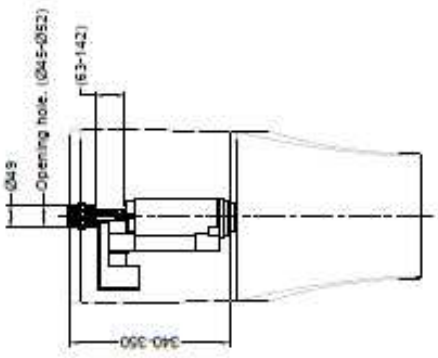


FIG. 1A

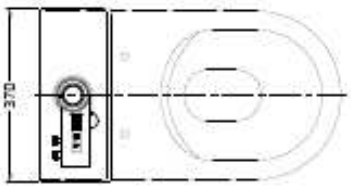


FIG. 1B

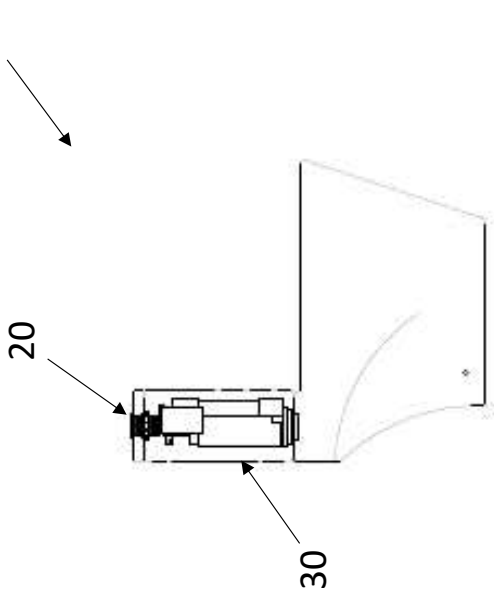


FIG. 1C

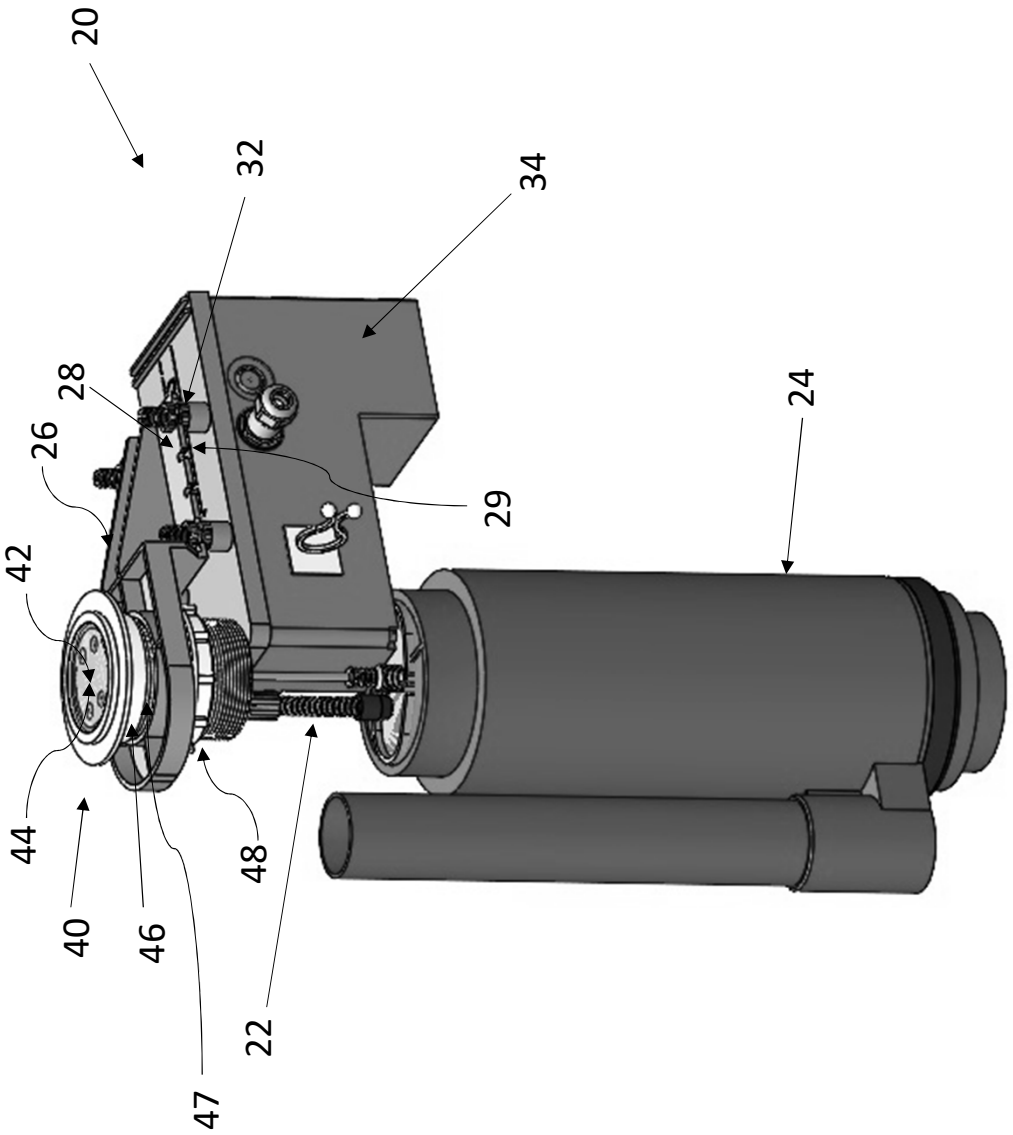


FIG. 2

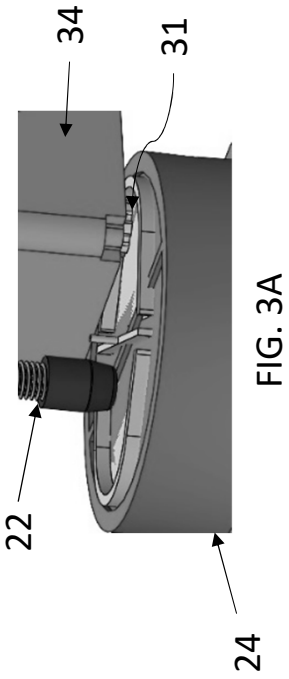


FIG. 3A

