

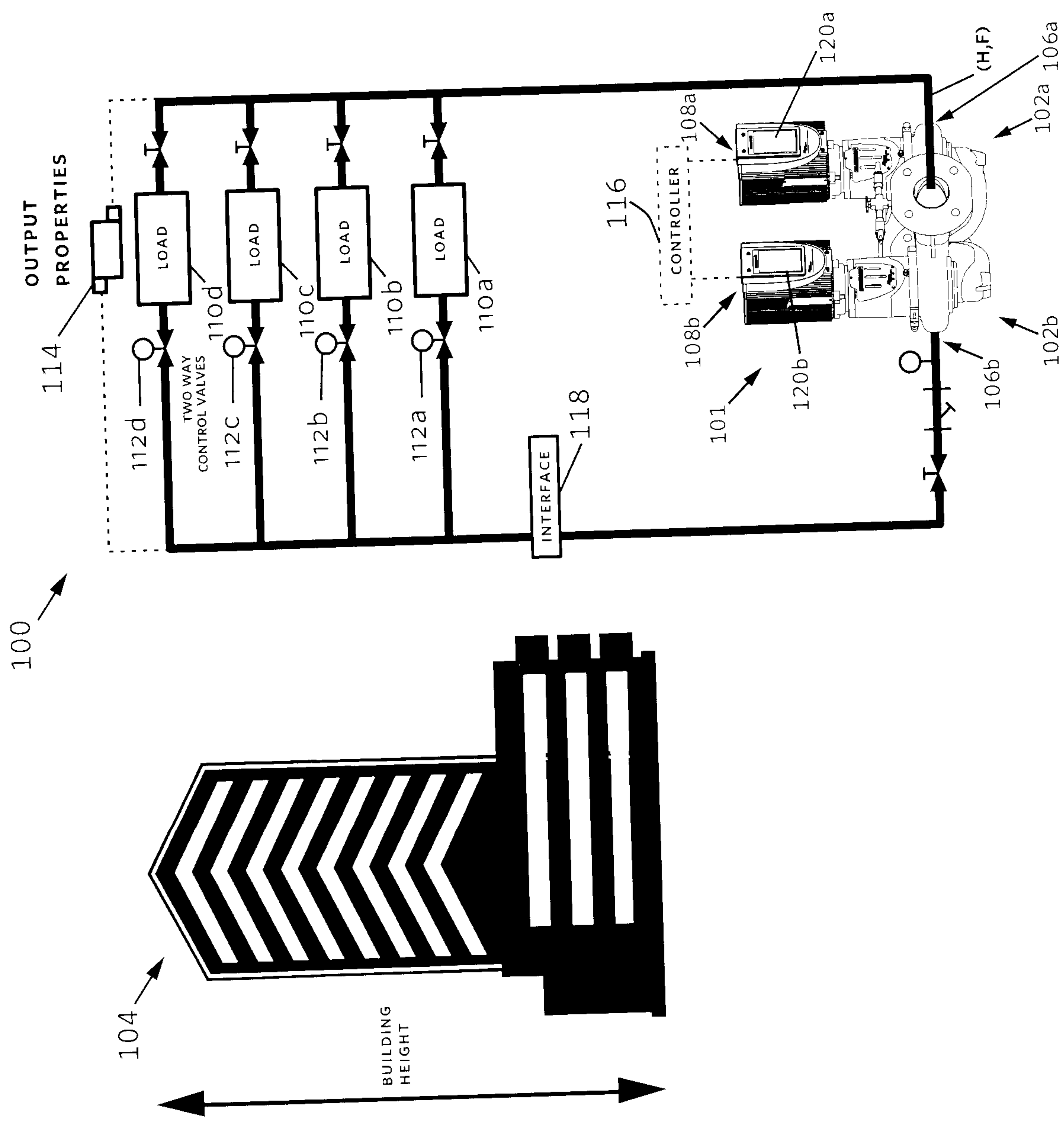


FIGURE 1

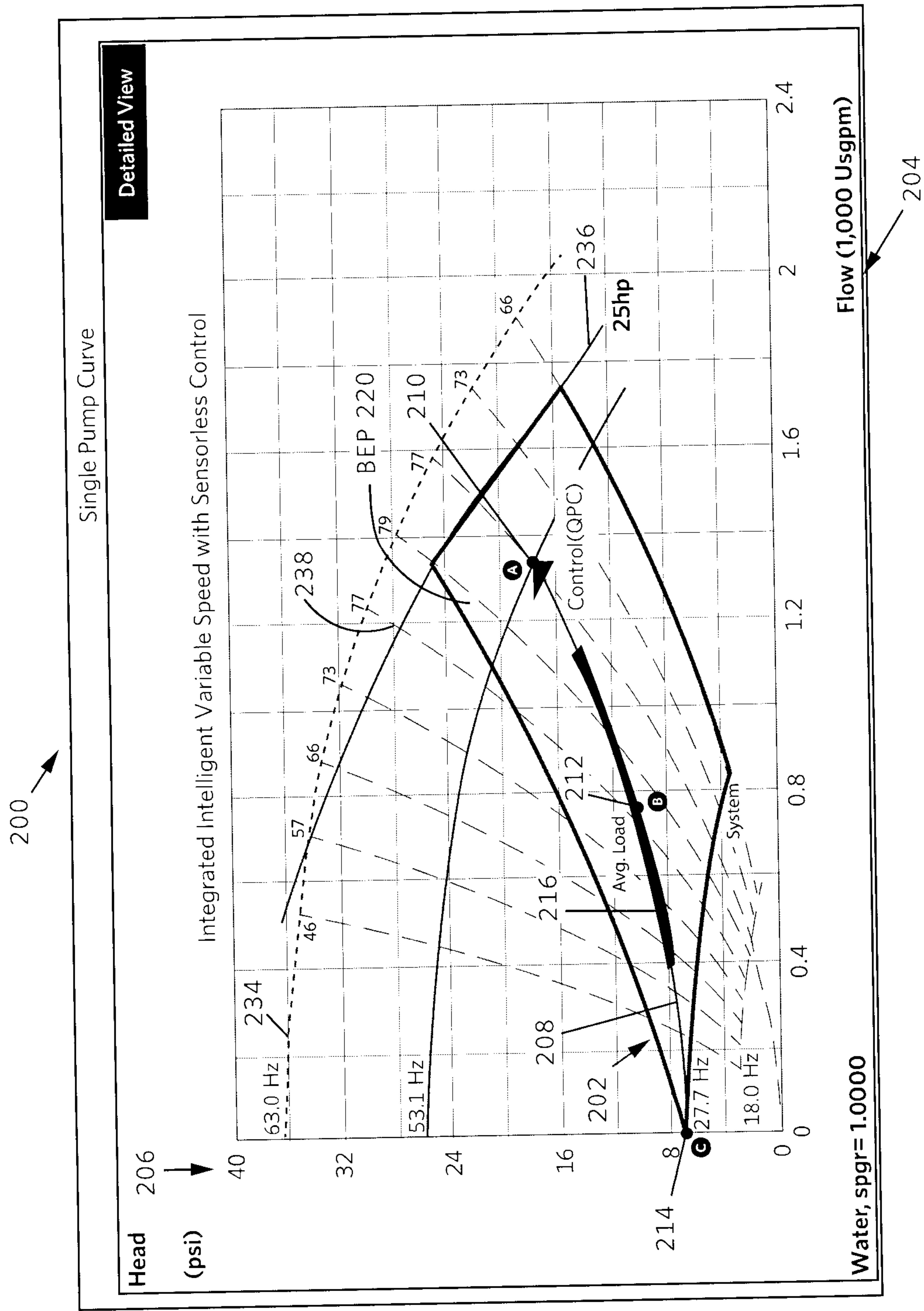


FIGURE 2

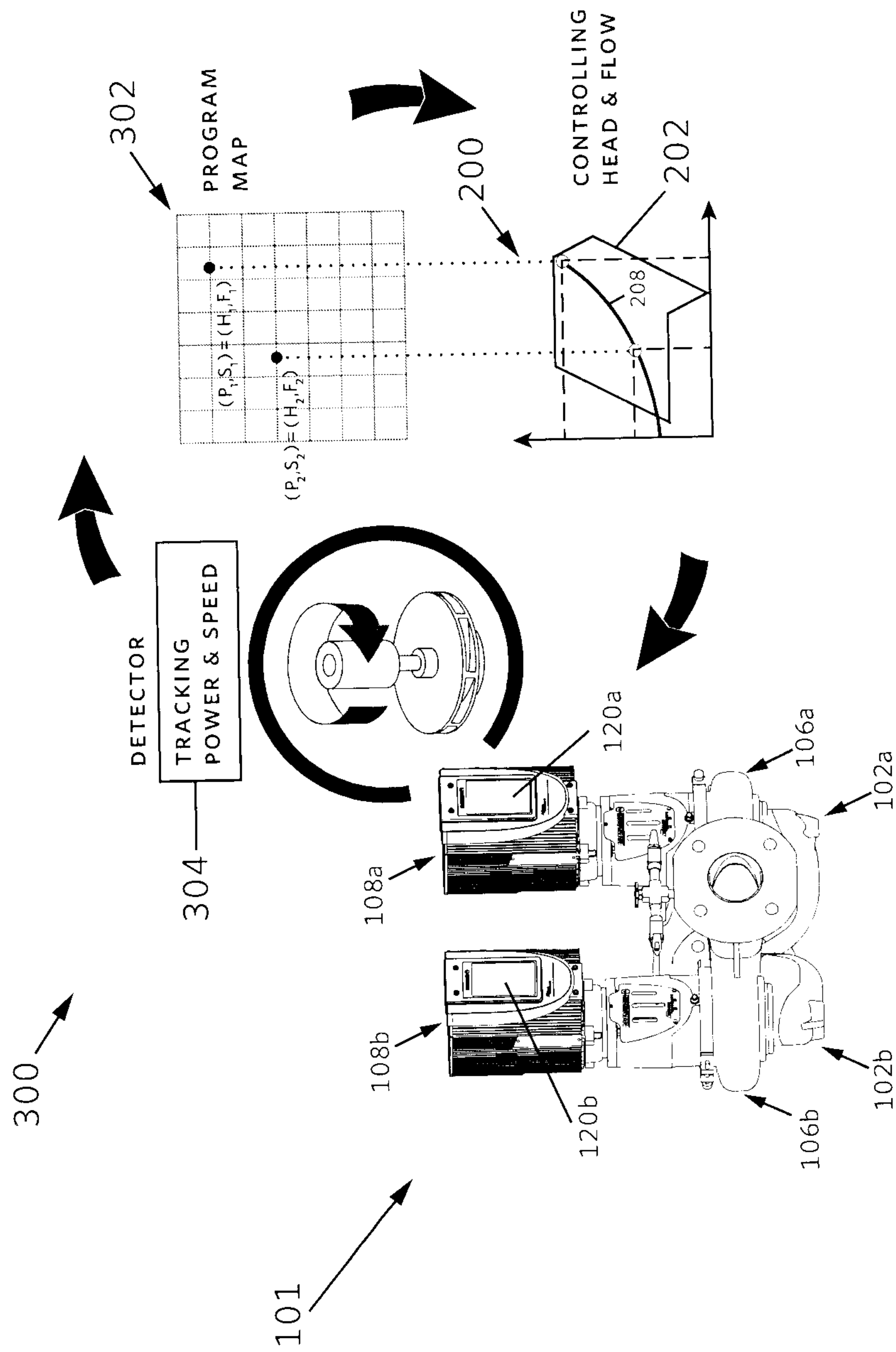


FIGURE 3

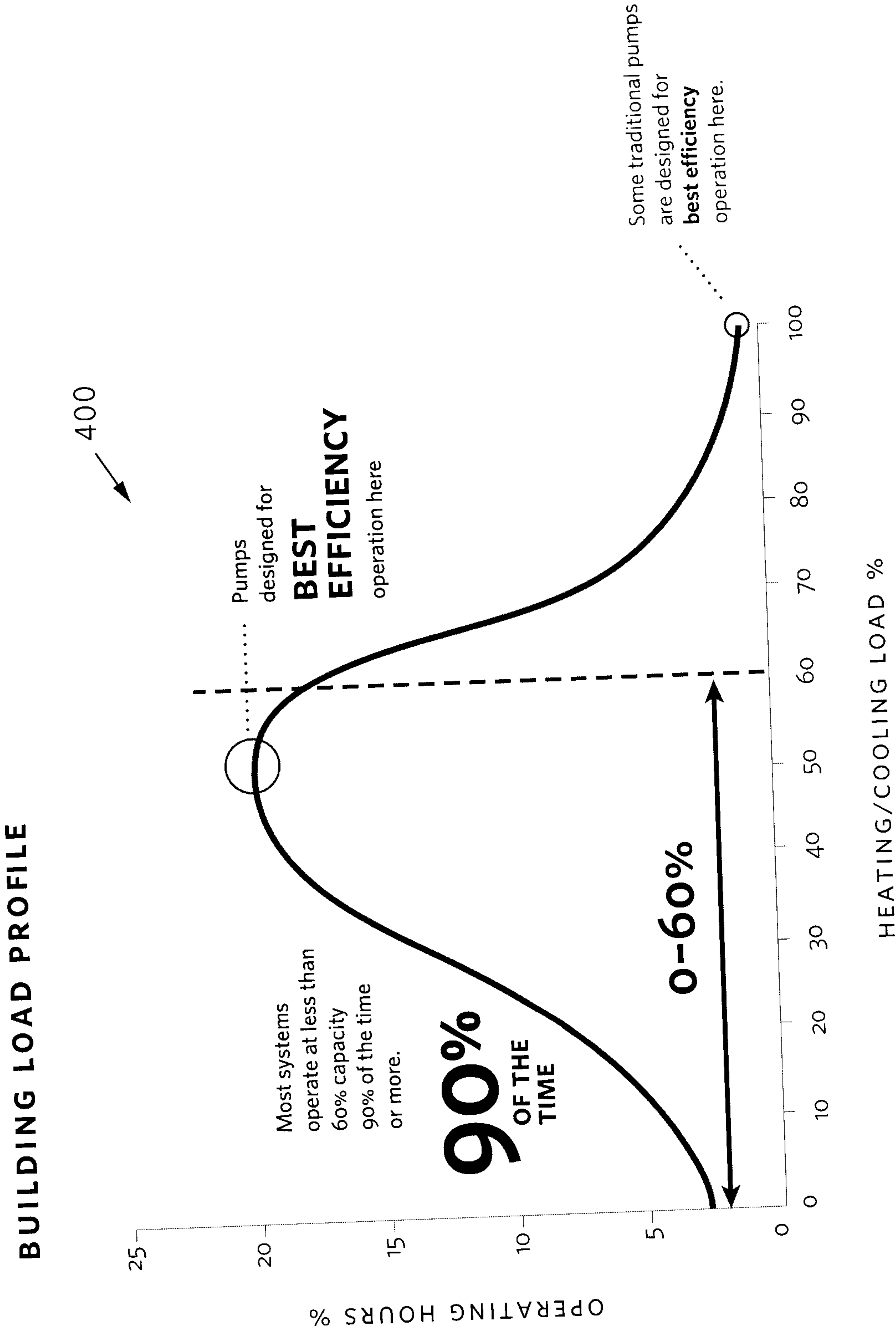


FIGURE 4

