

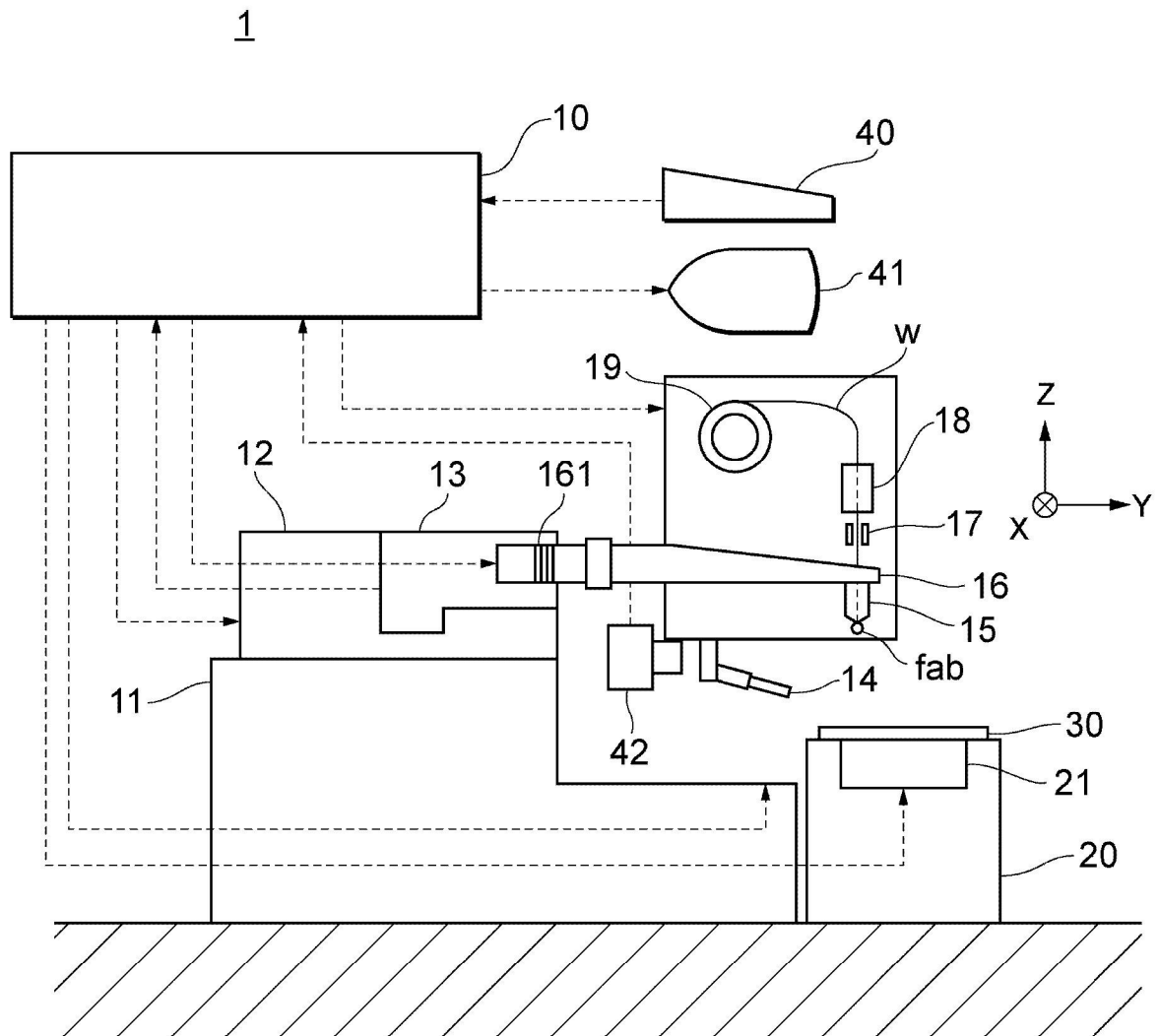


FIG. 1

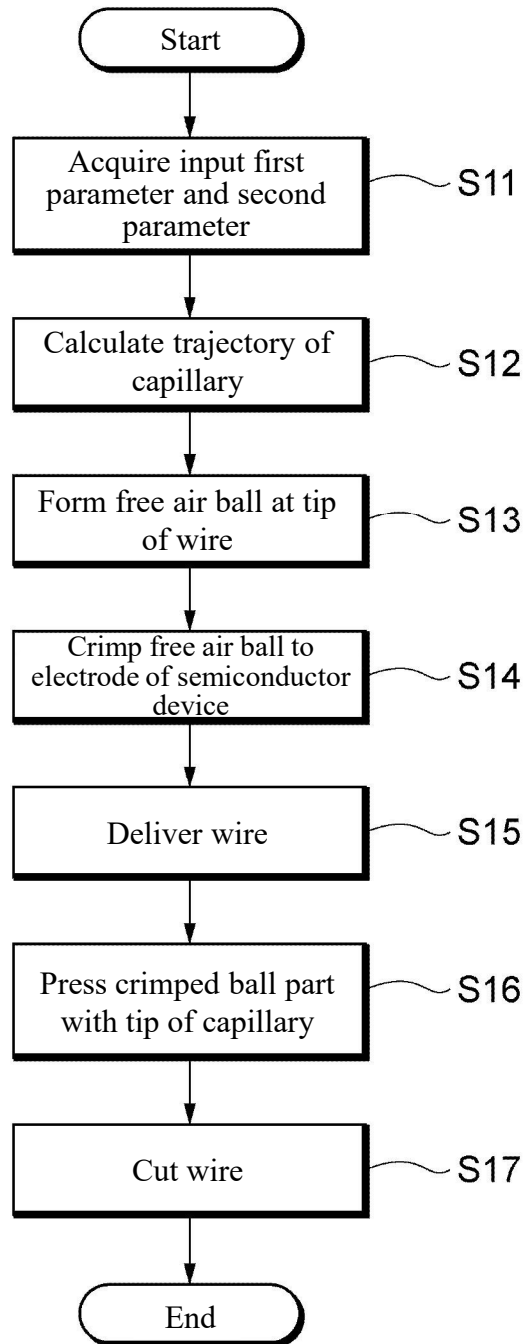
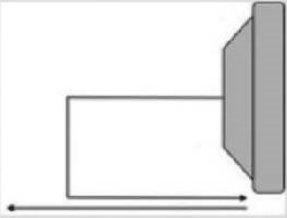


FIG. 2

Shape

Mode 1

Mode 2



Calculation parameter setting

Resource

Wire

Material

Diameter

Capillary

Hole diameter

Chamfer diameter

Chamfer angle

Spark

FAB diameter

Crimped ball diameter and thickness

Crimped ball diameter (X, Y)

Crimped ball thickness (Z)