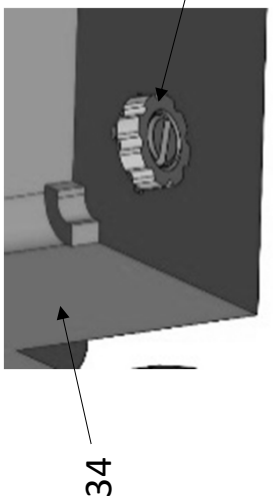


FIG. 3B

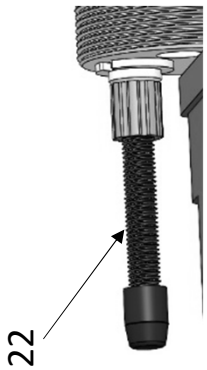


FIG. 3C

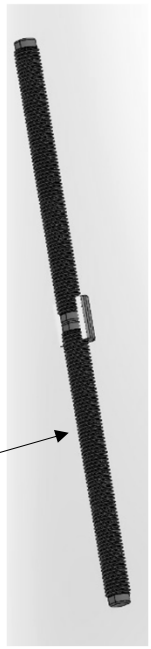


FIG. 3D

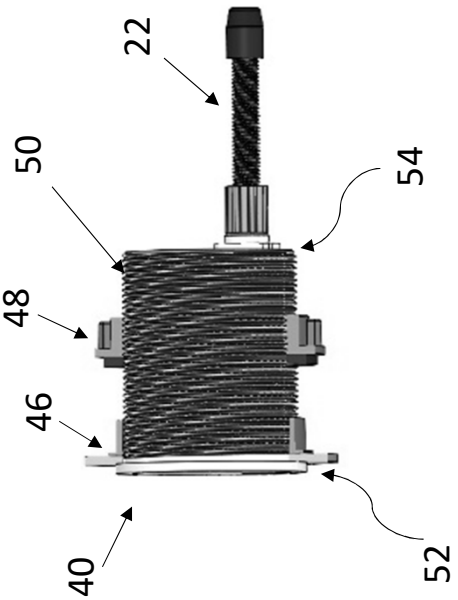


FIG. 3E



FIG. 3F

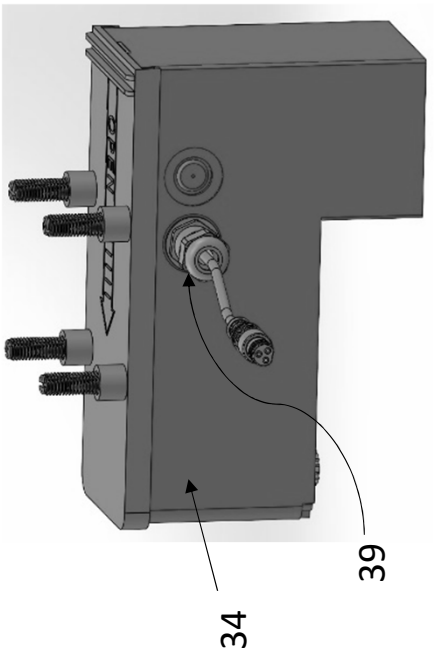