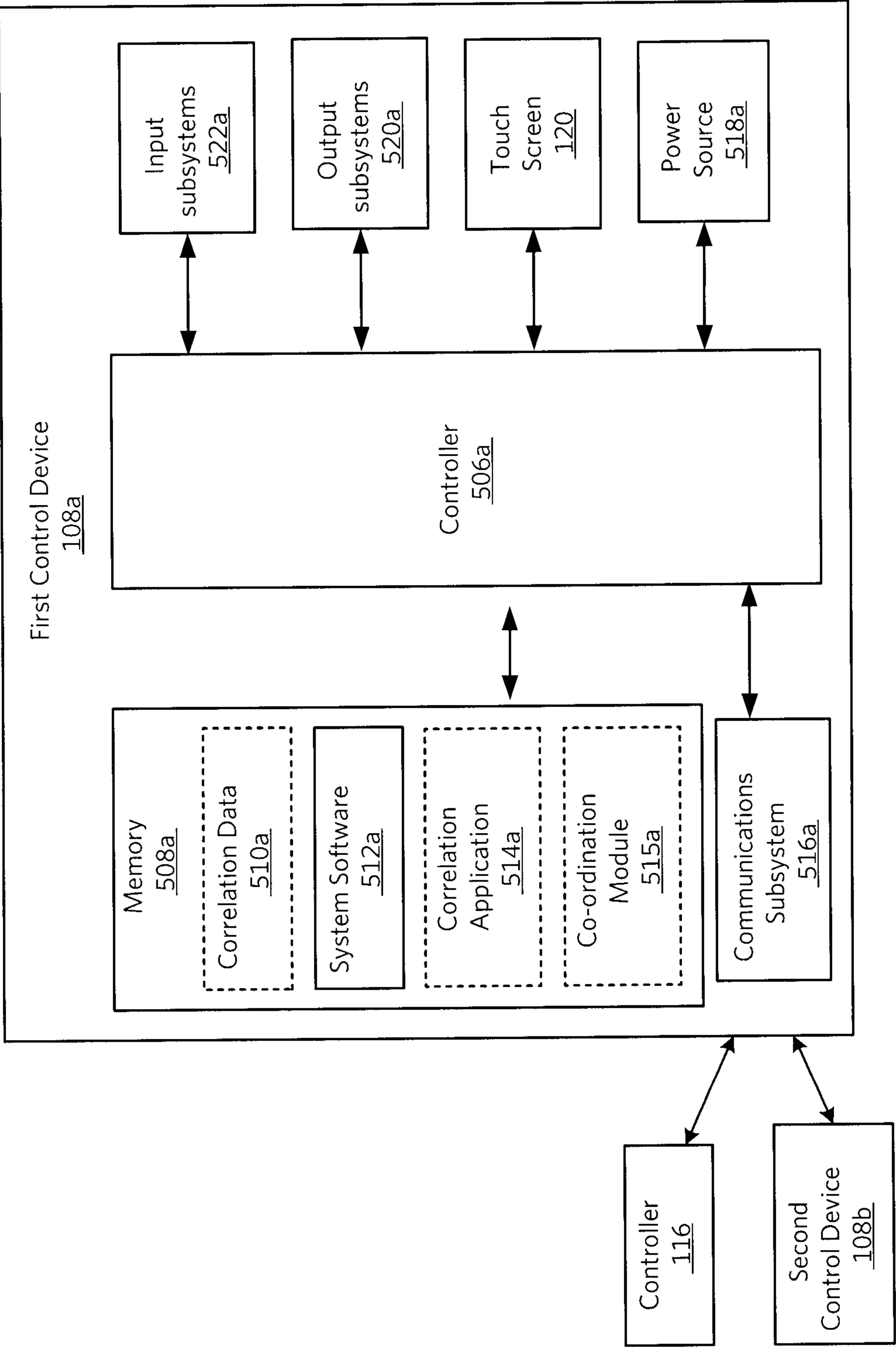


FIGURE 5

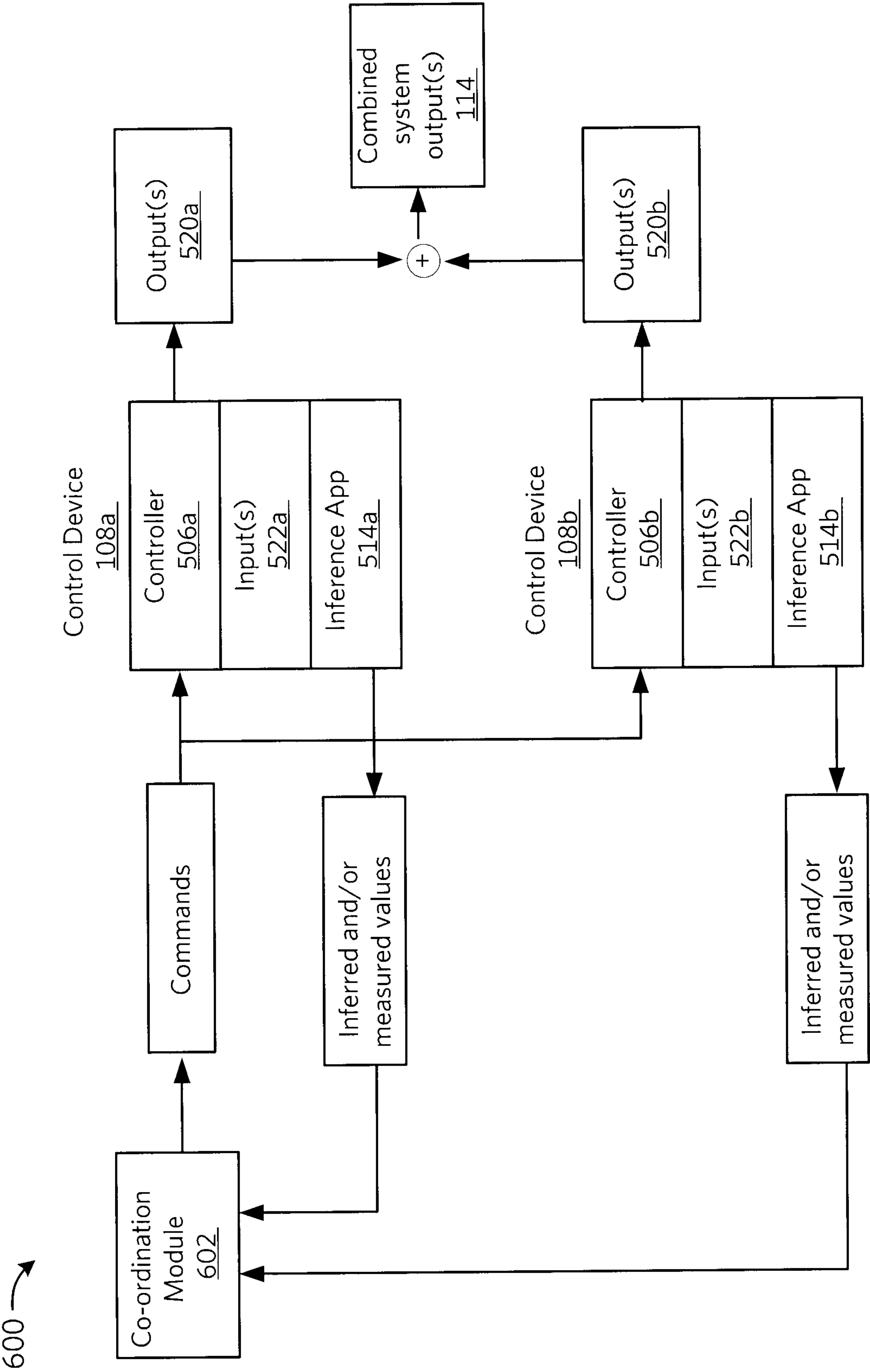


FIGURE 6

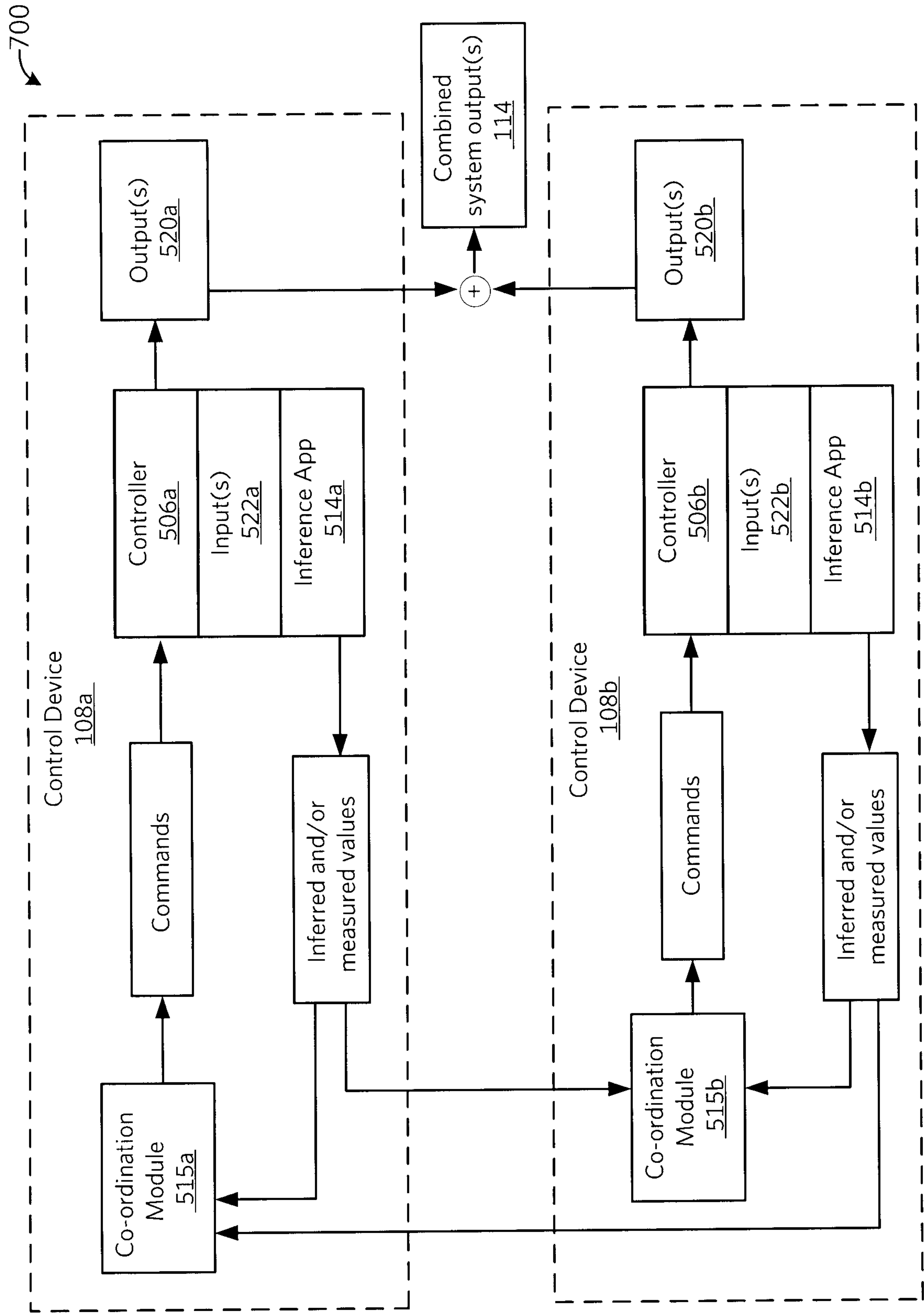


FIGURE 7

800 →

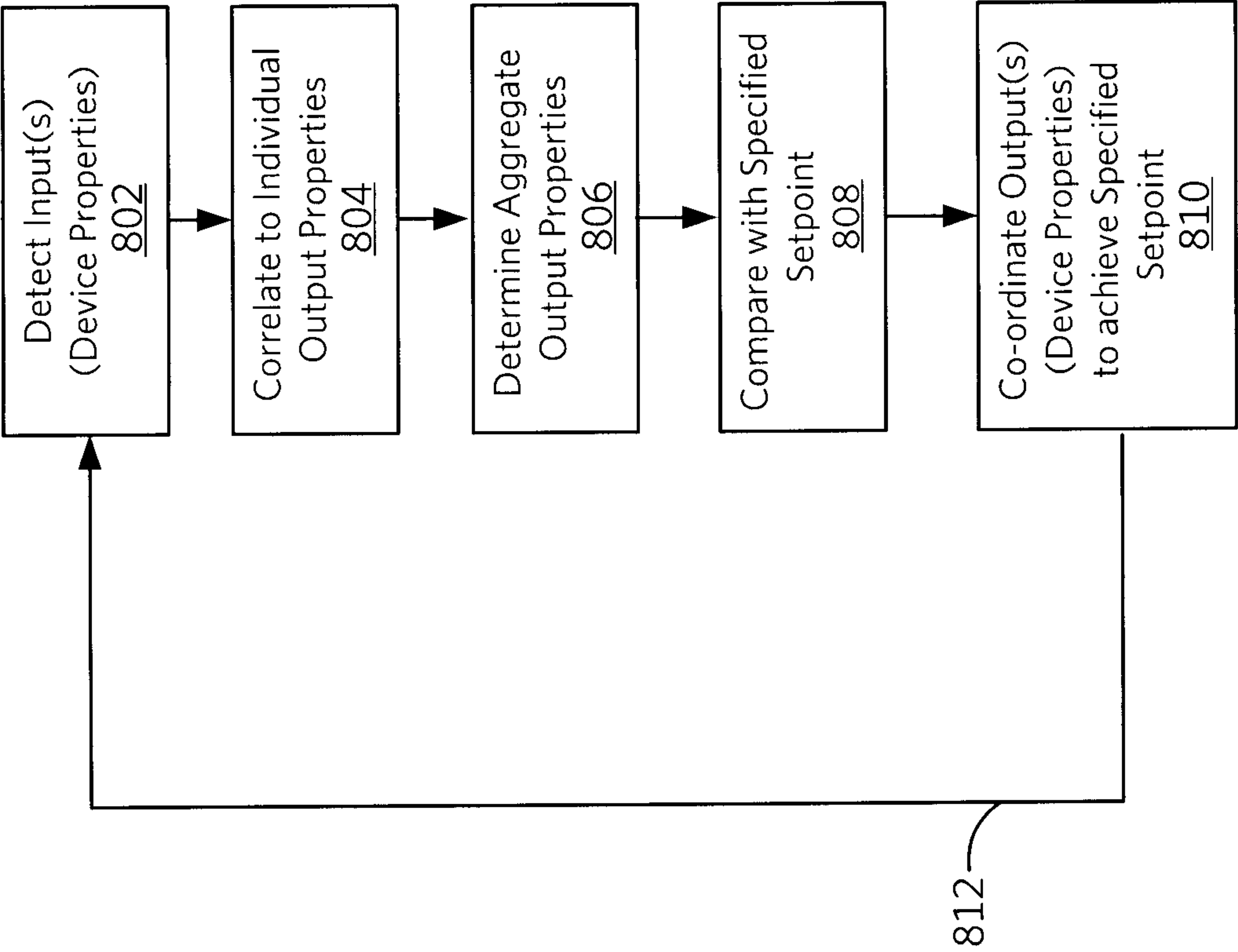
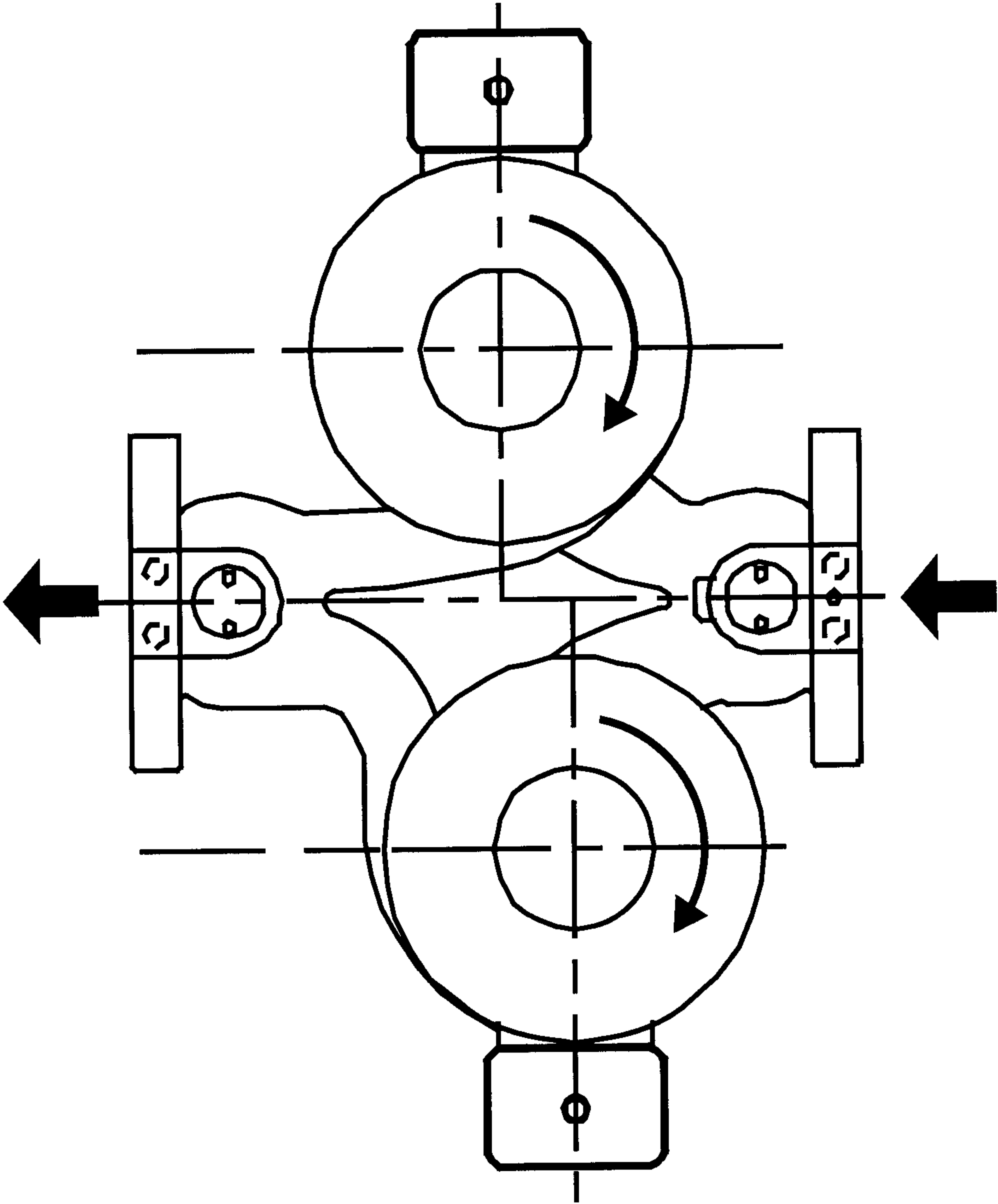