Calculate

Calculation result

1st Step

Ascending distance

Reverse distance

Descending distance

Others

Reverse direction

Reverse angle

Reflect

Cancel

FIG. 3

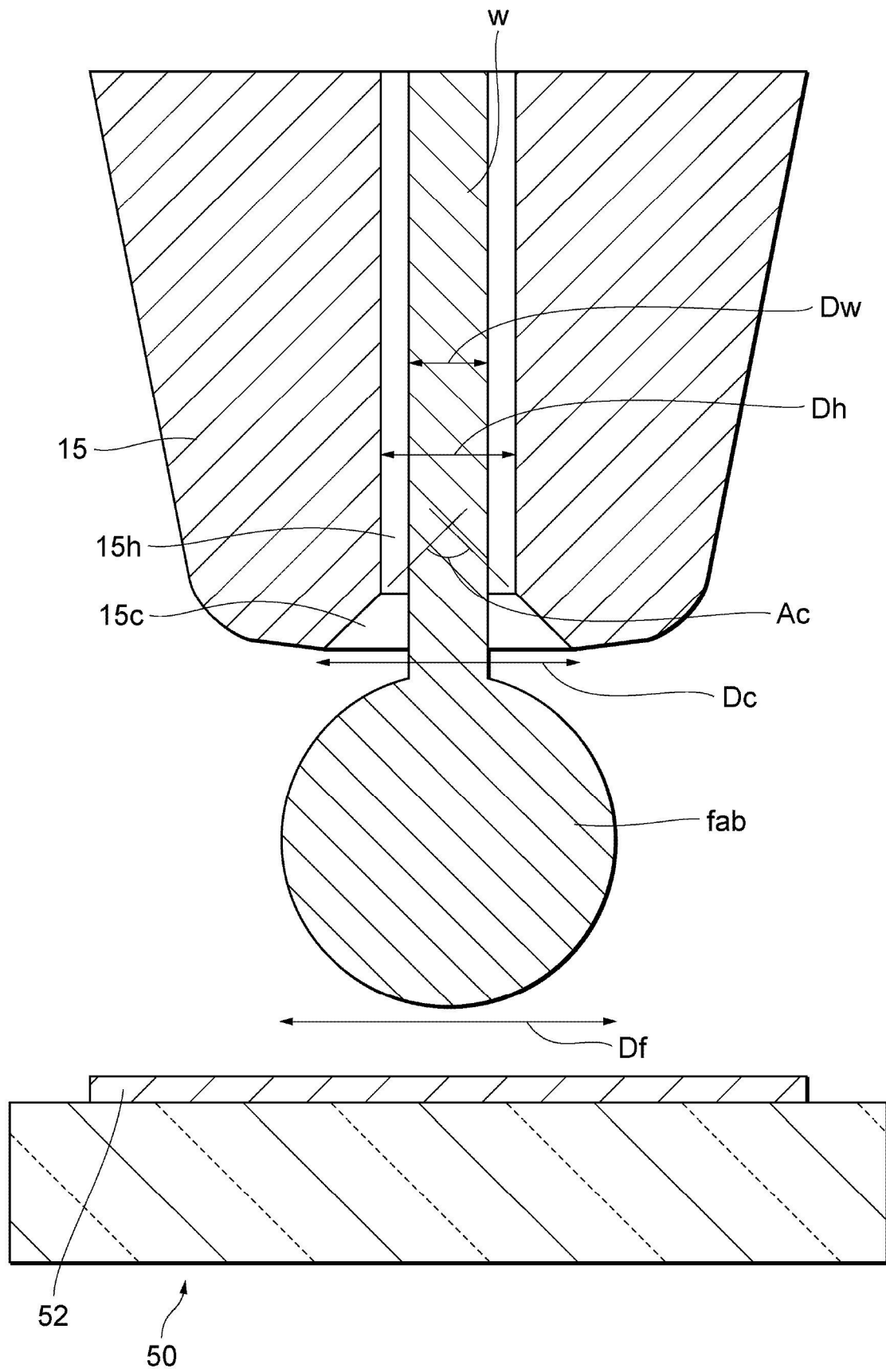
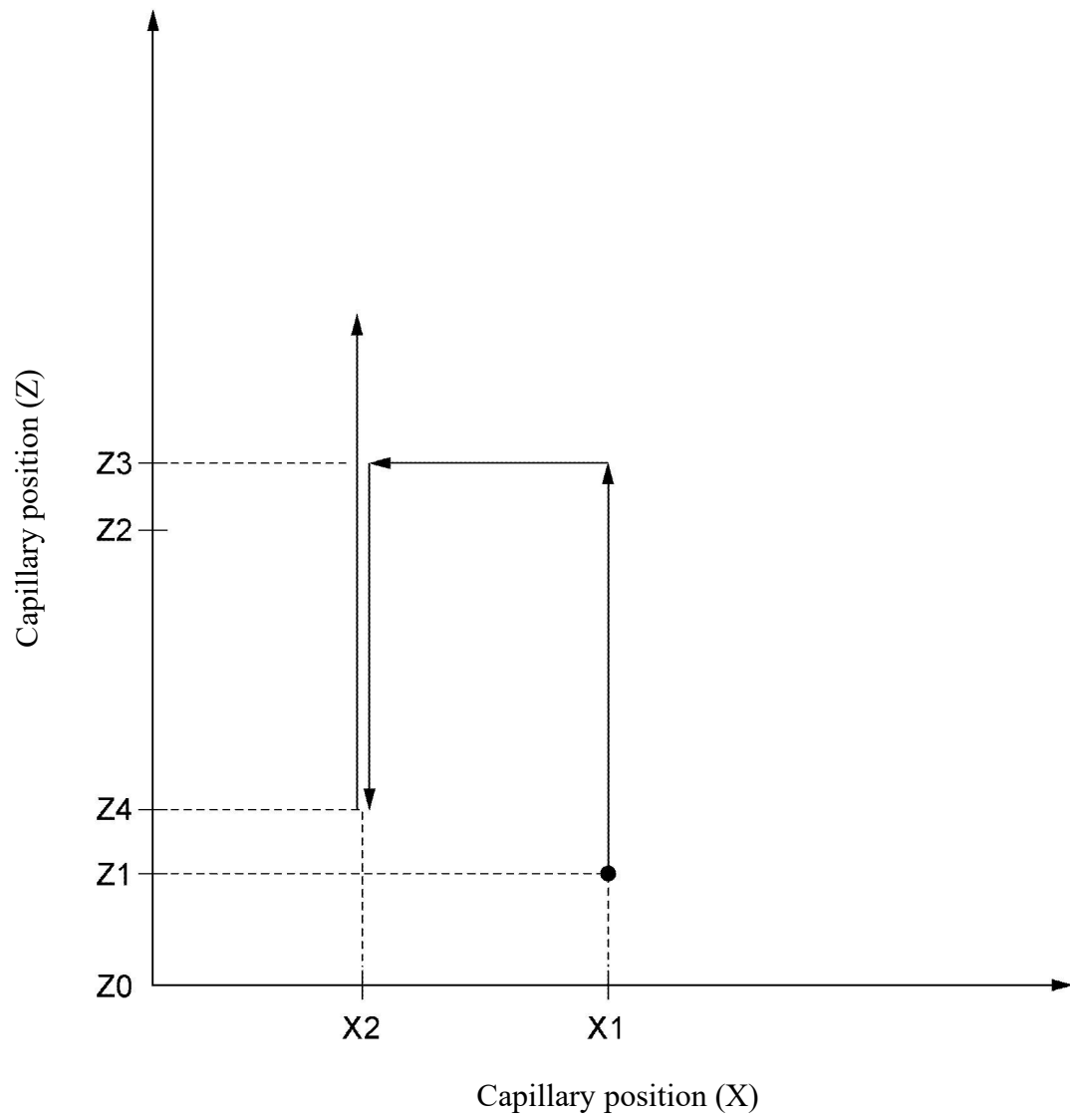