FIG. 3H

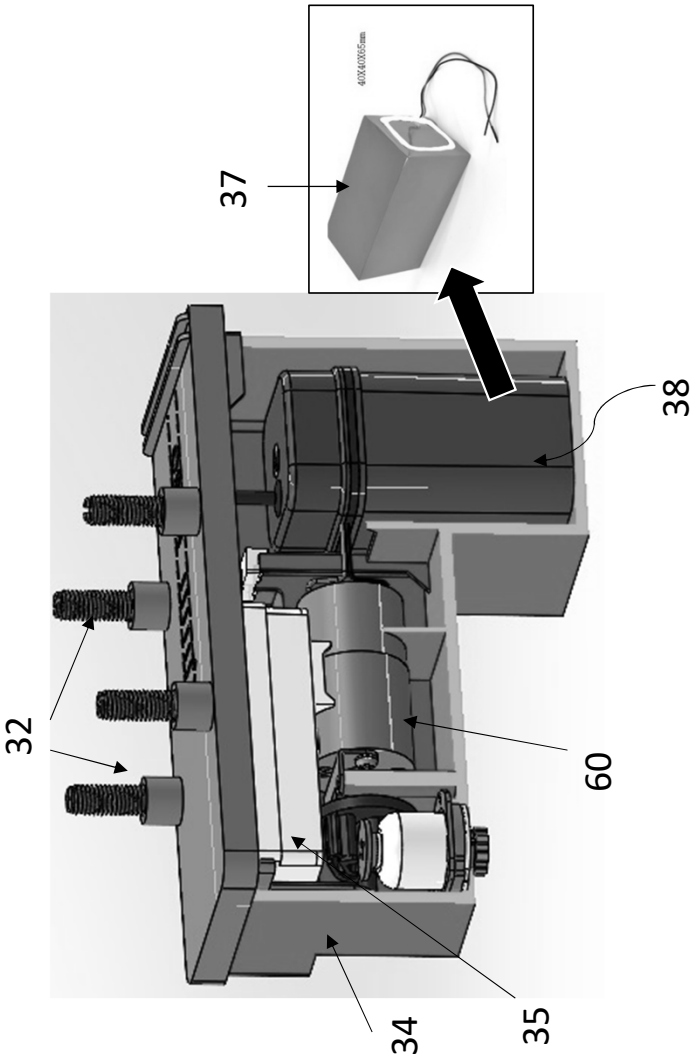


FIG. 3G

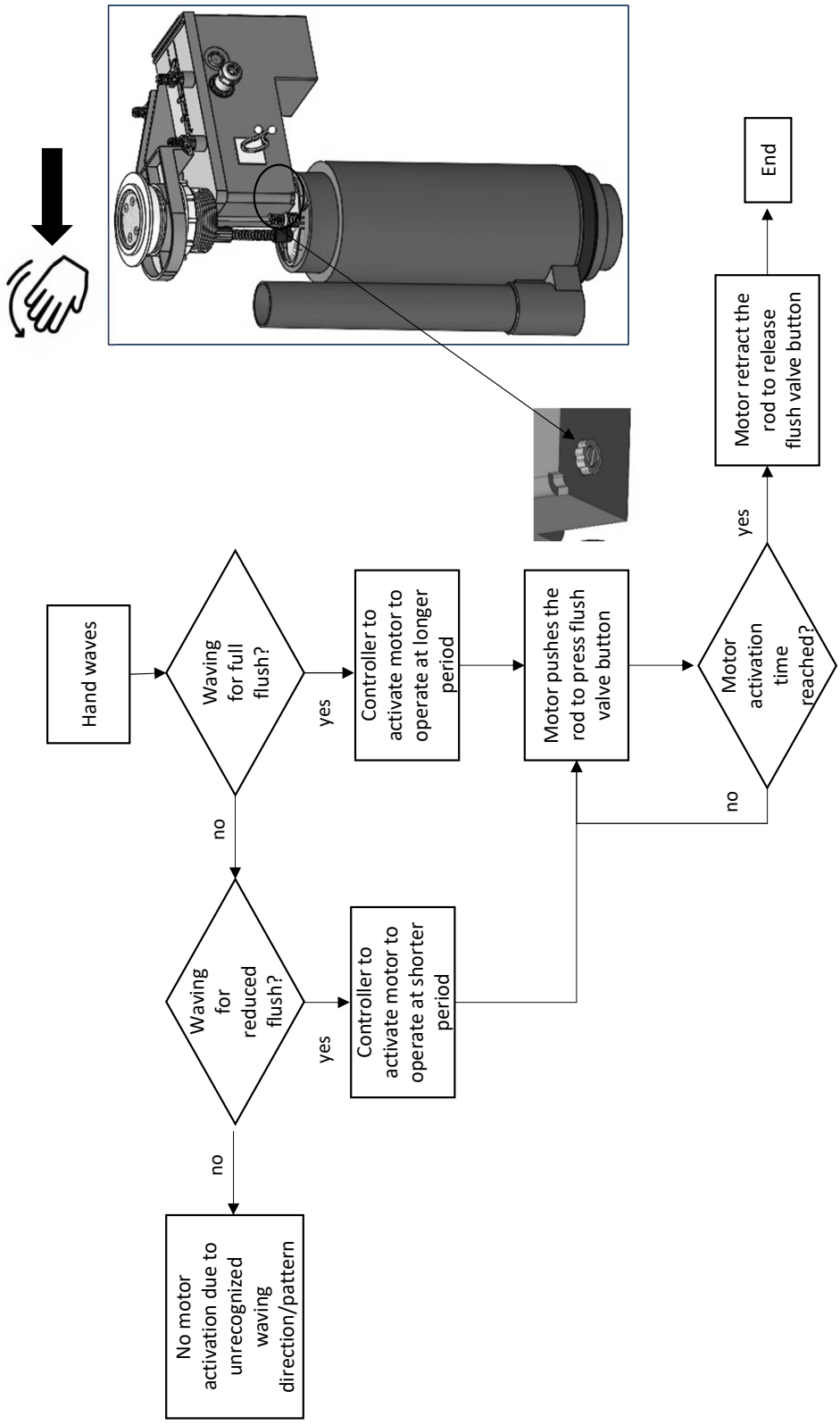

Hand waves
Waving for full flush?
yes
Controller to activate motor to operate at longer period
Motor pushes the rod to press flush valve button
Motor activation time reached?
yes
Motor retract the rod to release flush valve button
End
no
Waving for reduced flush?
yes
Controller to activate motor to operate at shorter period
no
No motor activation due to unrecognized waving direction/pattern