FIGURE 8



PRIOR ART

FIGURE 9

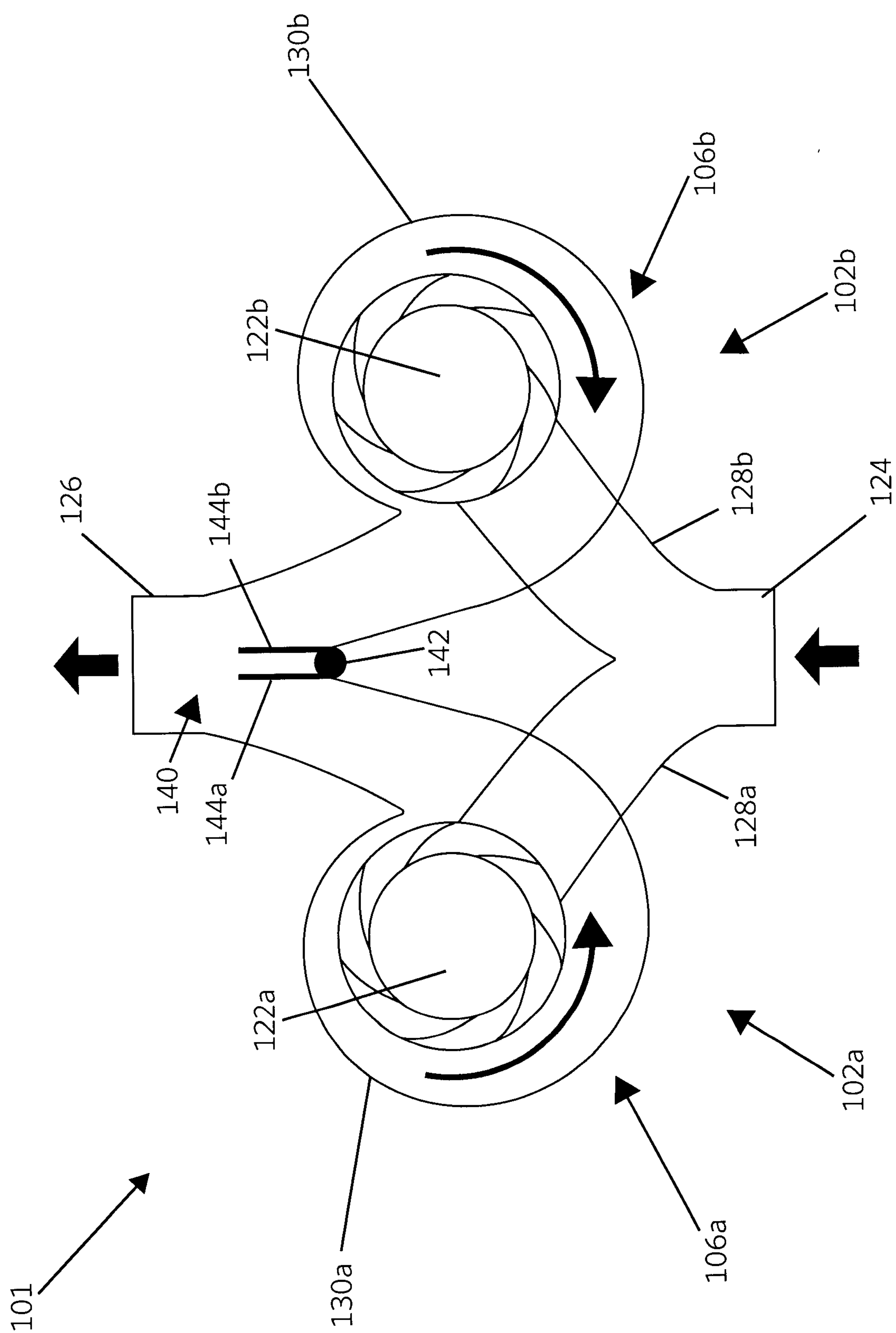


FIGURE 10A

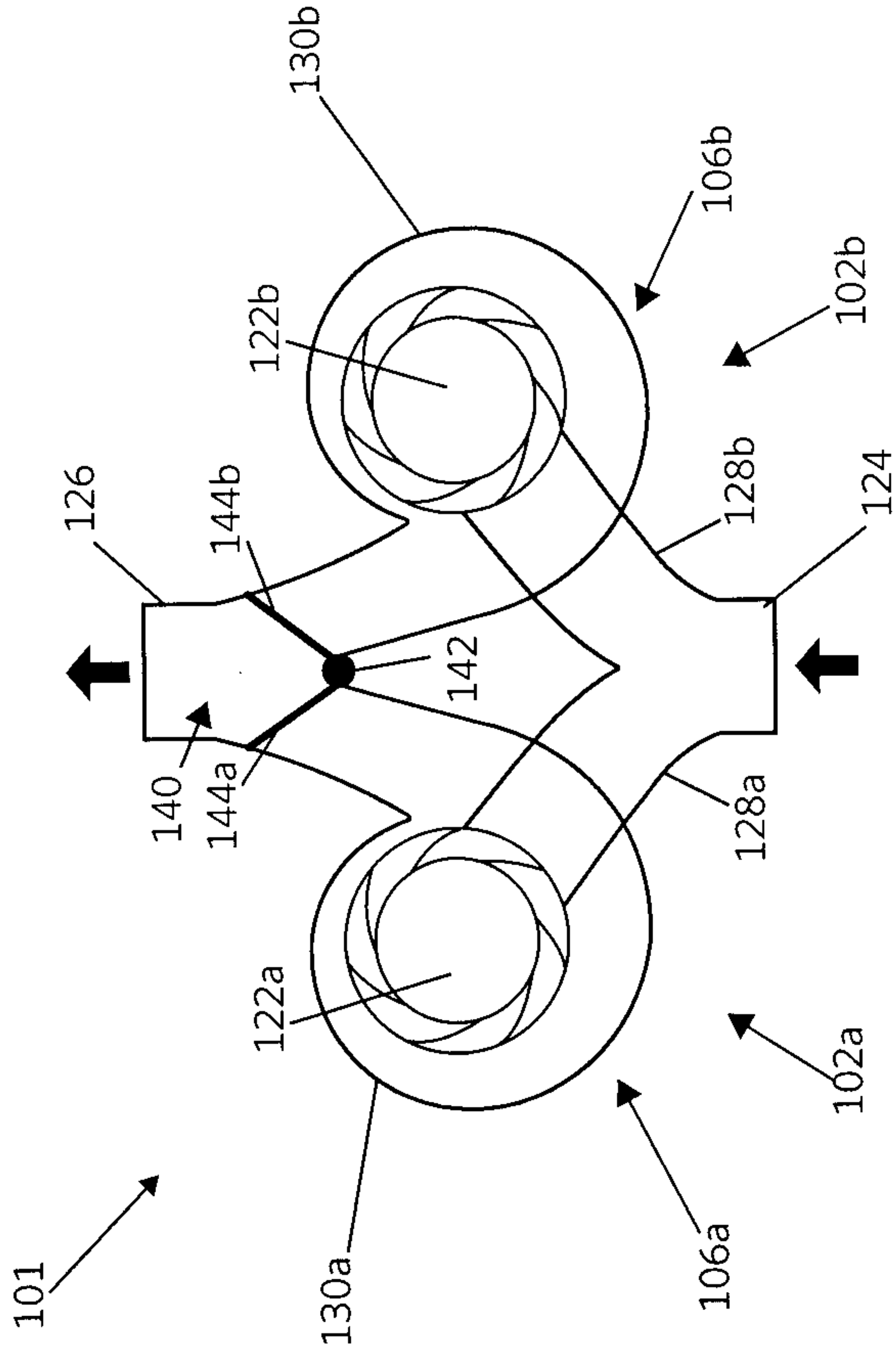


FIGURE 10C

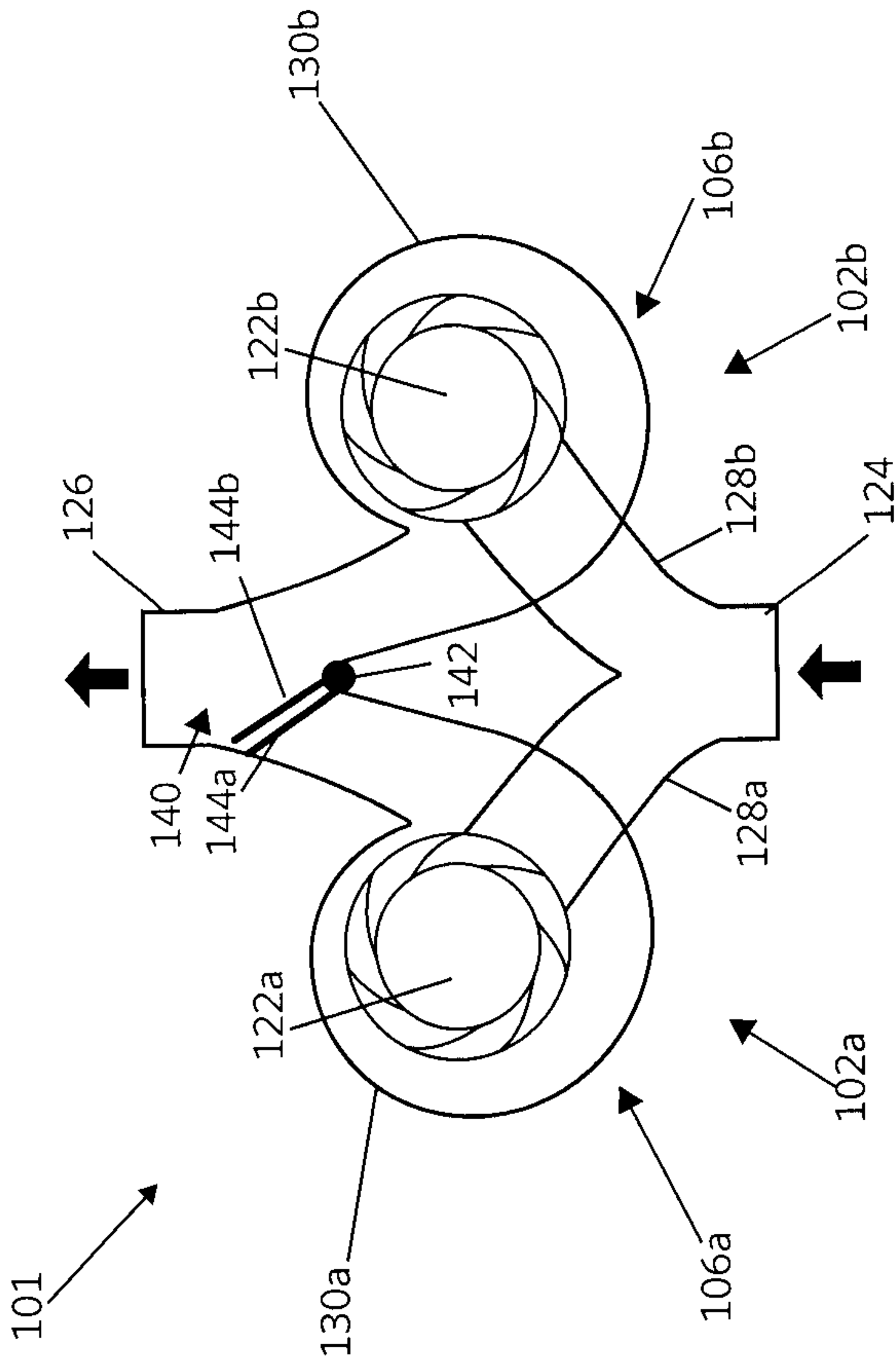


FIGURE 10B

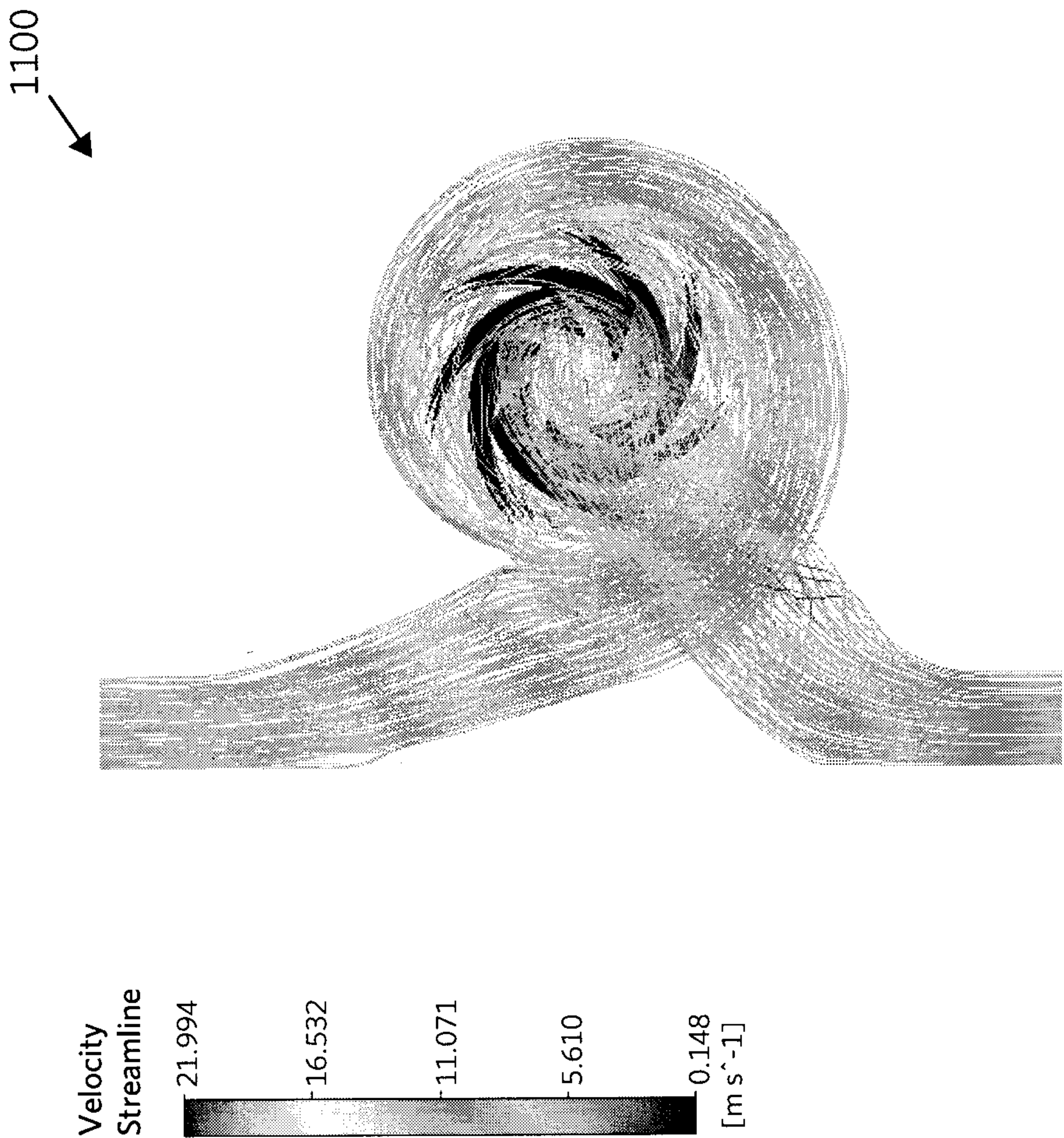