FIG. 4

**FIG. 6**

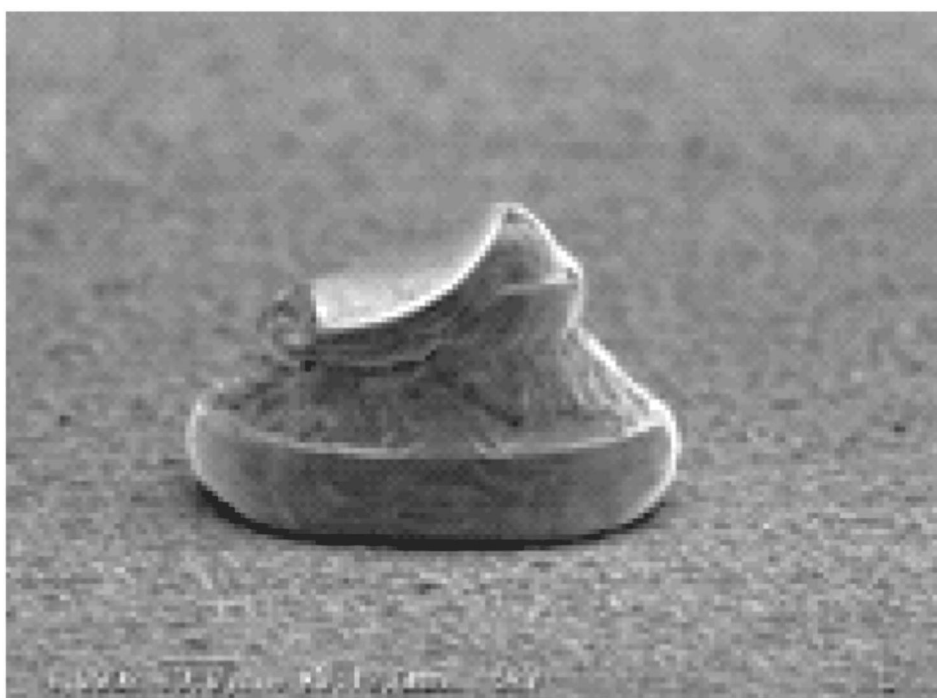


FIG. 7

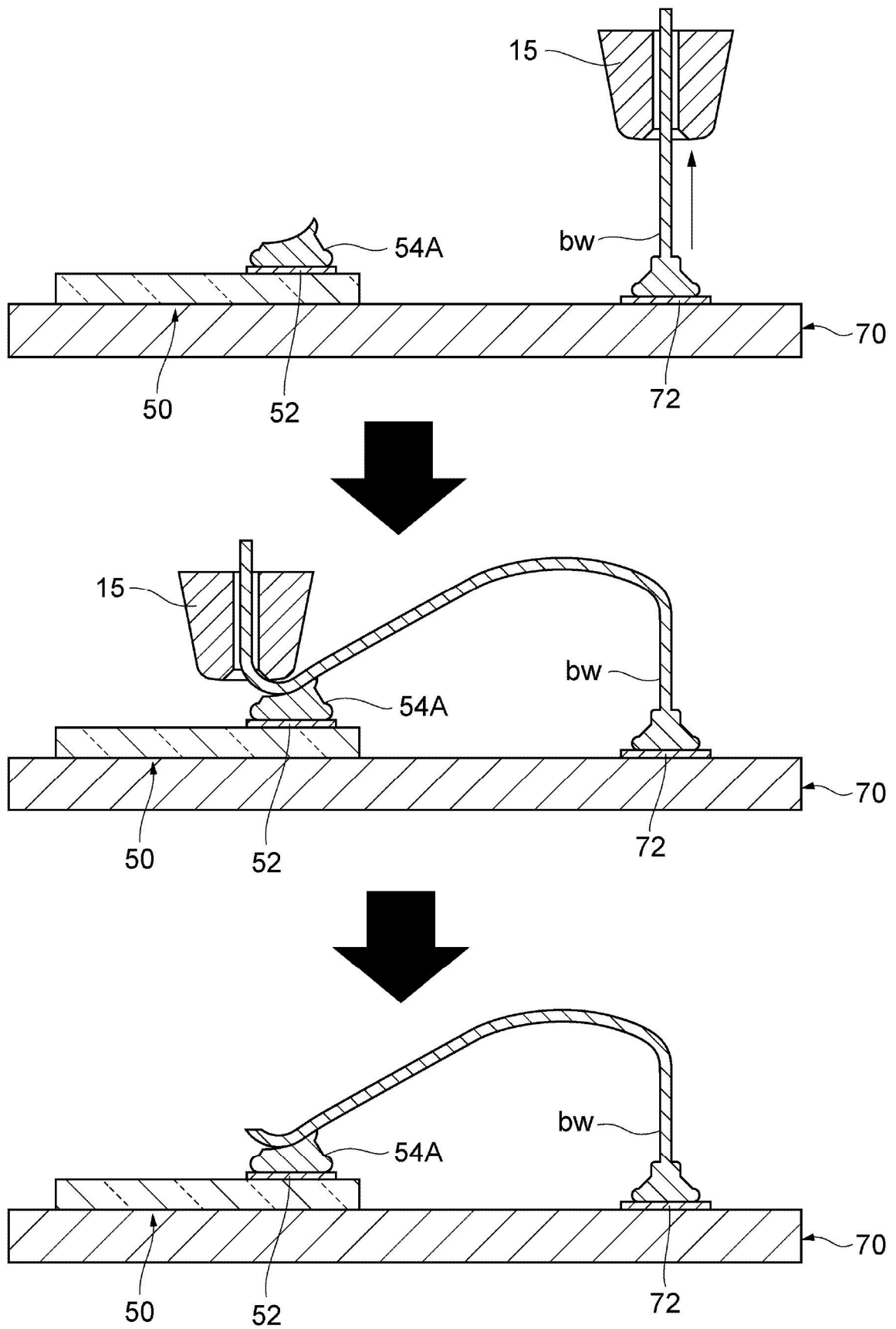


FIG. 8

