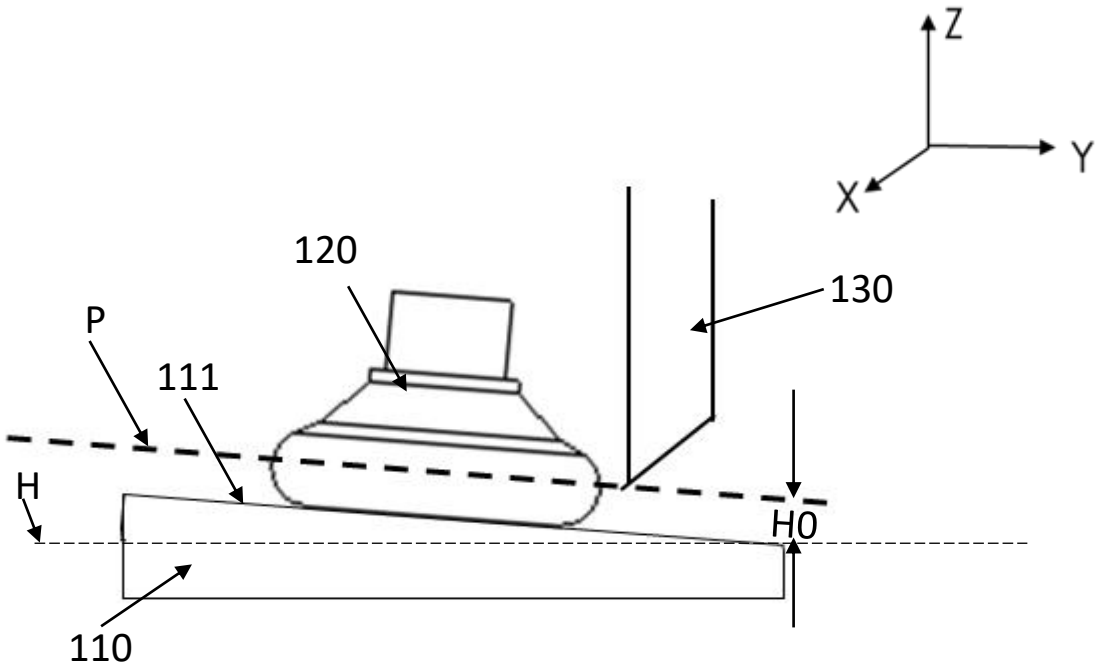

Z
Y
X
120
130
P
111
H
H0
110

FIG. 1A

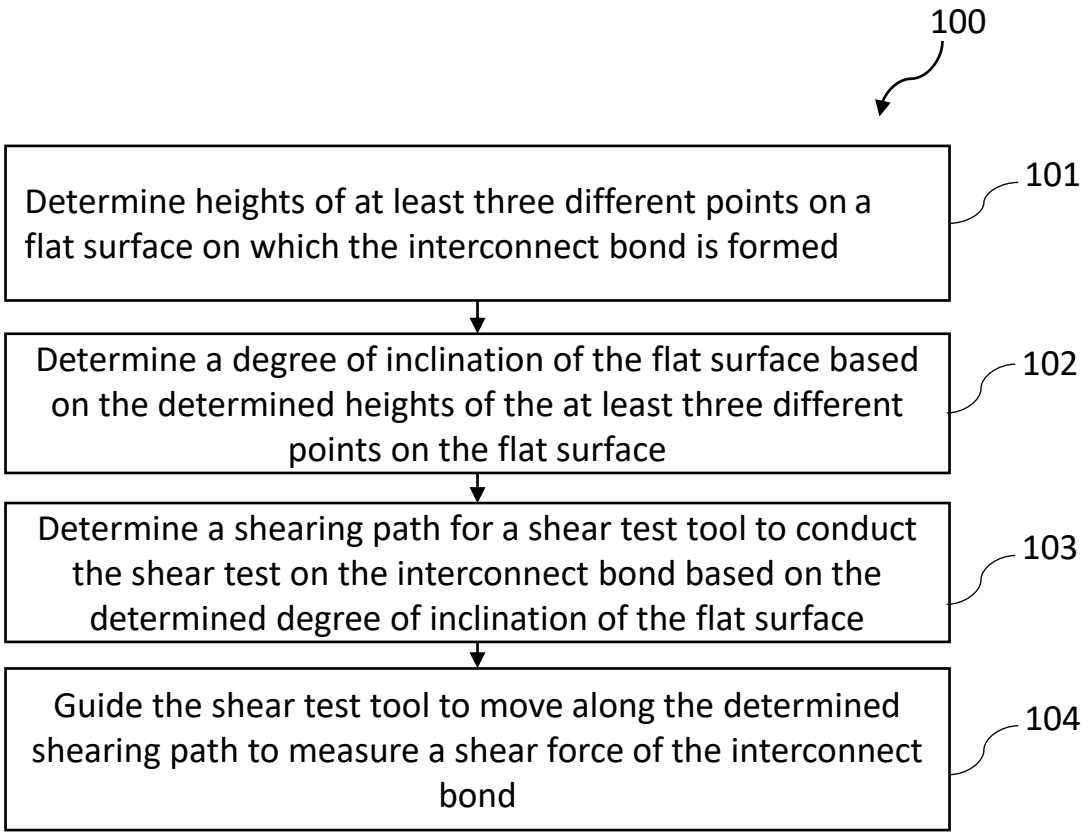

100
Determine heights of at least three different points on a flat surface on which the interconnect bond is formed
101
Determine a degree of inclination of the flat surface based on the determined heights of the at least three different points on the flat surface
102
Determine a shearing path for a shear test tool to conduct the shear test on the interconnect bond based on the determined degree of inclination of the flat surface
103
Guide the shear test tool to move along the determined shearing path to measure a shear force of the interconnect bond
104