FIGURE 11

1200 →

Twin head pump counter rotation design - head comparison

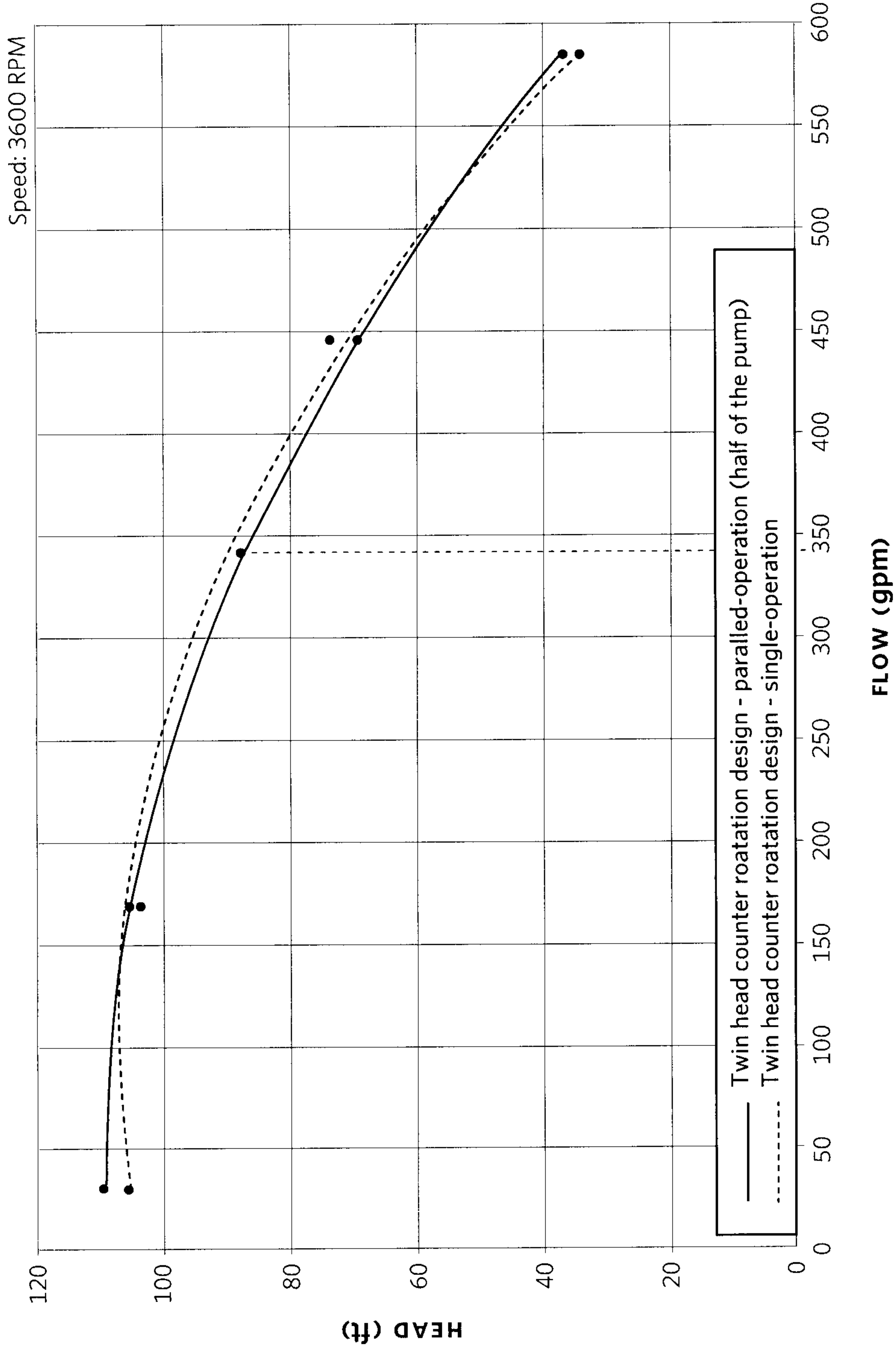


FIGURE 12

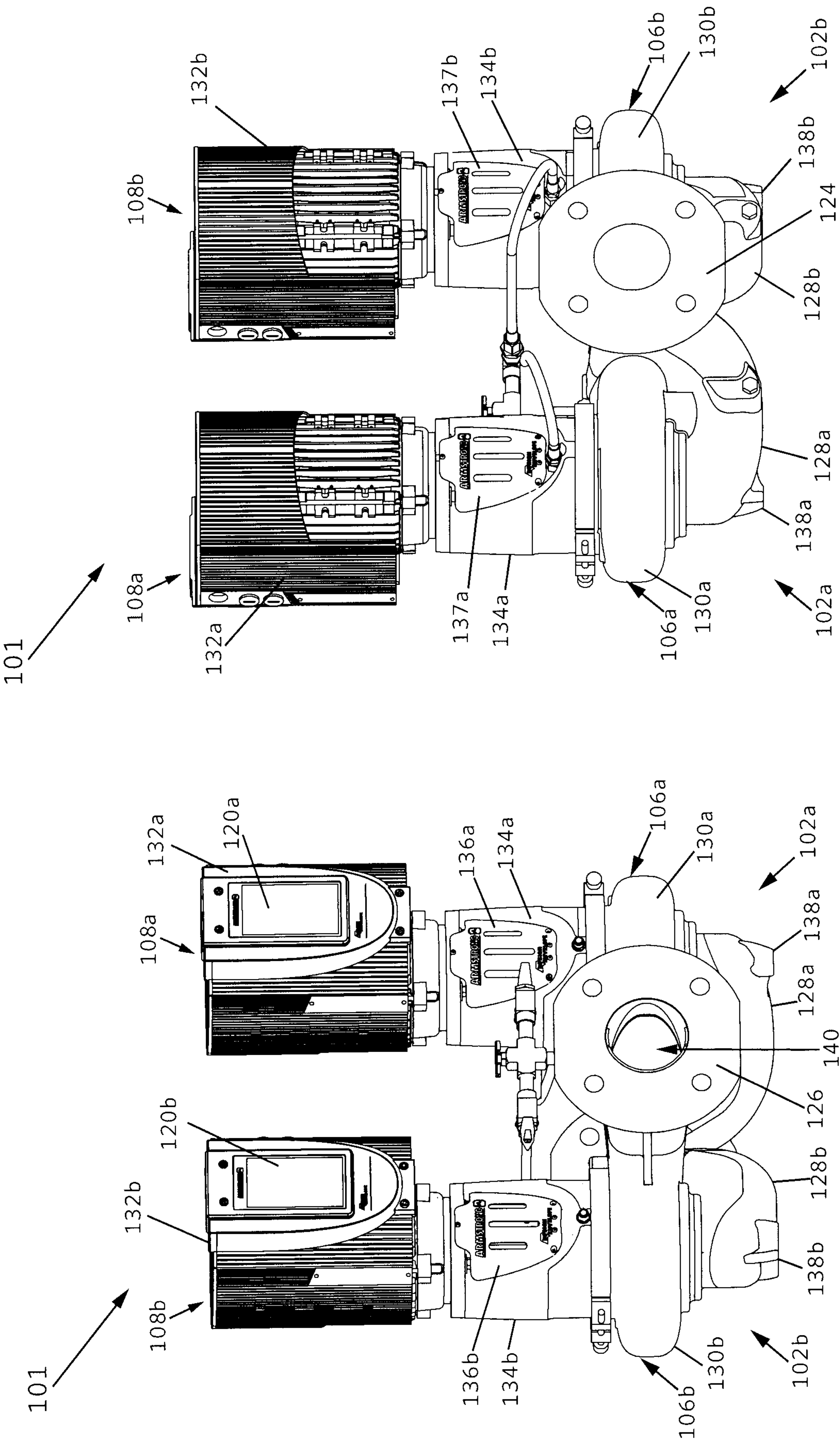


FIGURE 13B

FIGURE 13A