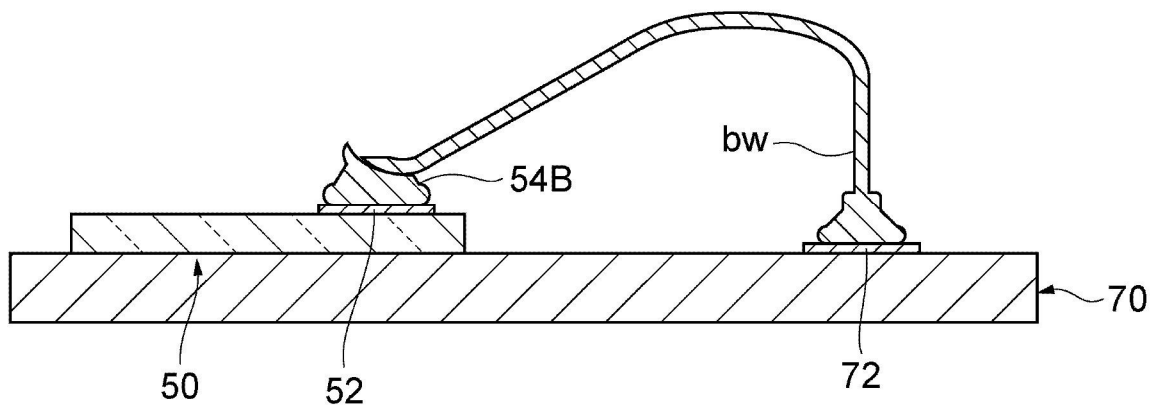


FIG. 9

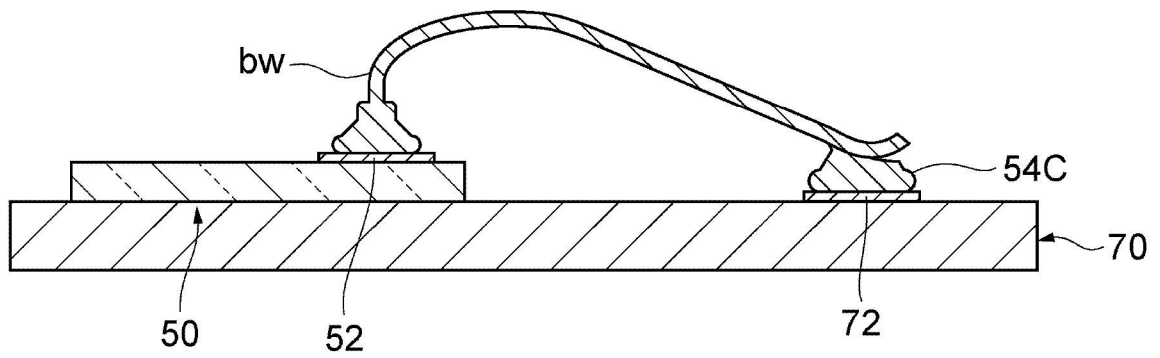


FIG. 10