FIG. 1B

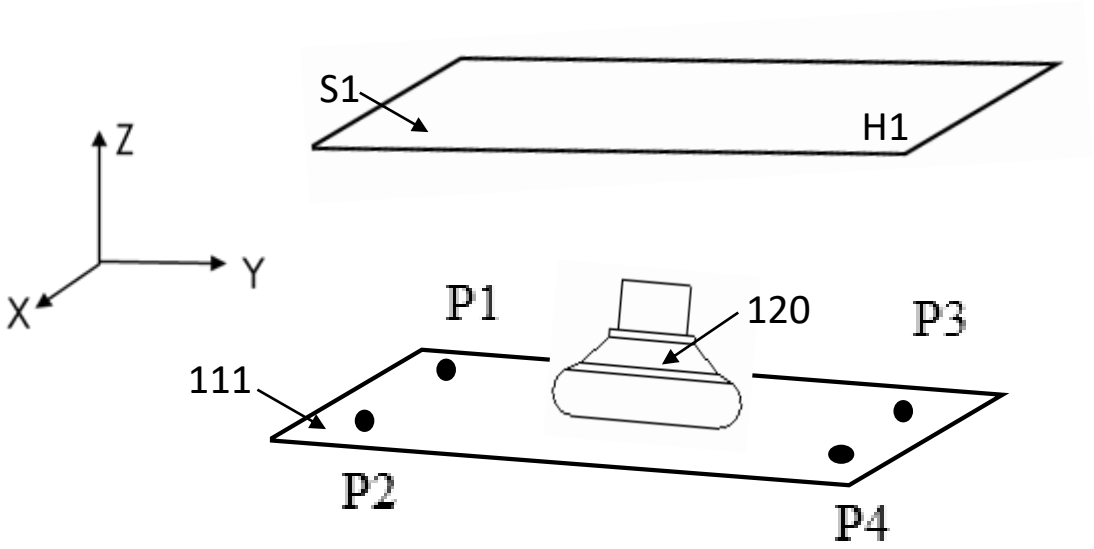

S1
H1
Z
Y
X
P1
120
P3
111
P2
P4

FIG. 1C

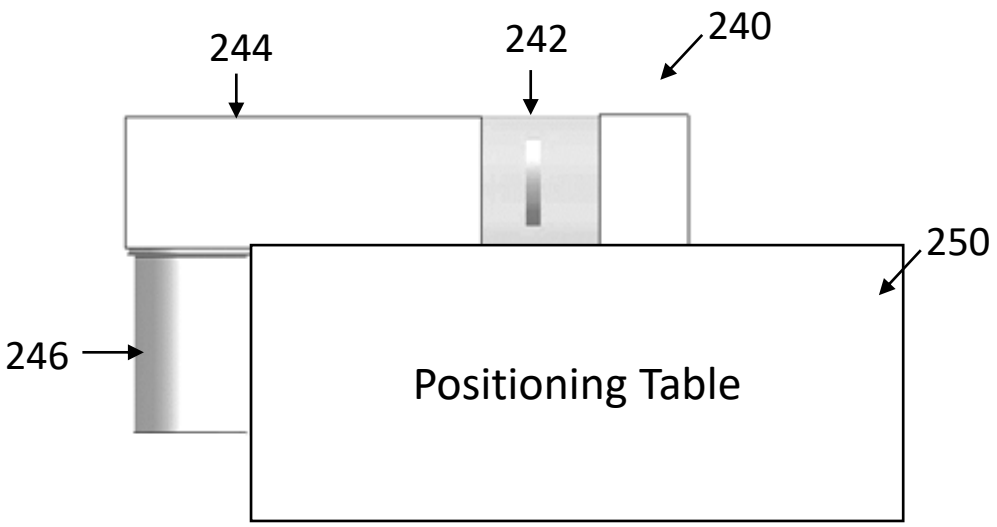

244
242
240
250
246
Positioning Table

FIG. 2A

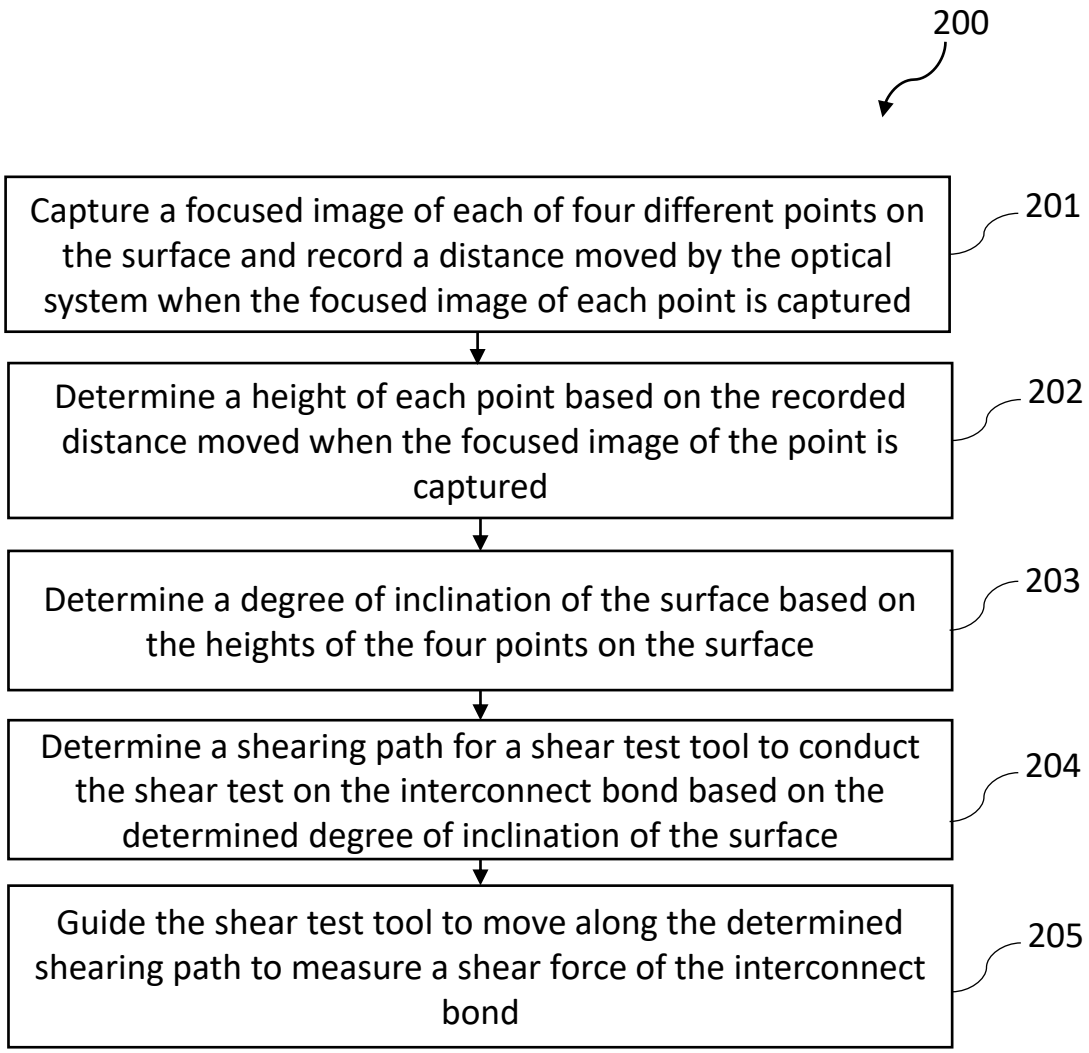

200
Capture a focused image of each of four different points on the surface and record a distance moved by the optical system when the focused image of each point is captured
201
Determine a height of each point based on the recorded distance moved when the focused image of the point is captured
202
Determine a degree of inclination of the surface based on the heights of the four points on the surface
203
Determine a shearing path for a shear test tool to conduct the shear test on the interconnect bond based on the determined degree of inclination of the surface
204
Guide the shear test tool to move along the determined shearing path to measure a shear force of the interconnect bond
205