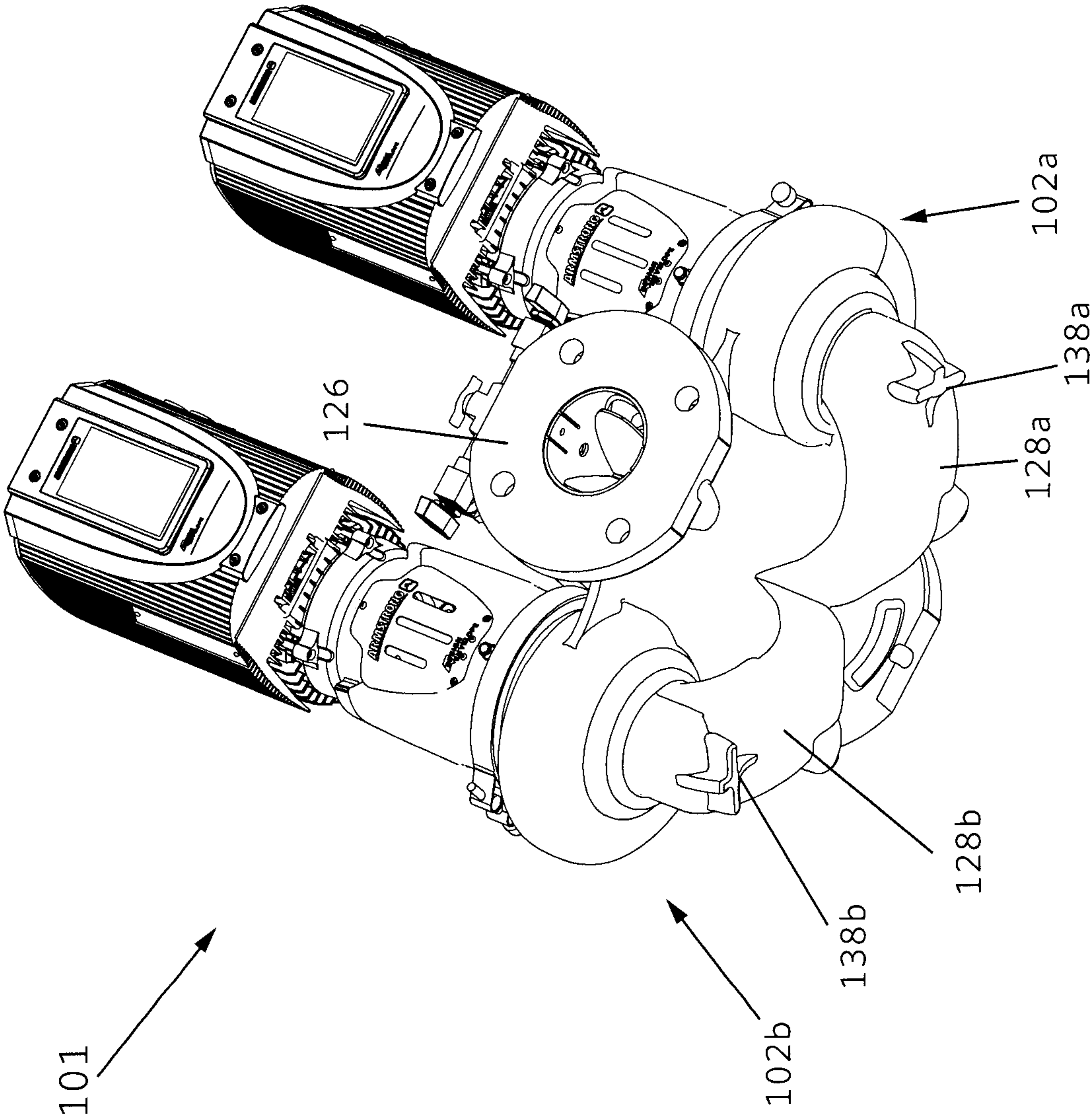


FIGURE 13C

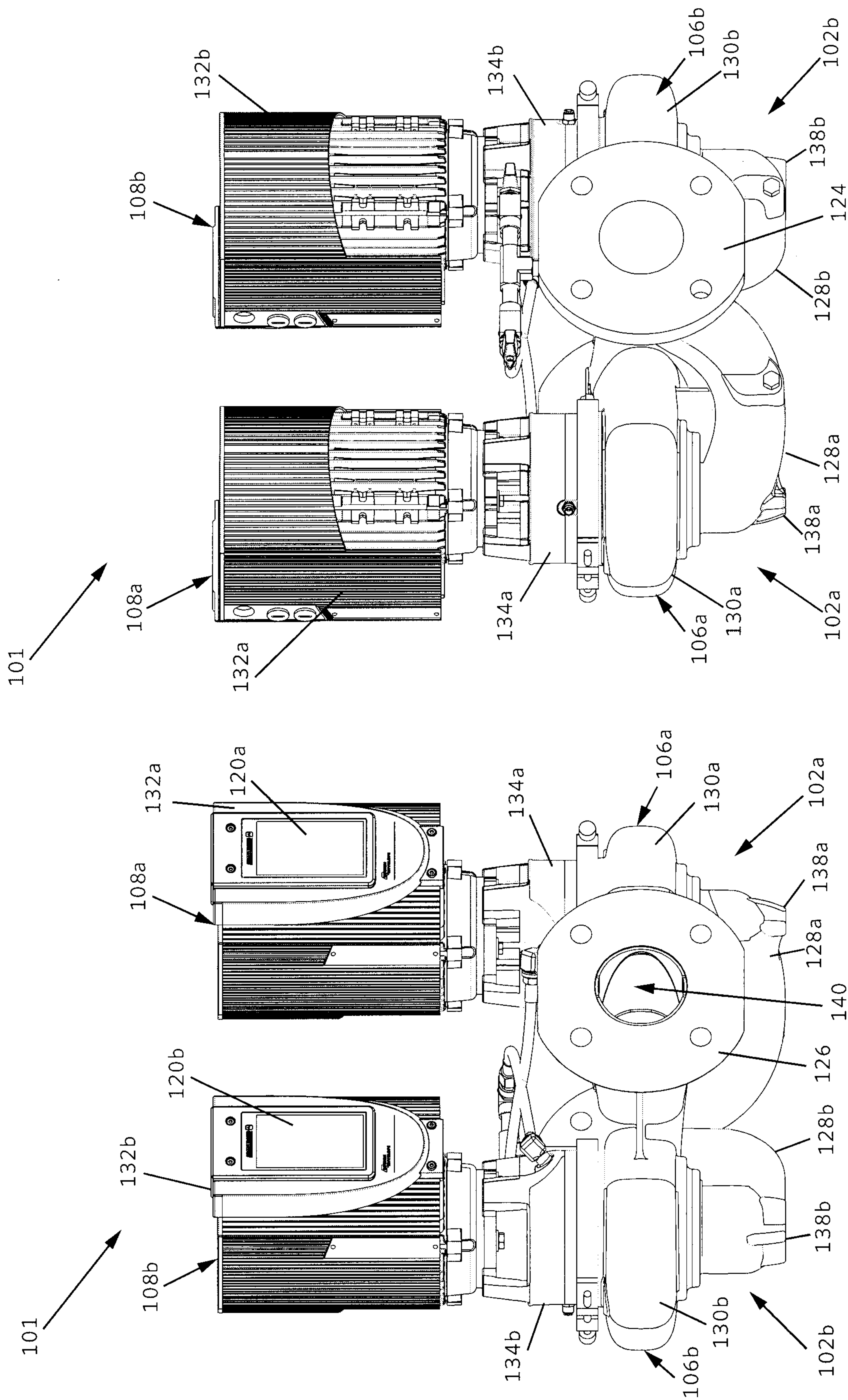


FIGURE 14B

FIGURE 14A

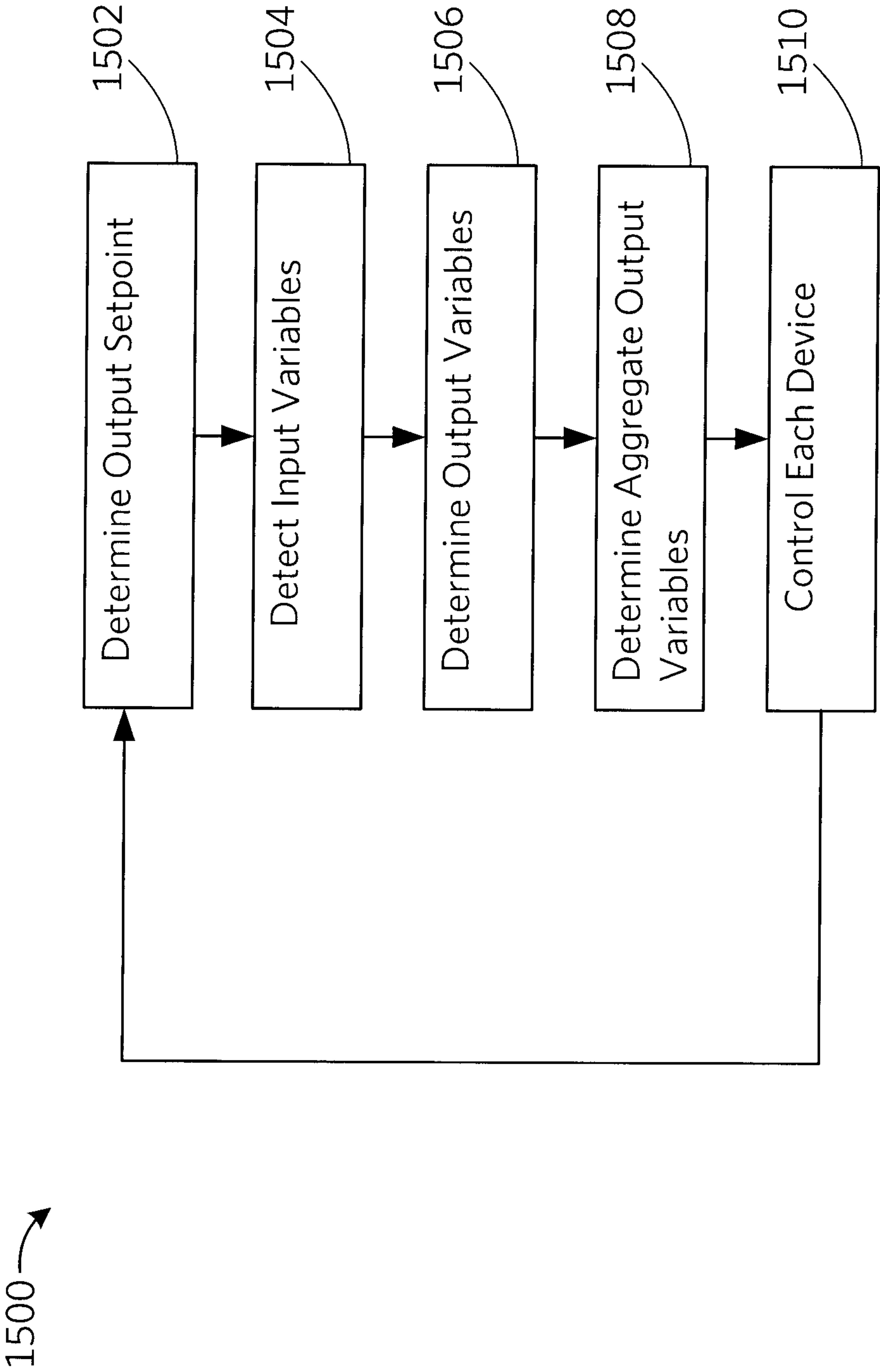


FIGURE 15

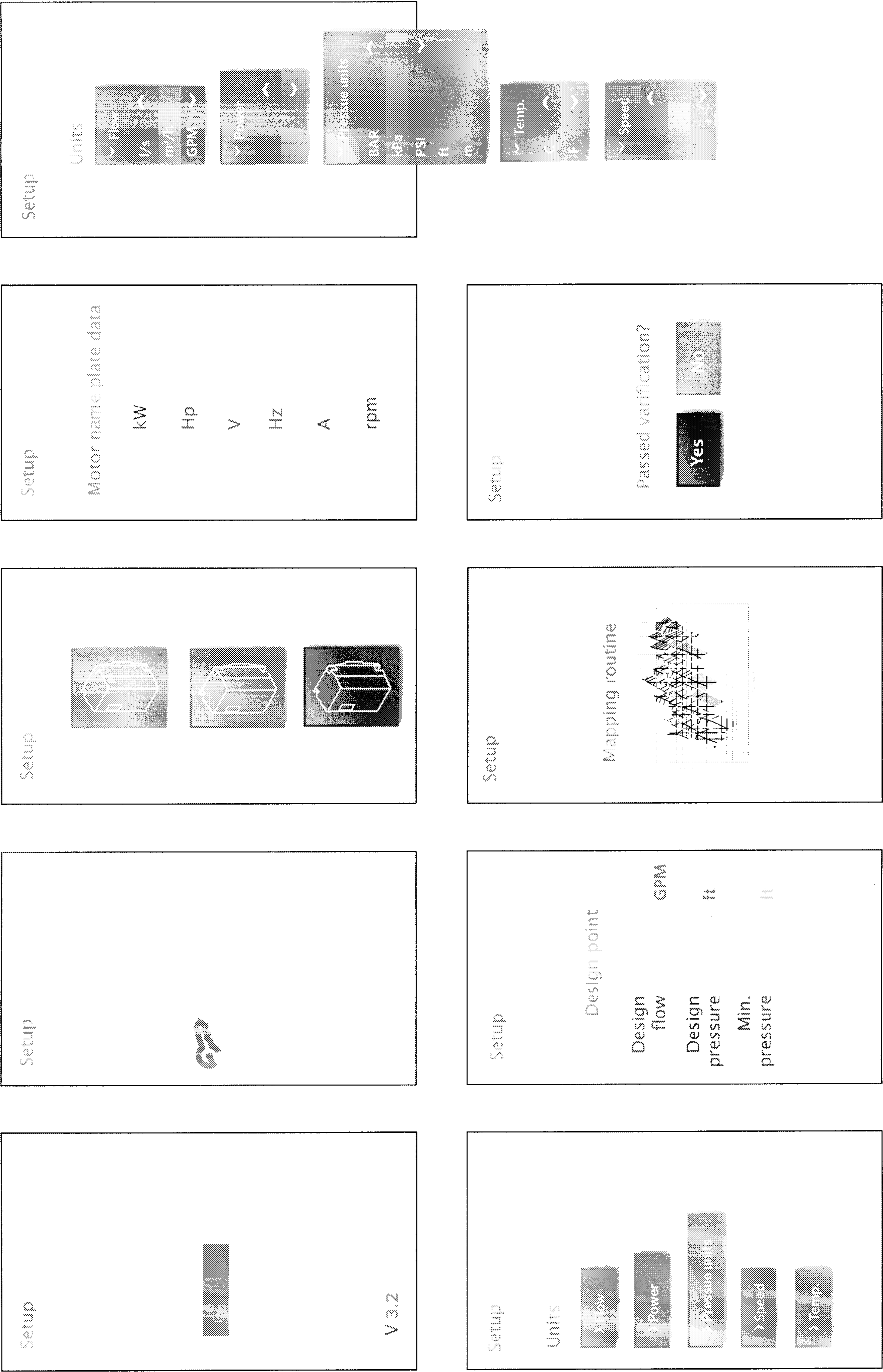


FIGURE 16A

