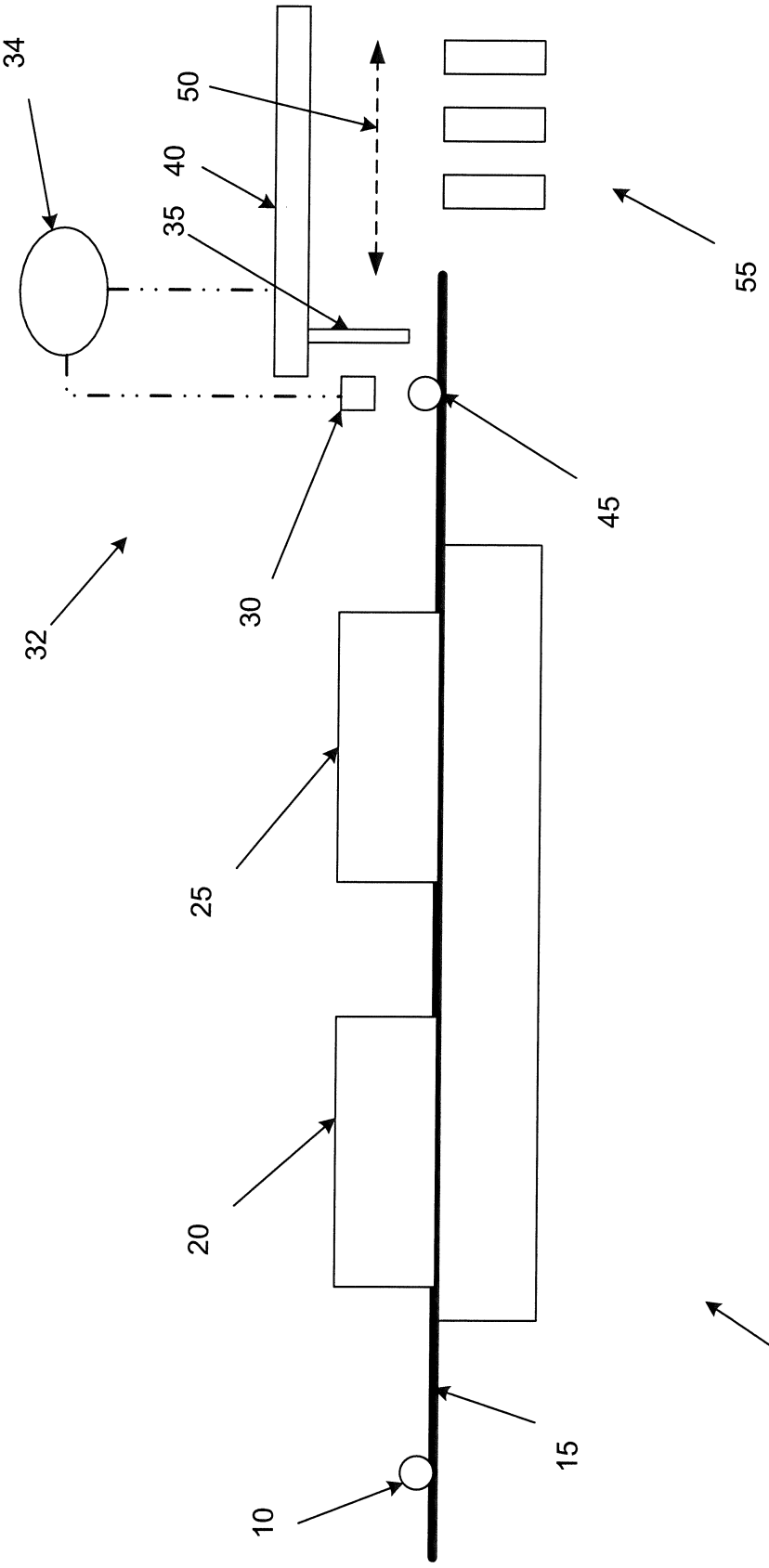



Figure 1

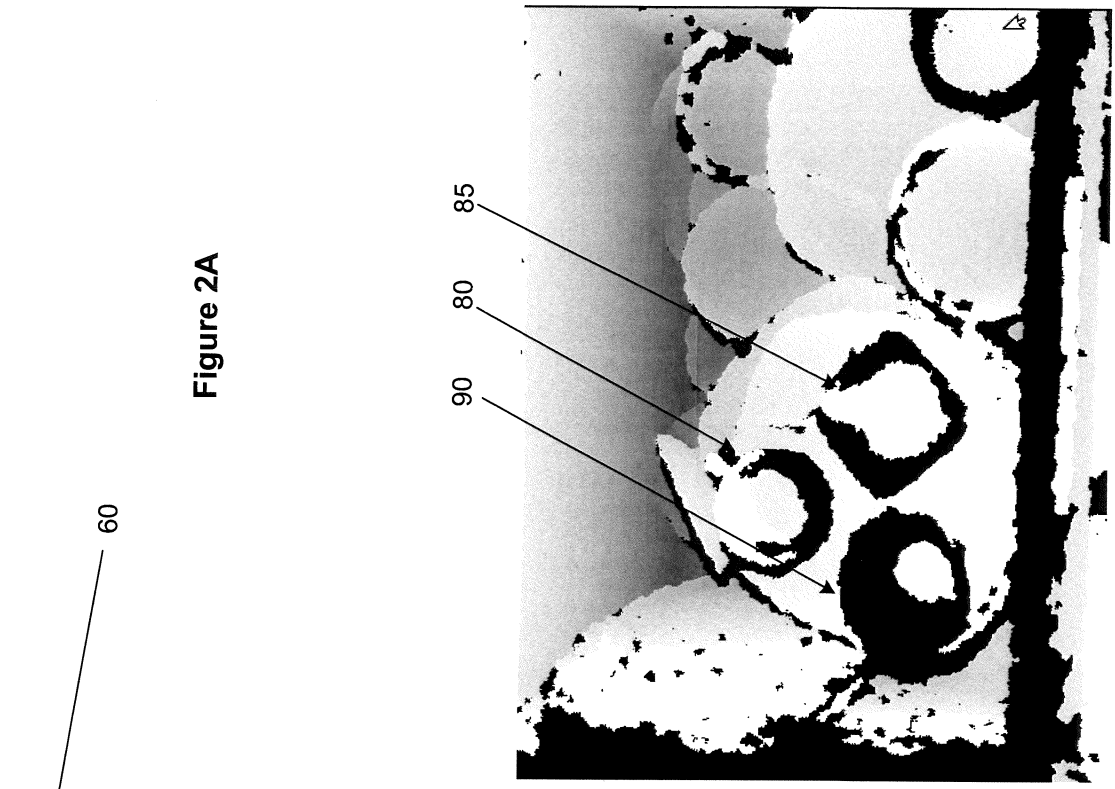