FIG. 2B

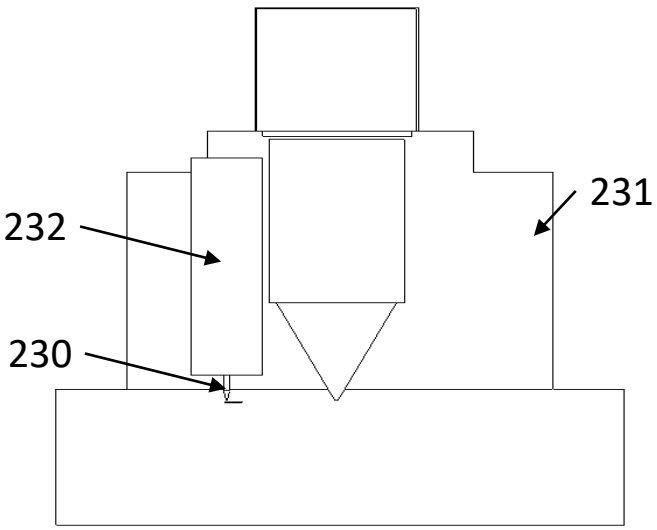

231
232
230

FIG. 3A

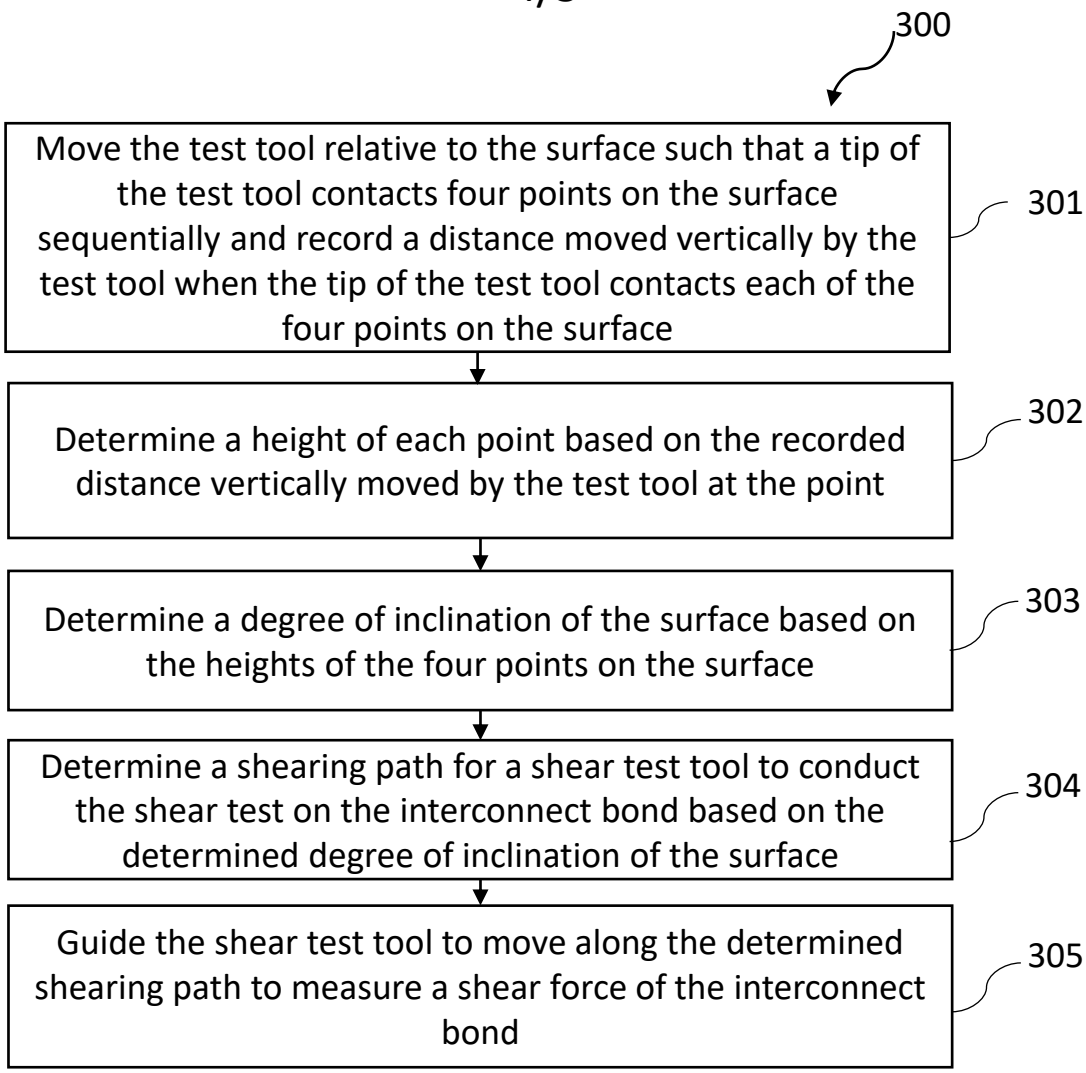


FIG. 3B

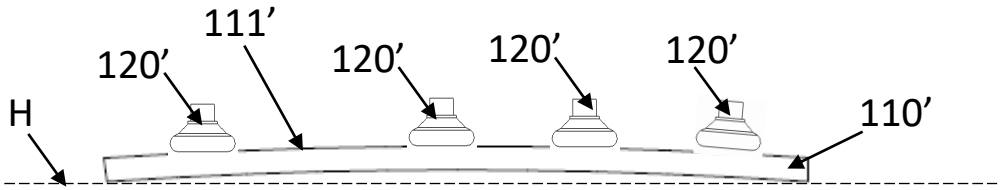


FIG. 4A

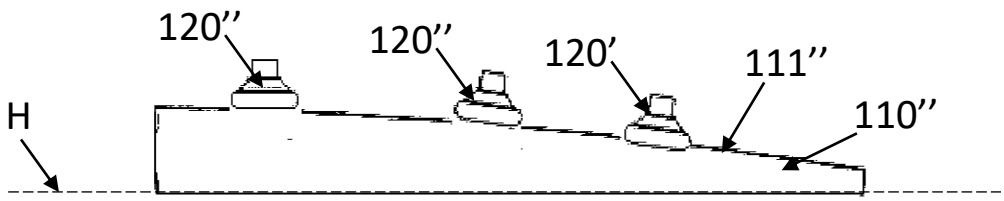


FIG. 4B

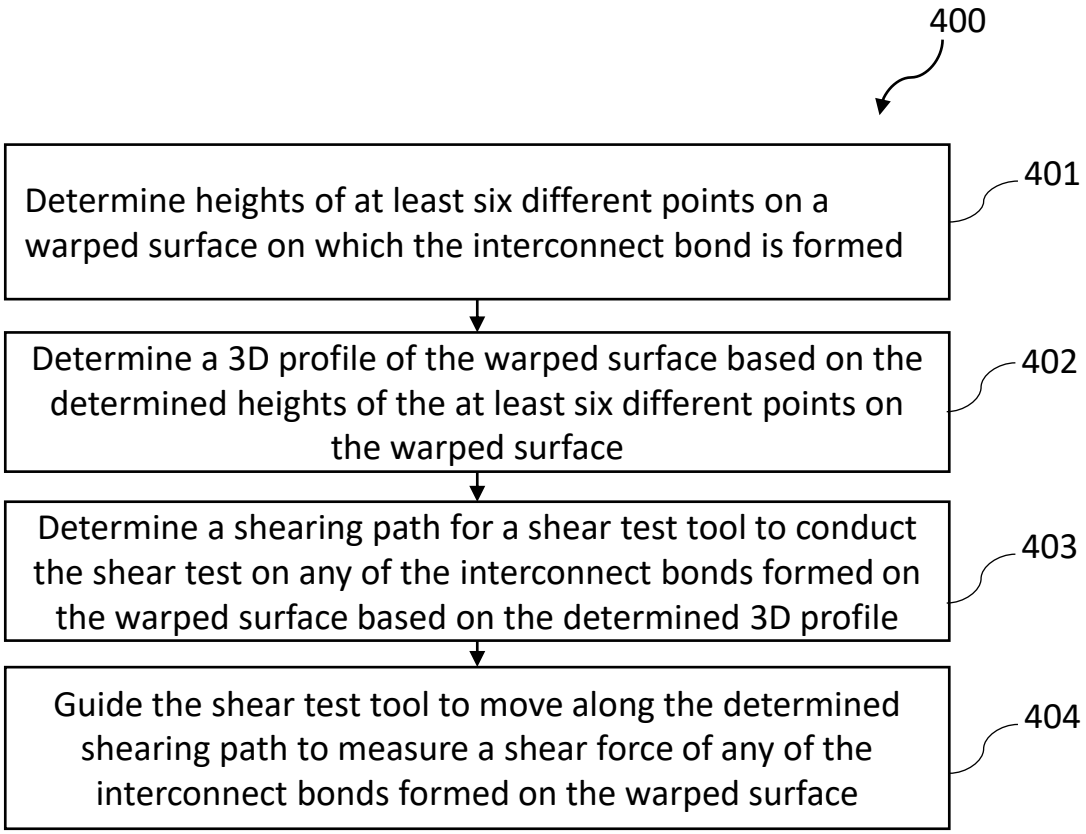

400