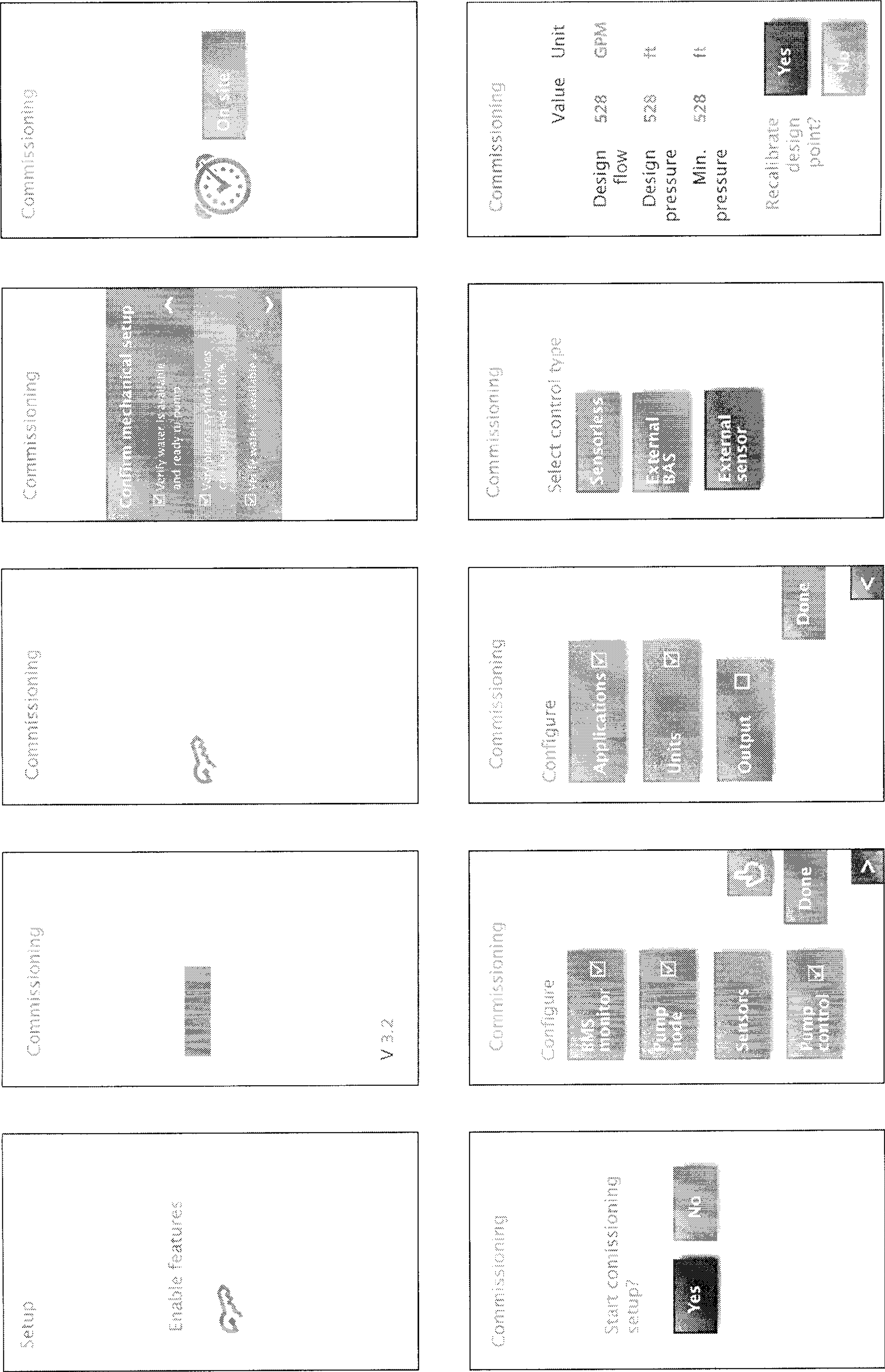


FIGURE 16B

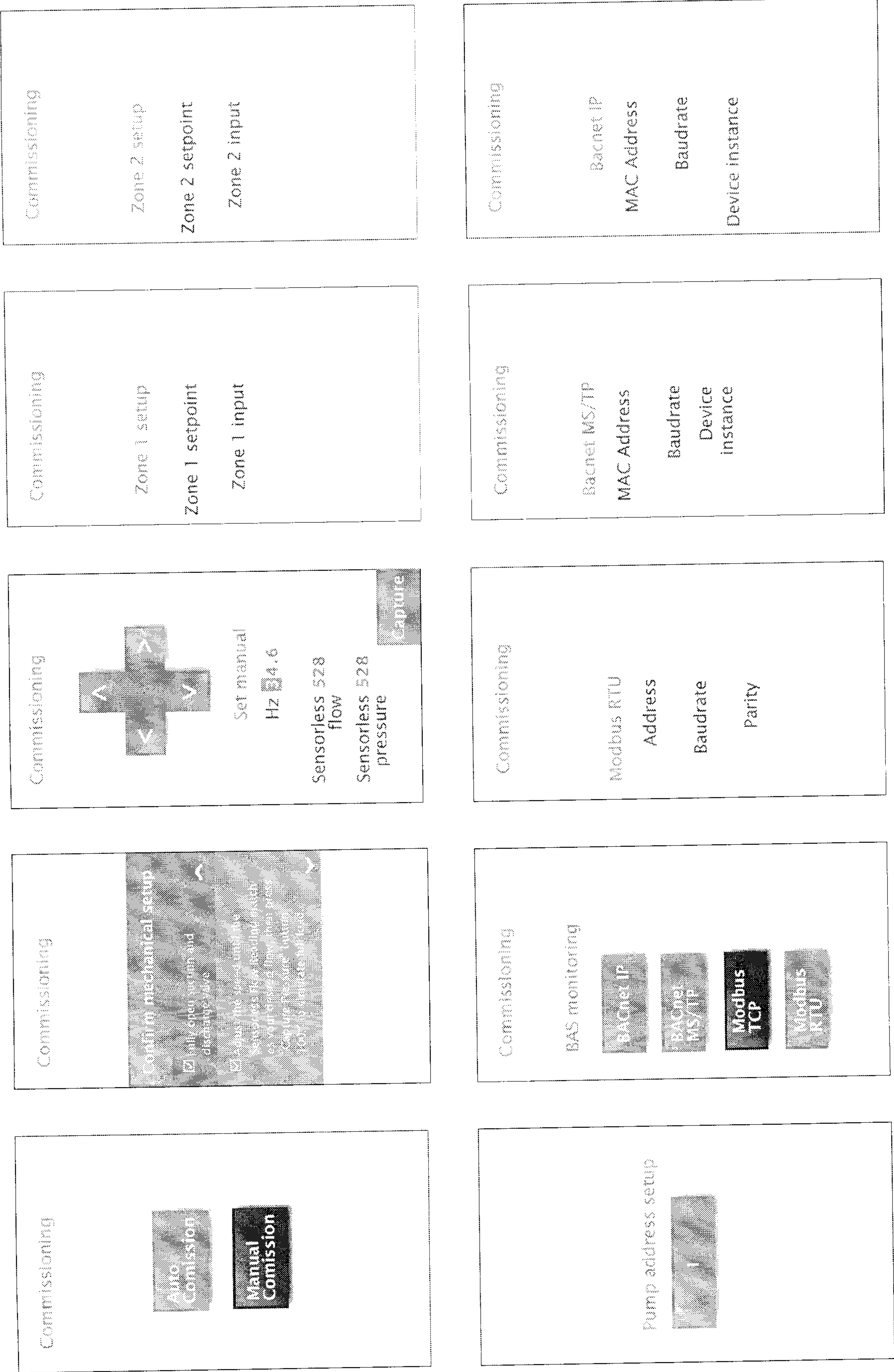


FIGURE 16C

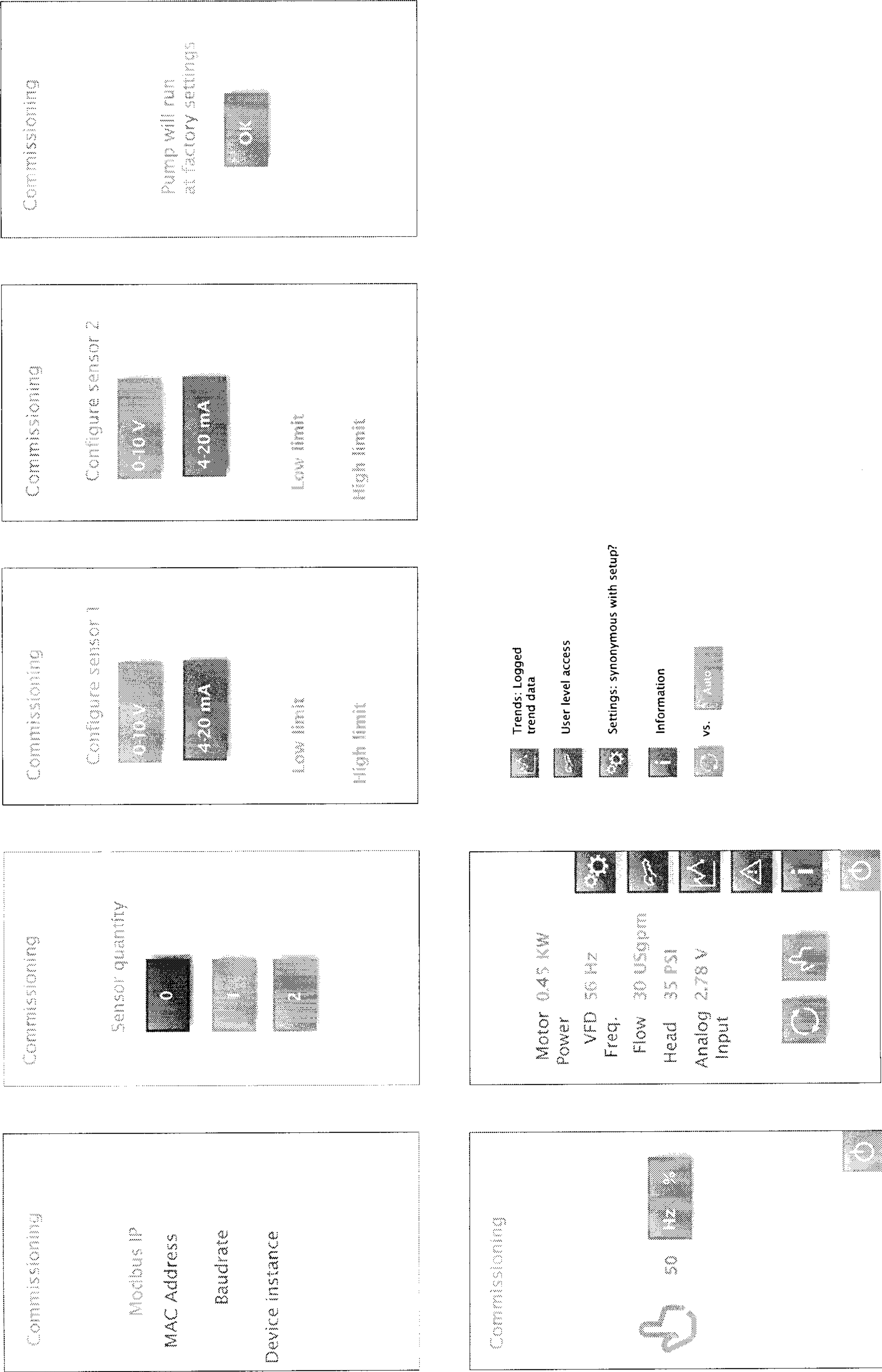


FIGURE 16D

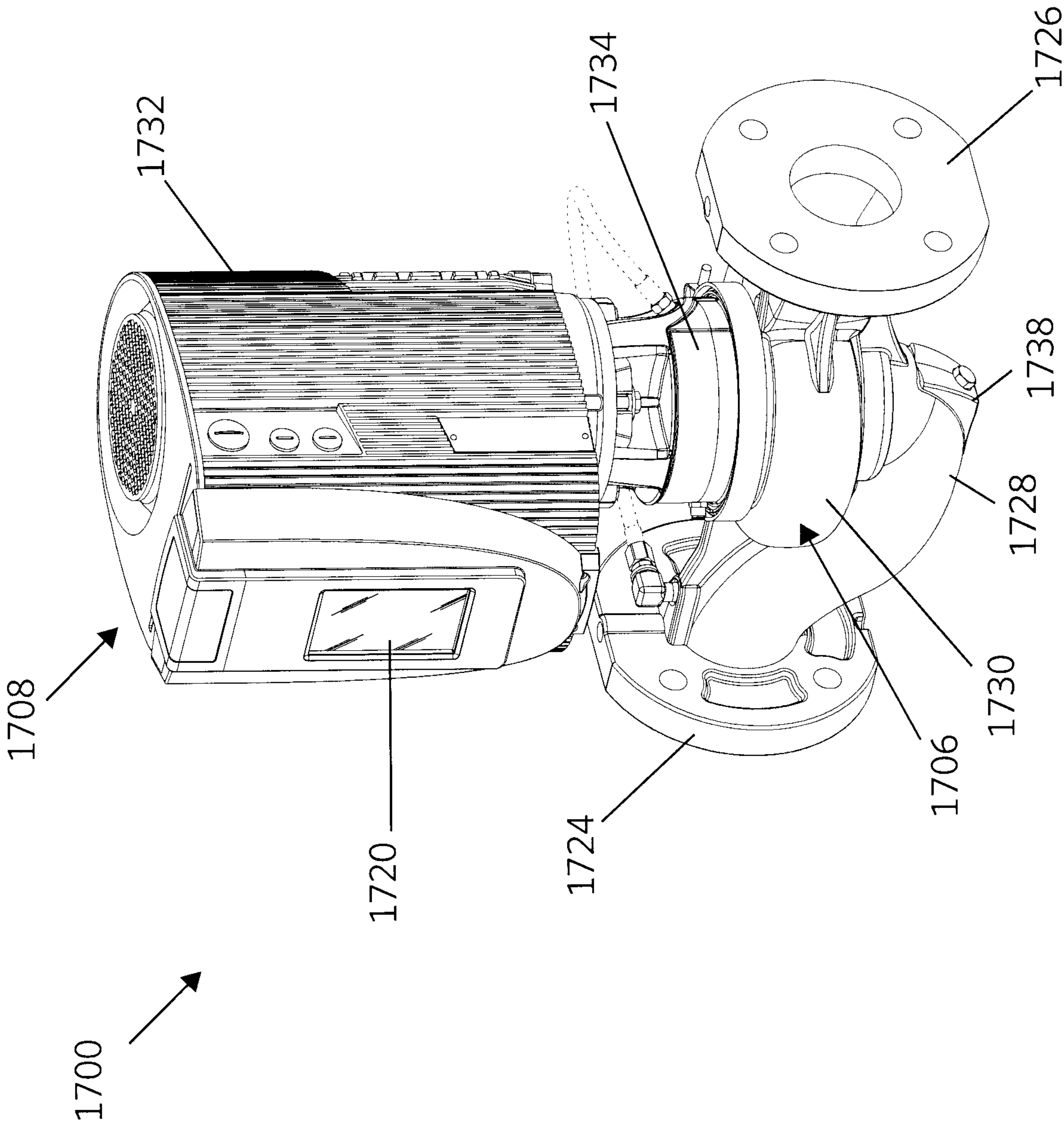


FIGURE 17A