Figure 2A

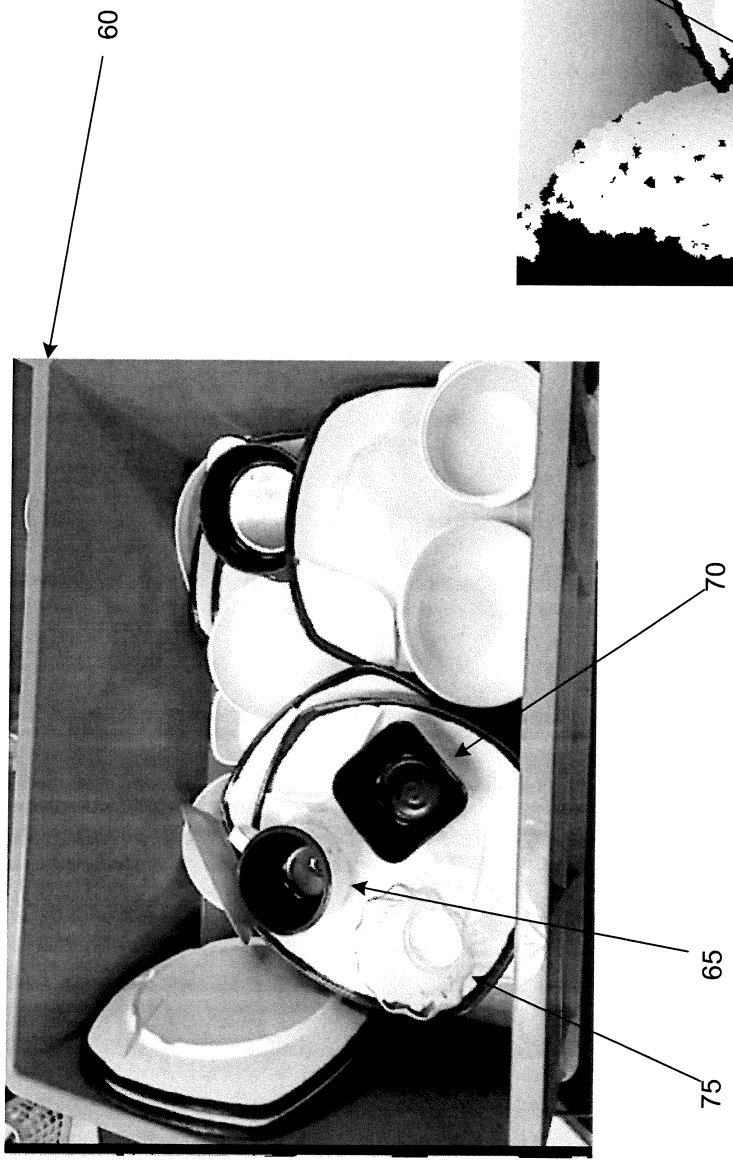



Figure 2B

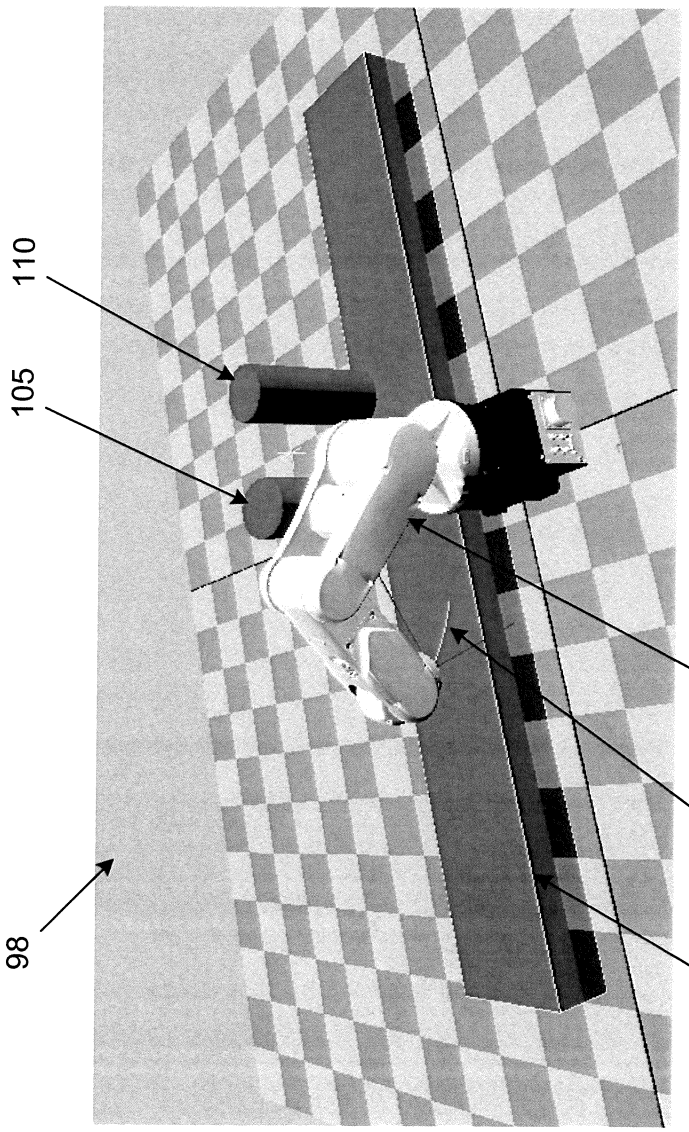