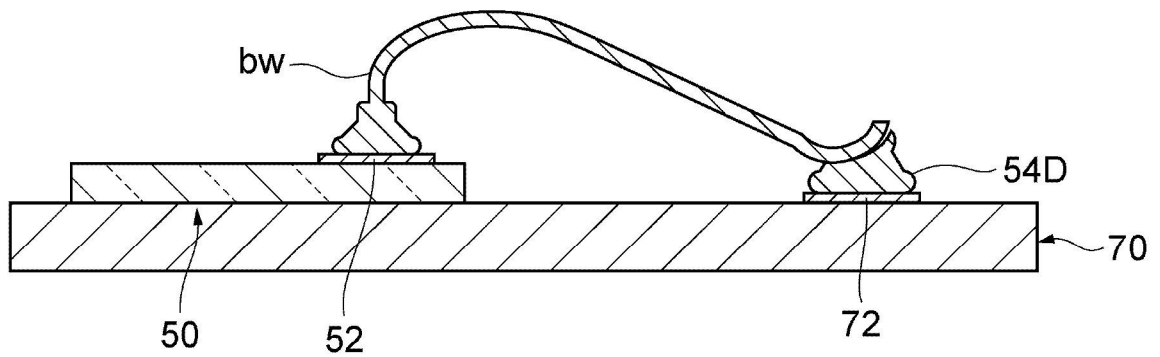


FIG. 11

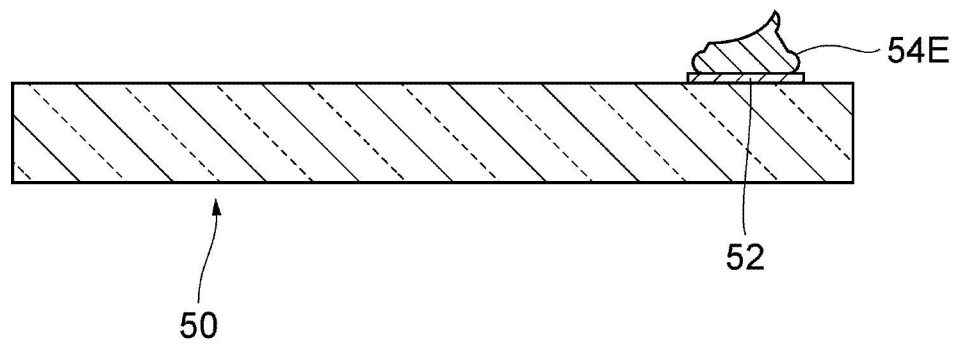


FIG. 12

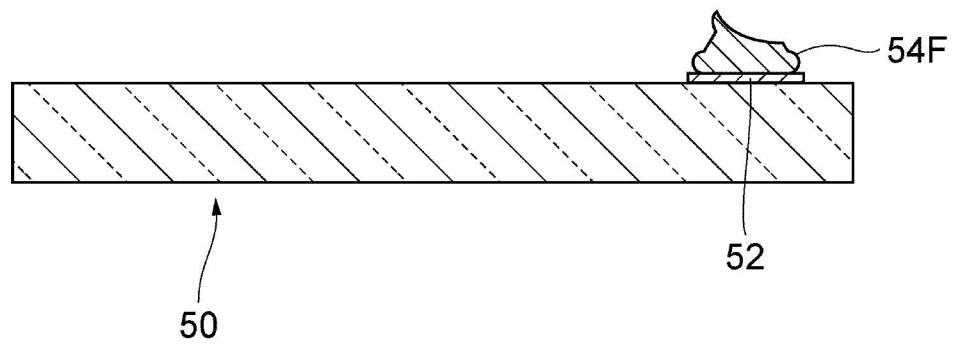