FIG. 4

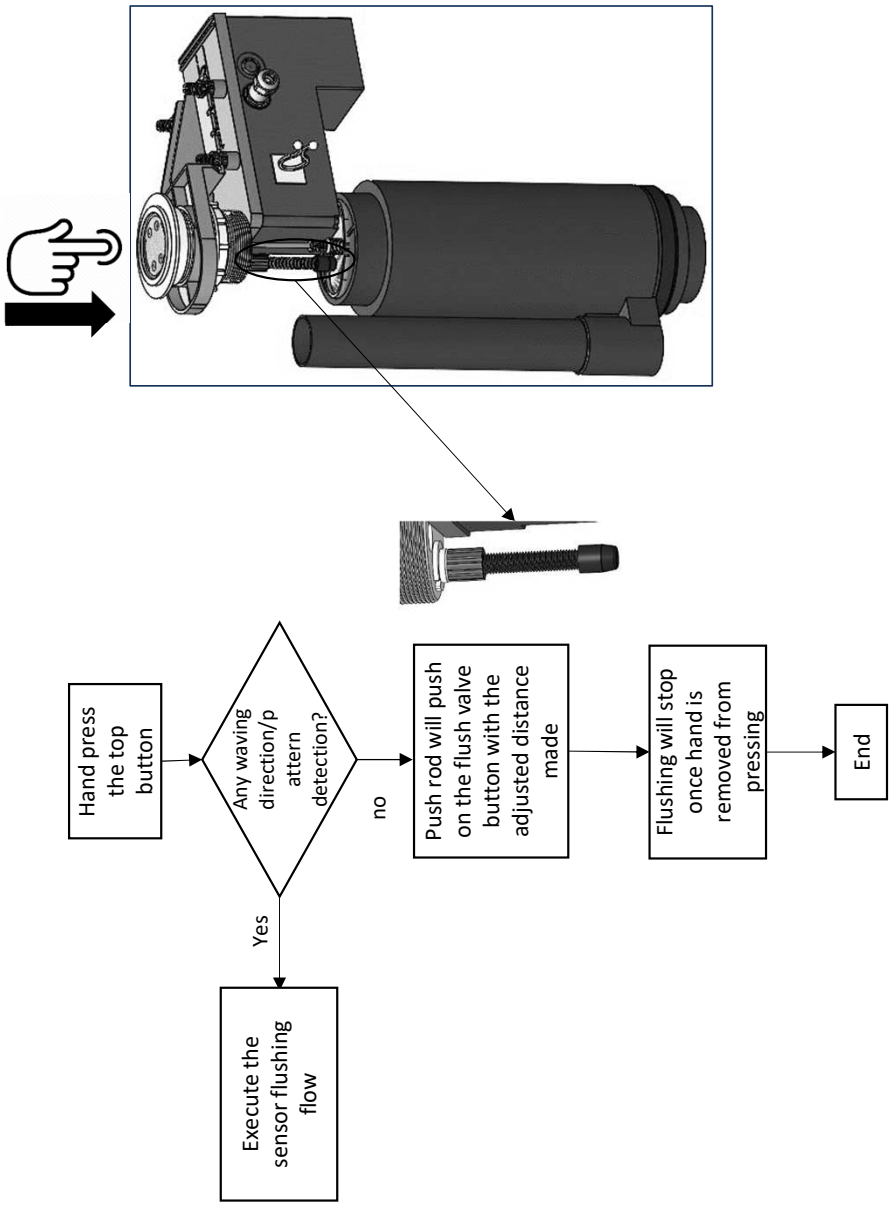

Hand press the top button
Any waving direction/pattern detection?
Yes
no
Execute the sensor flushing flow
Push rod will push on the flush valve button with the adjusted distance made
Flushing will stop once hand is removed from pressing
End

FIG. 5