Figure 3

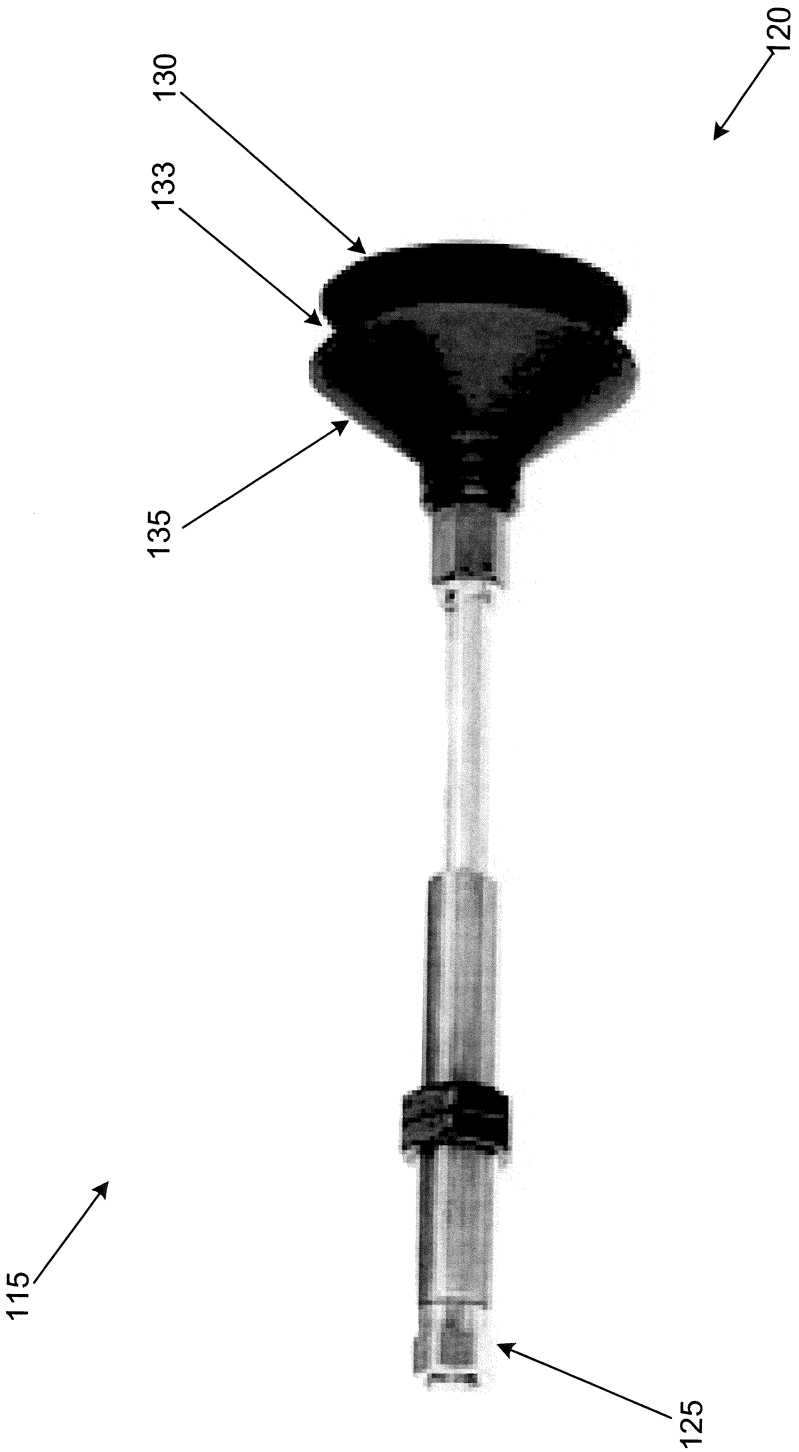



Figure 4