FIG. 13

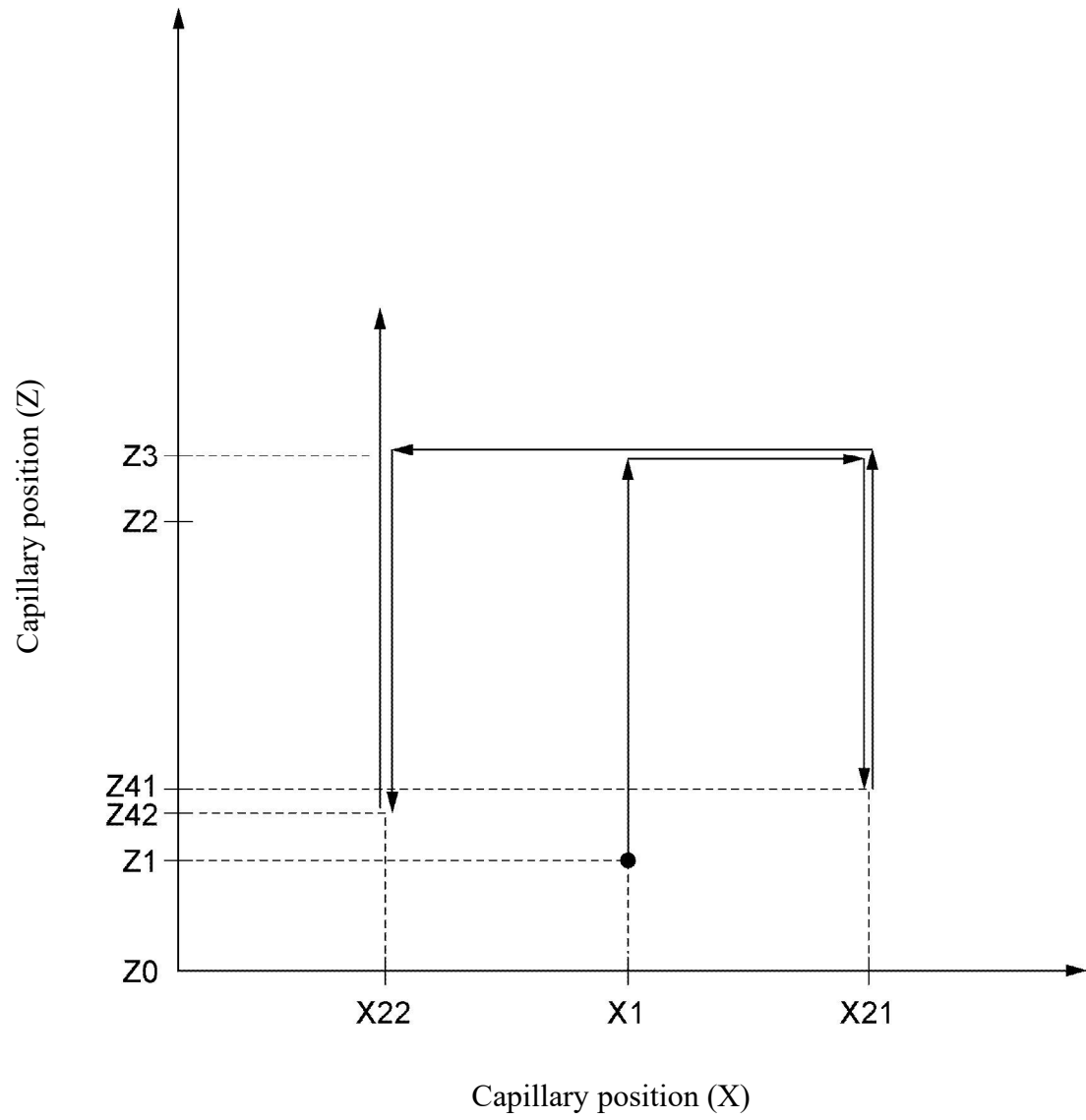


FIG. 14

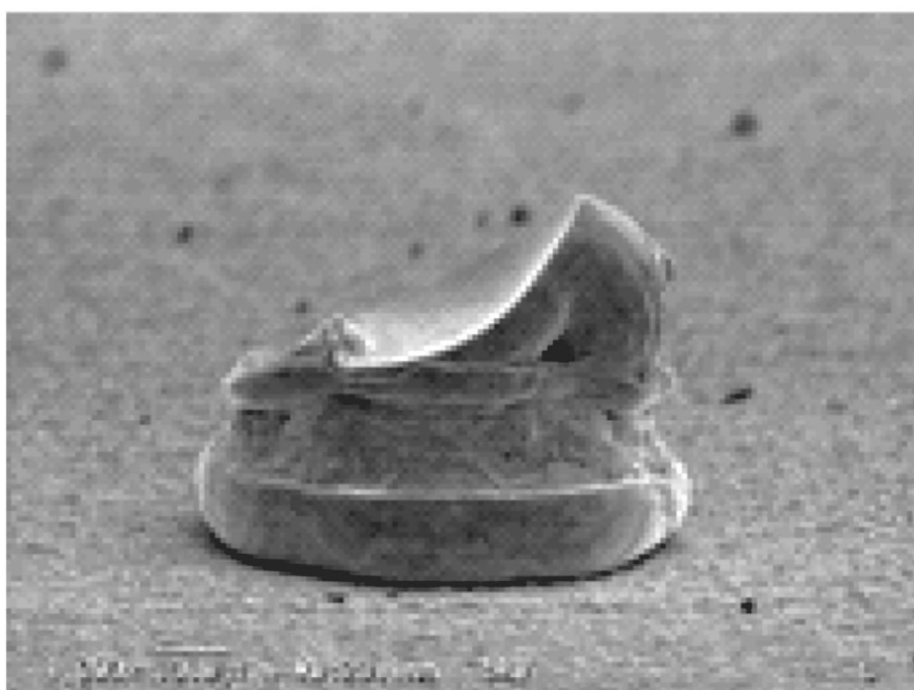


FIG. 15