Determine heights of at least six different points on a warped surface on which the interconnect bond is formed
401
Determine a 3D profile of the warped surface based on the determined heights of the at least six different points on the warped surface
402
Determine a shearing path for a shear test tool to conduct the shear test on any of the interconnect bonds formed on the warped surface based on the determined 3D profile
403
Guide the shear test tool to move along the determined shearing path to measure a shear force of any of the interconnect bonds formed on the warped surface
404

FIG. 4C

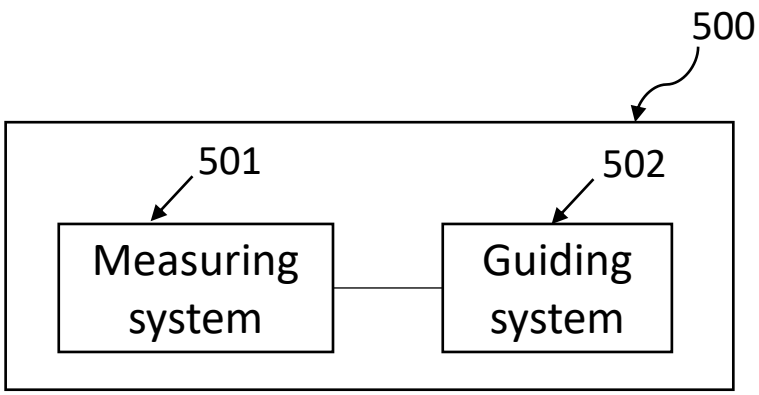

500
501
502
Measuring system
Guiding system

FIG. 5