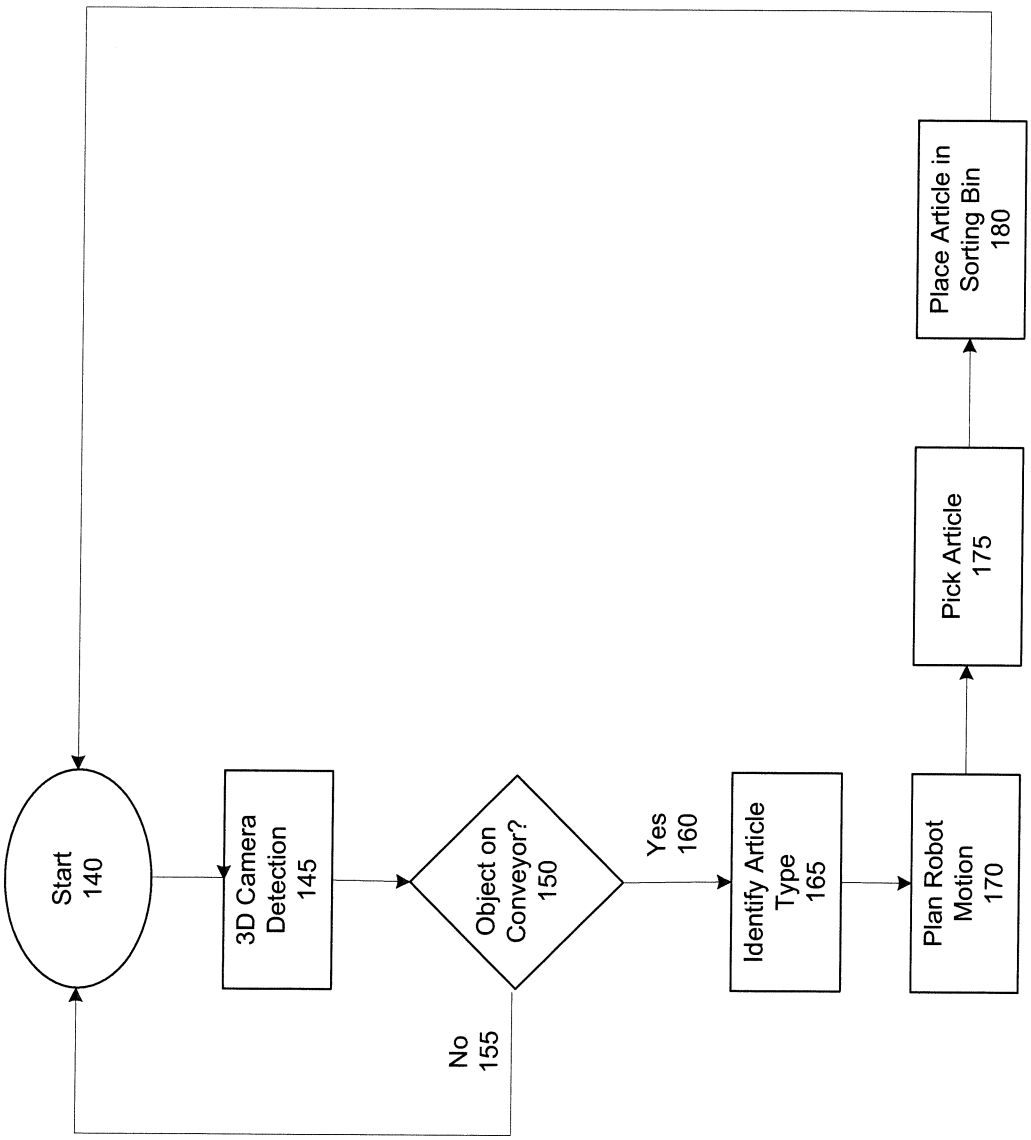

Start
140
3D Camera
Detection
145
Object on
Conveyor?
150
No
155
Yes
160
Identify Article
Type
165
Plan Robot
Motion
170
Pick Article
175
Place Article in
Sorting Bin
180