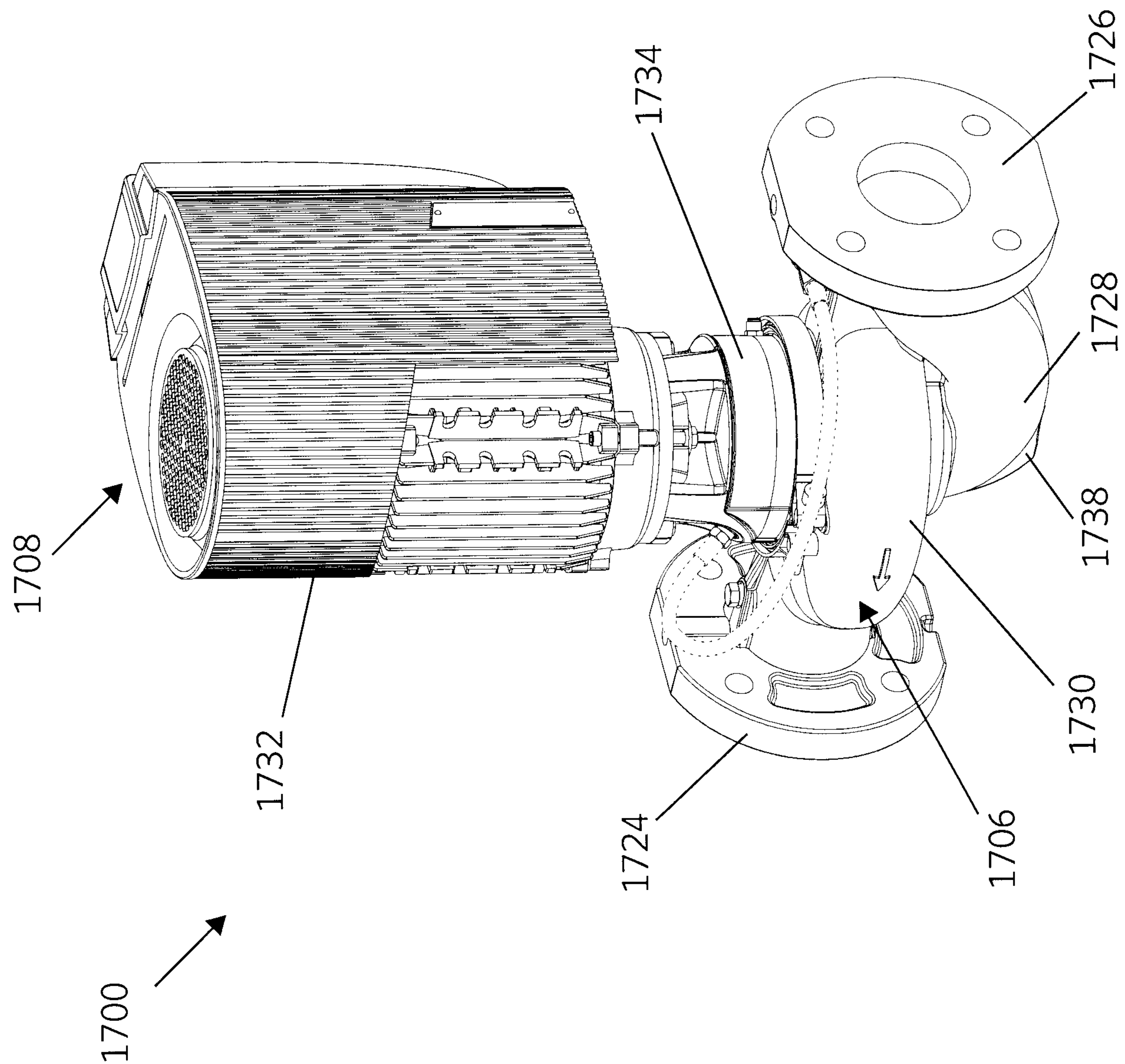


FIGURE 17B

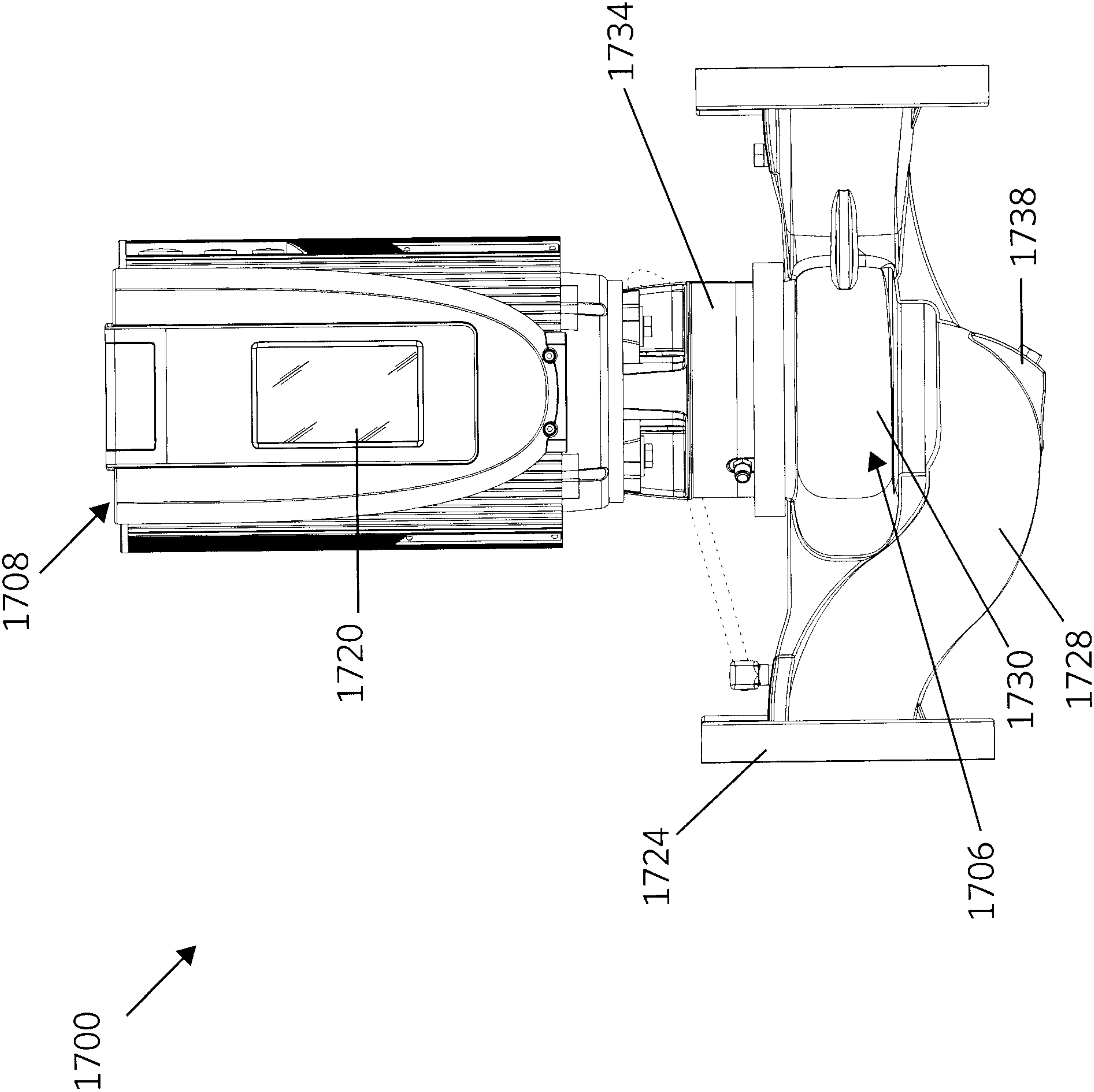


FIGURE 17C

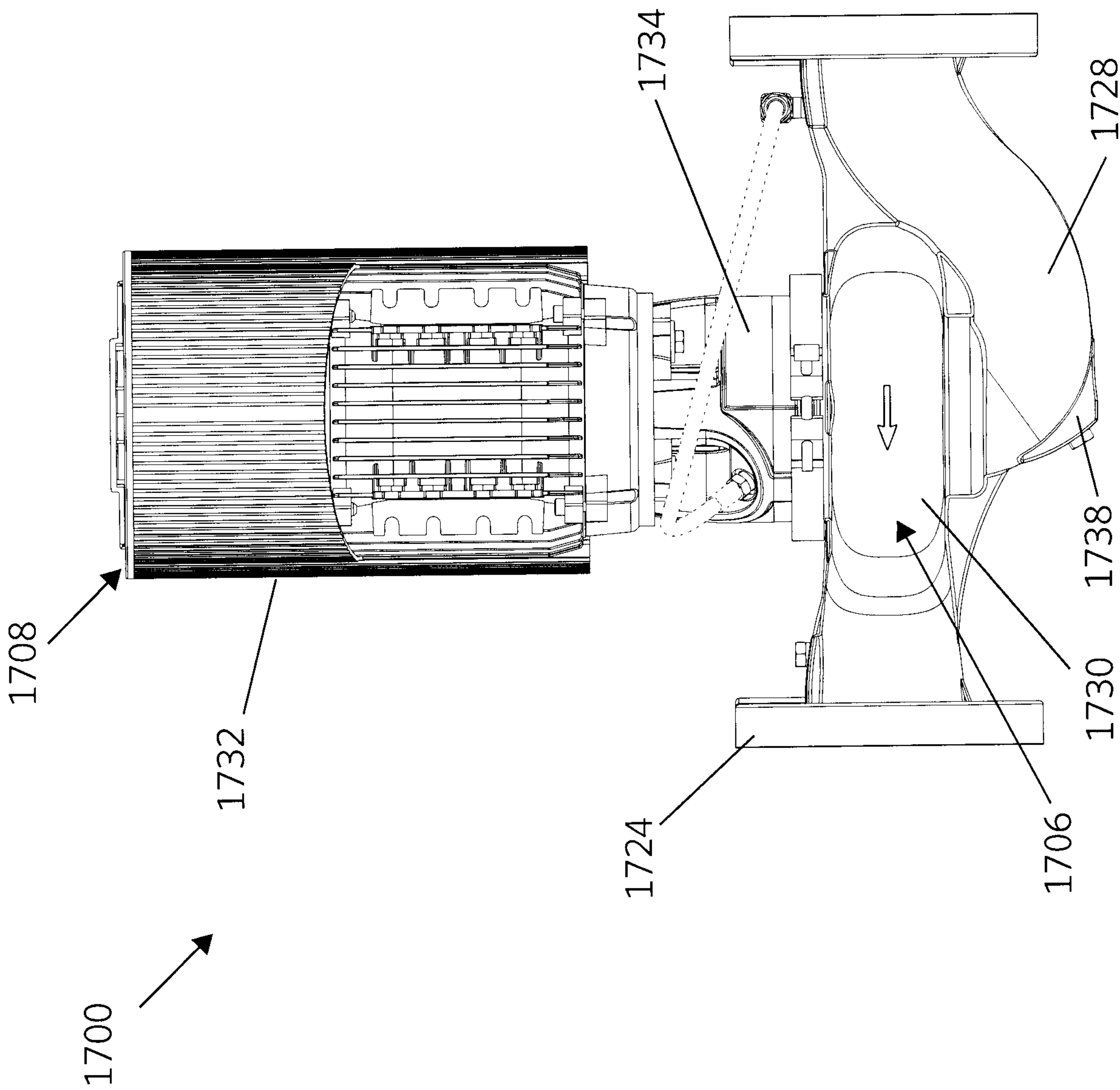


FIGURE 17D

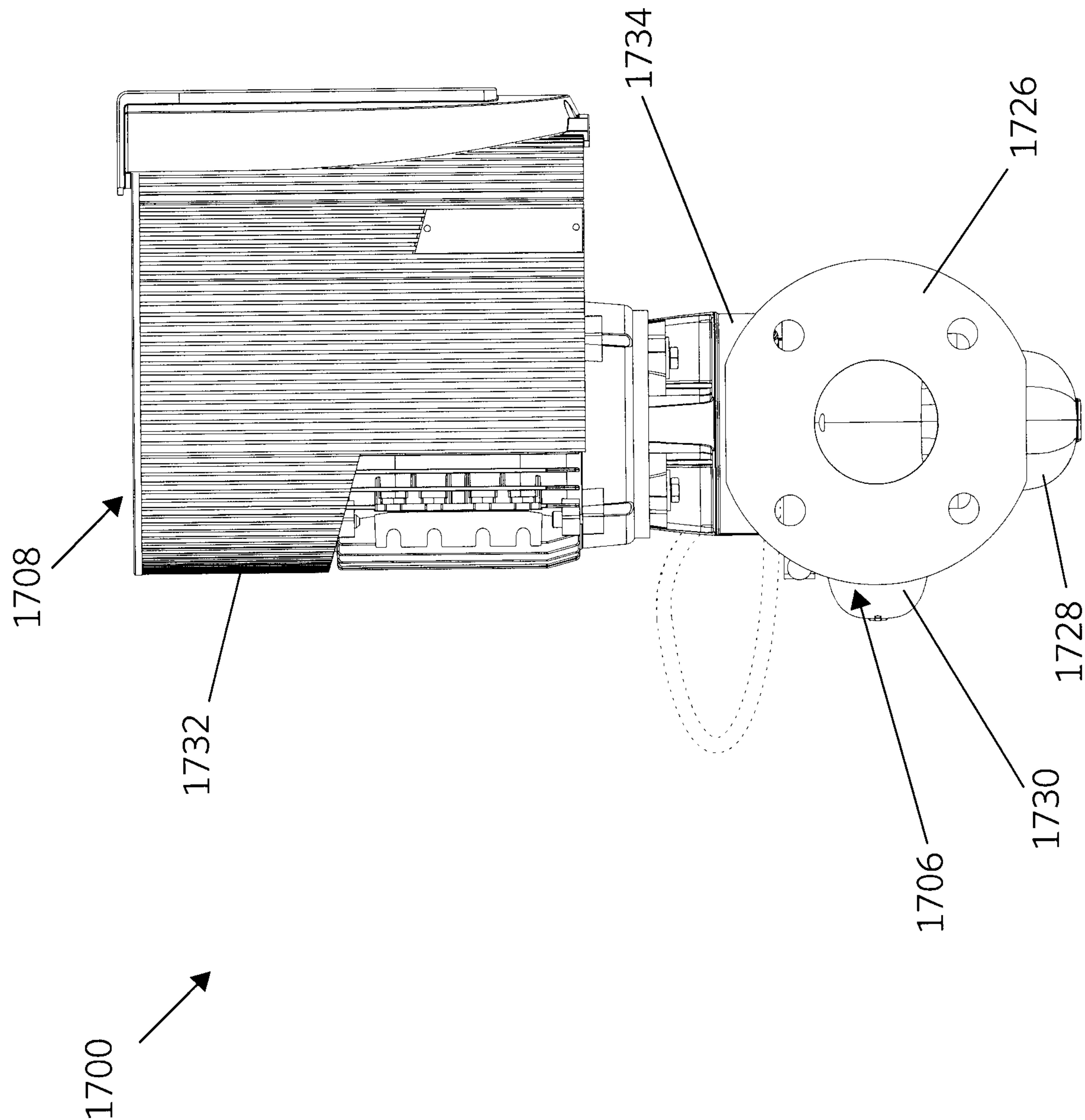


FIGURE 17E

