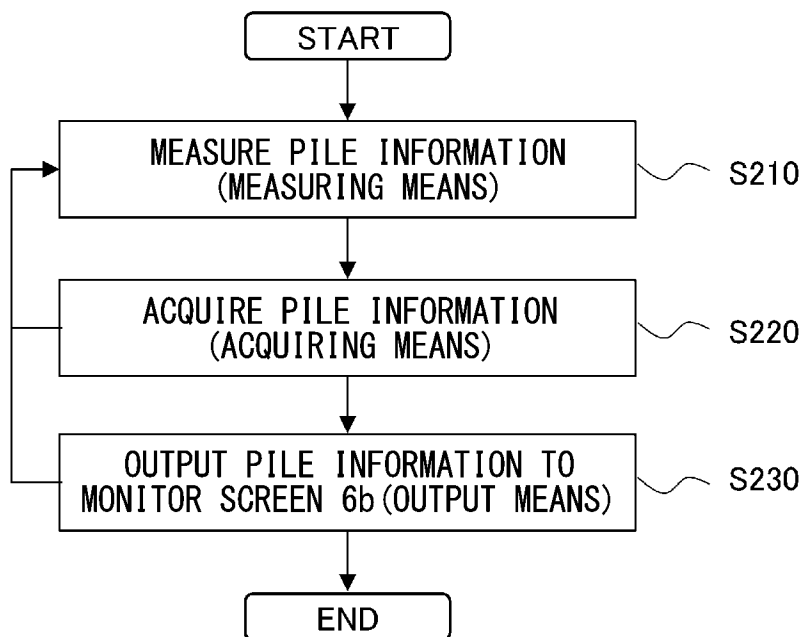


FIG. 14B

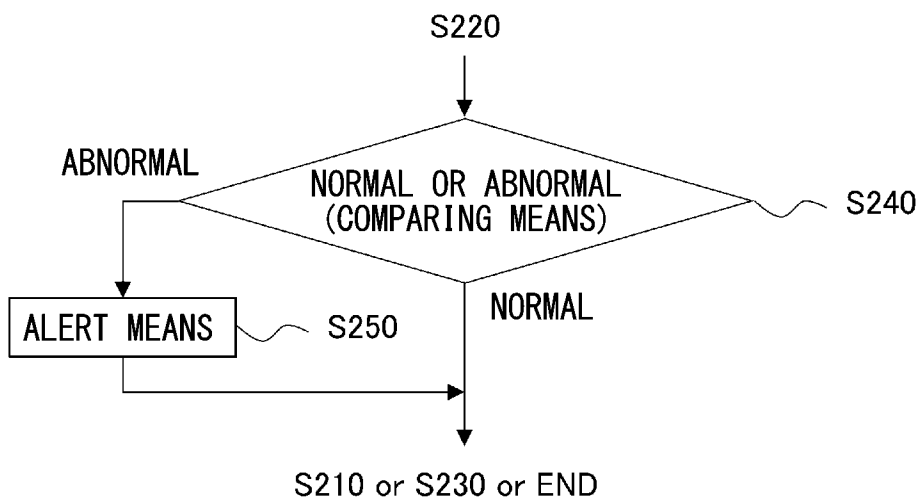


FIG. 15