**Figure 5**

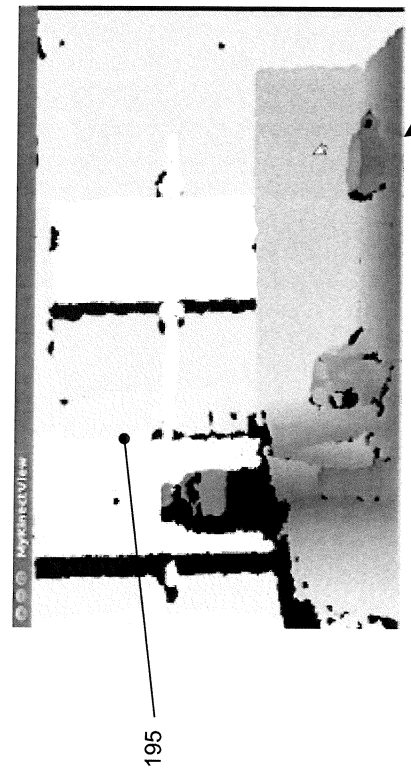



Figure 6B

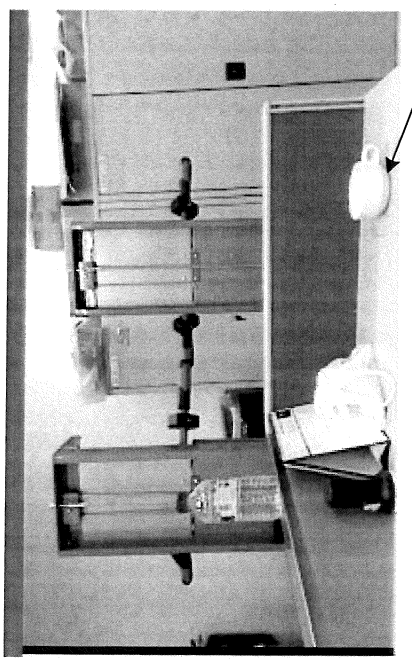



Figure 6A

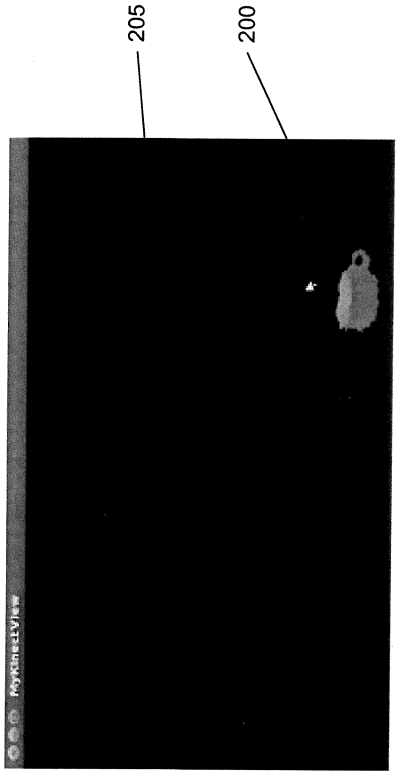



Figure 6C

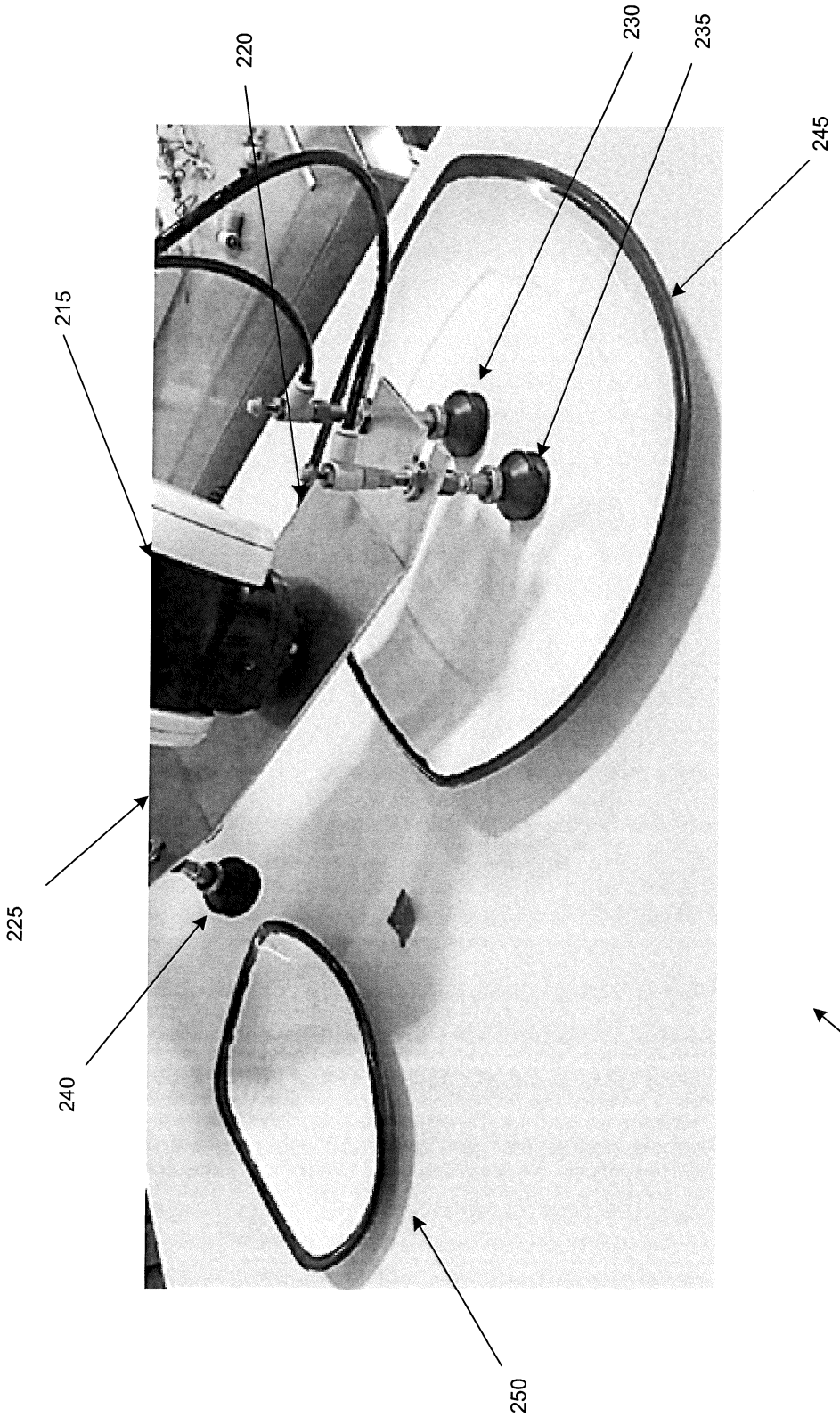



Figure 7