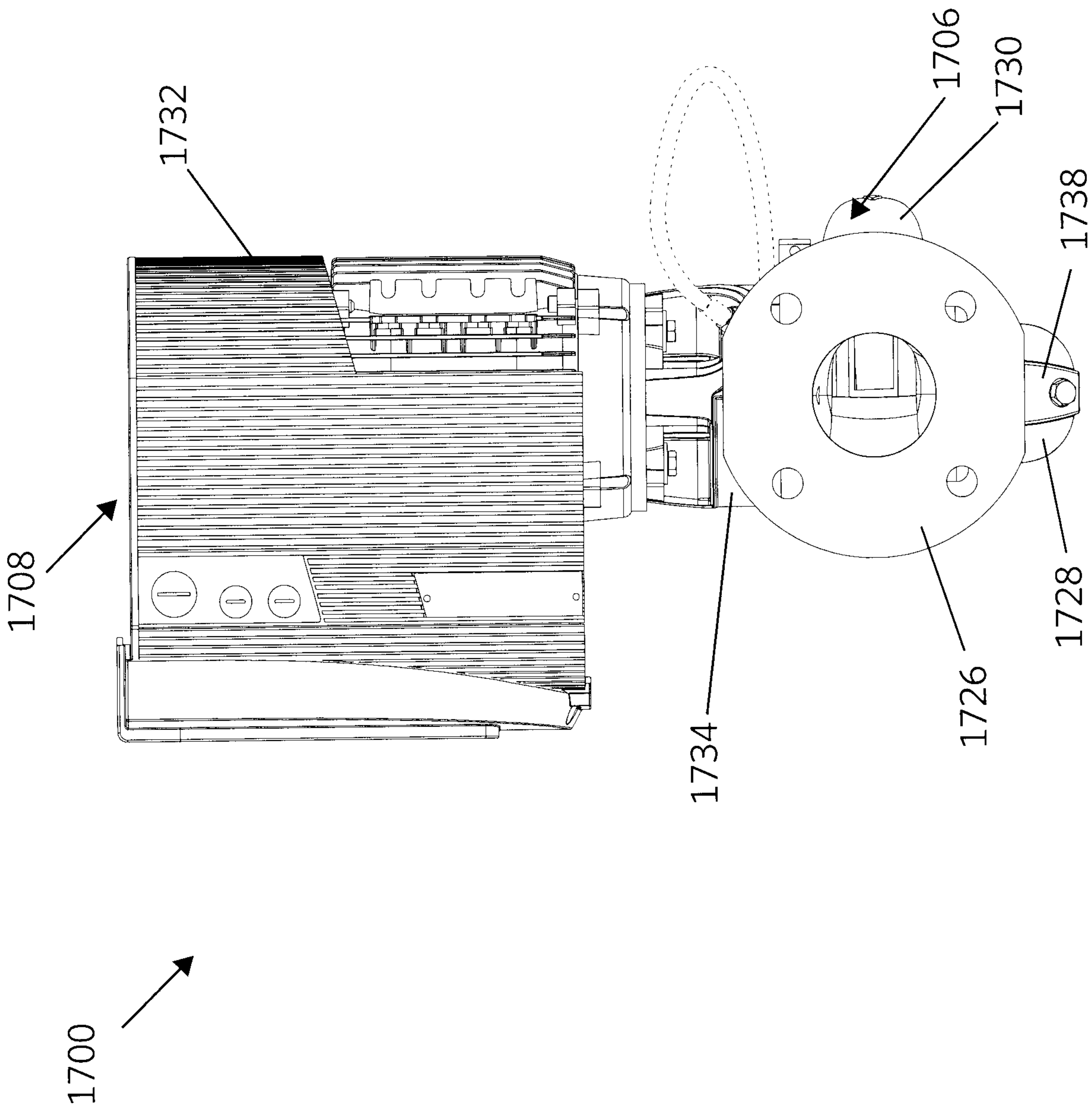


FIGURE 17F

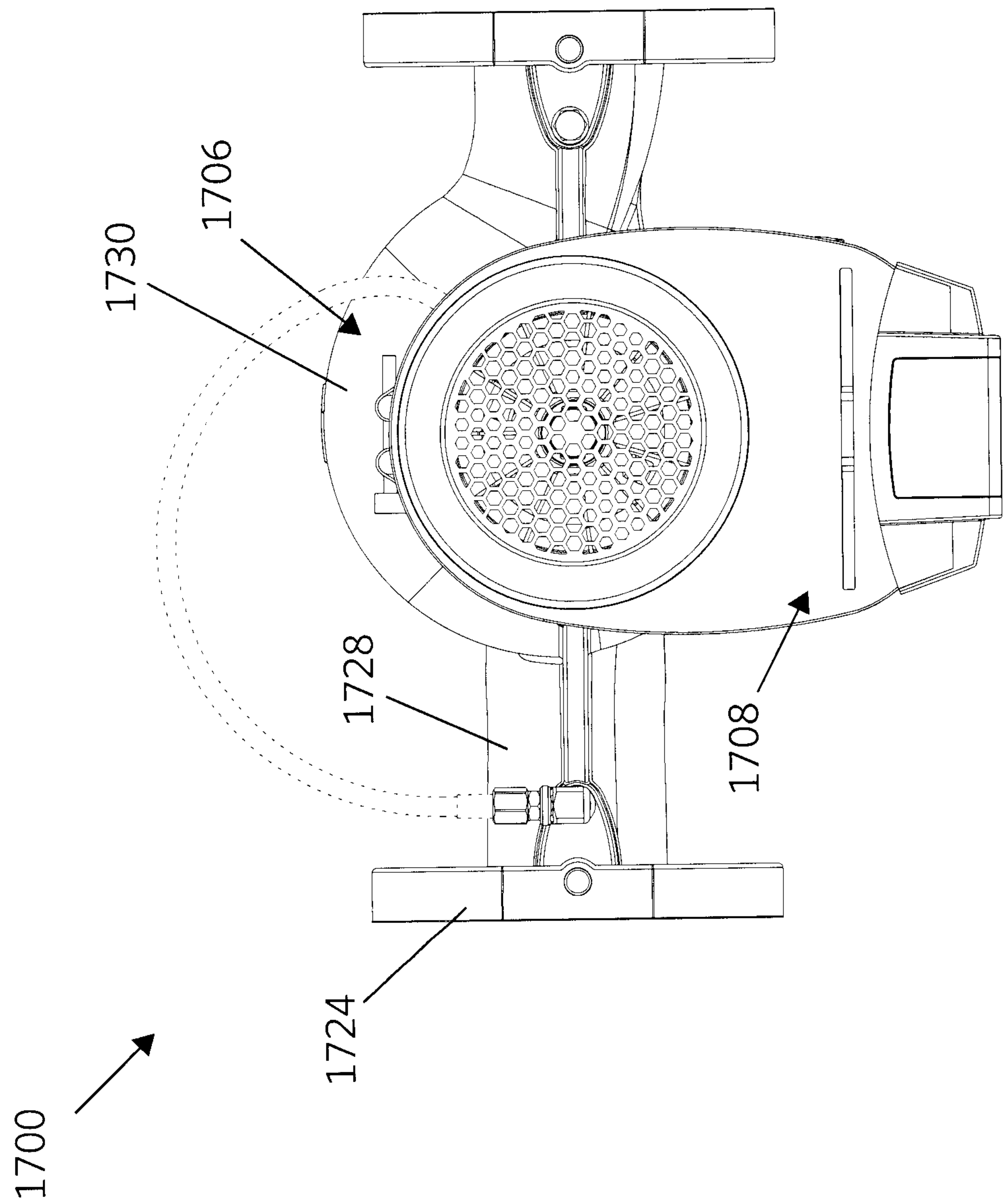


FIGURE 17G

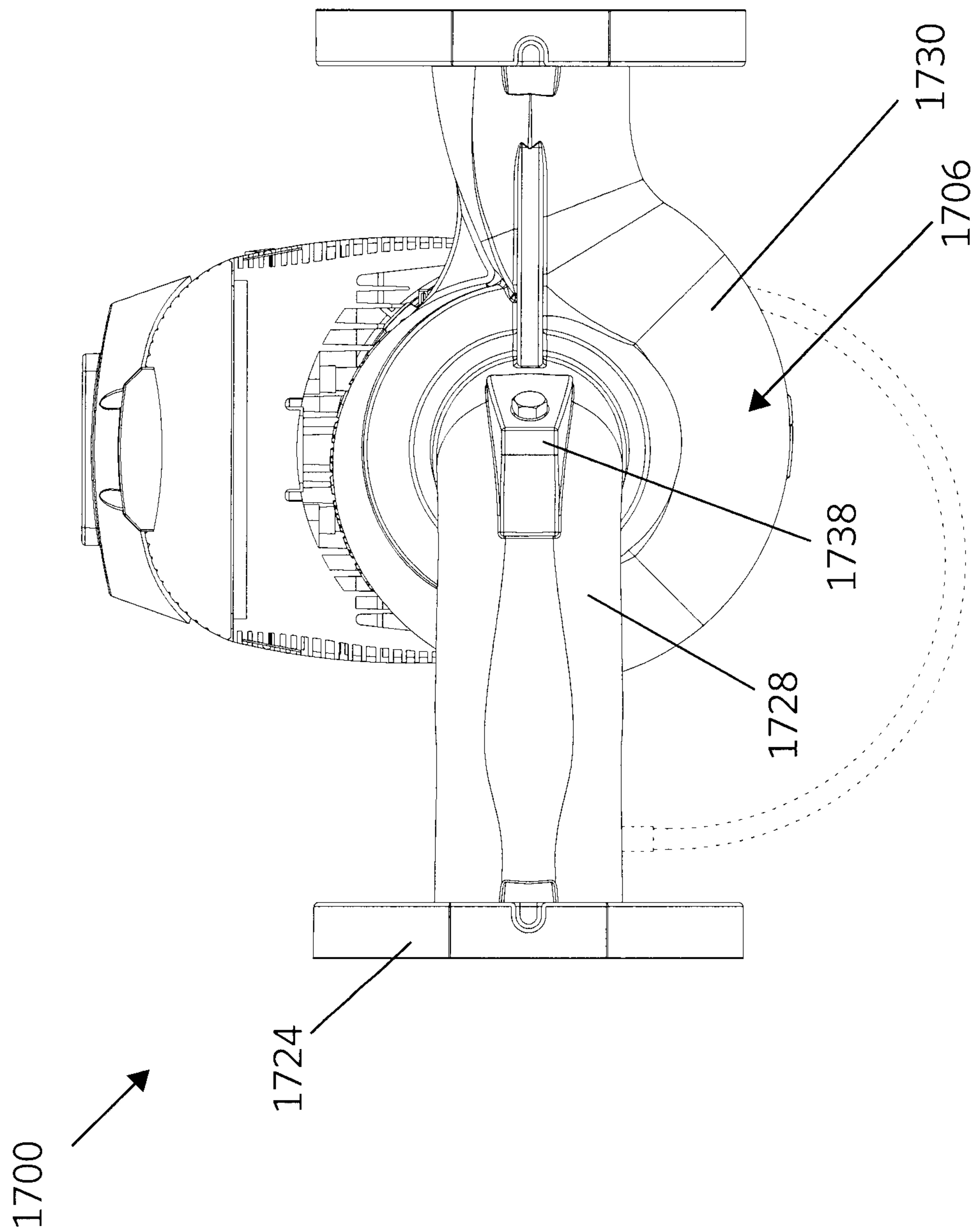


FIGURE 17H

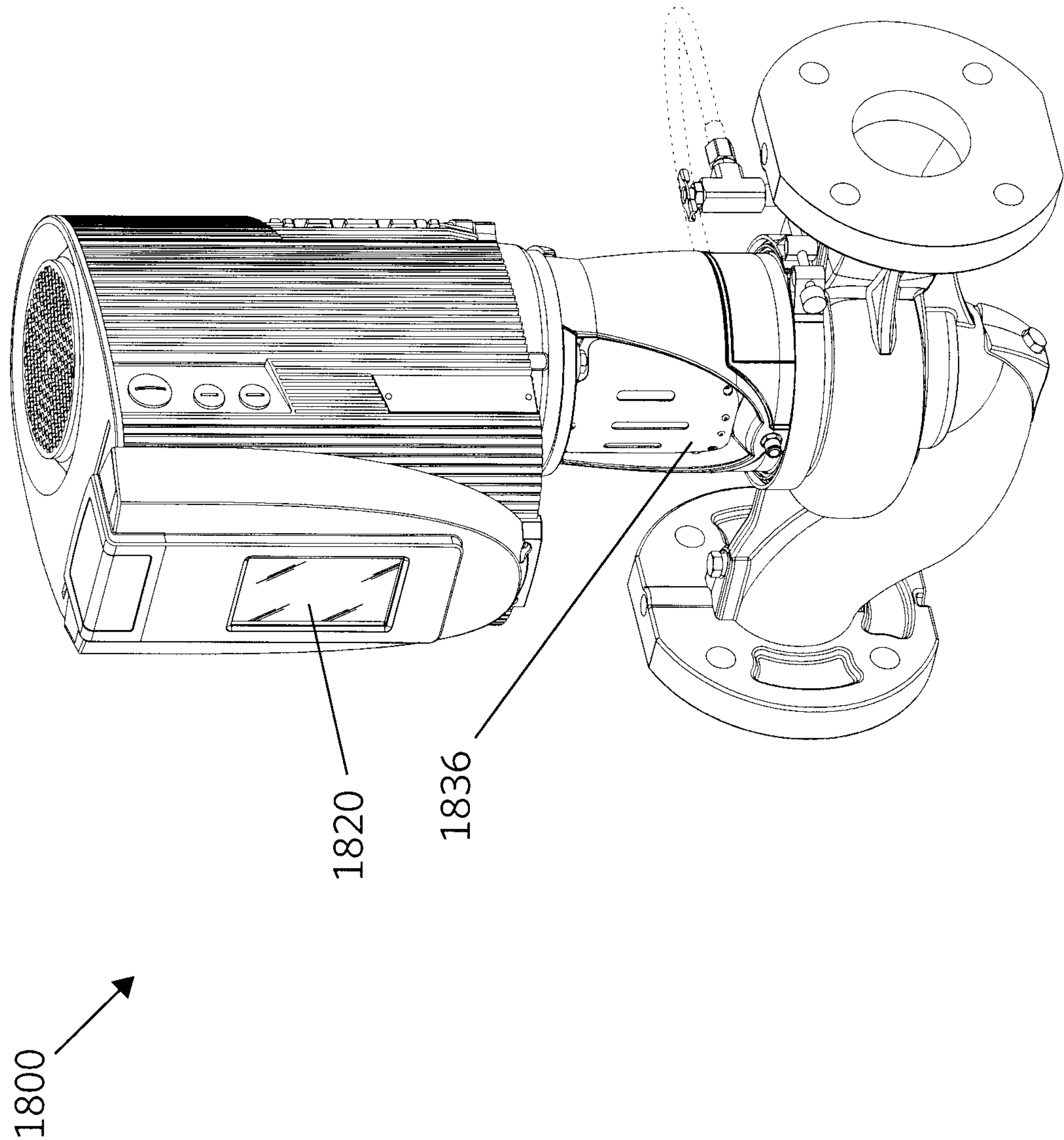


FIGURE 18A

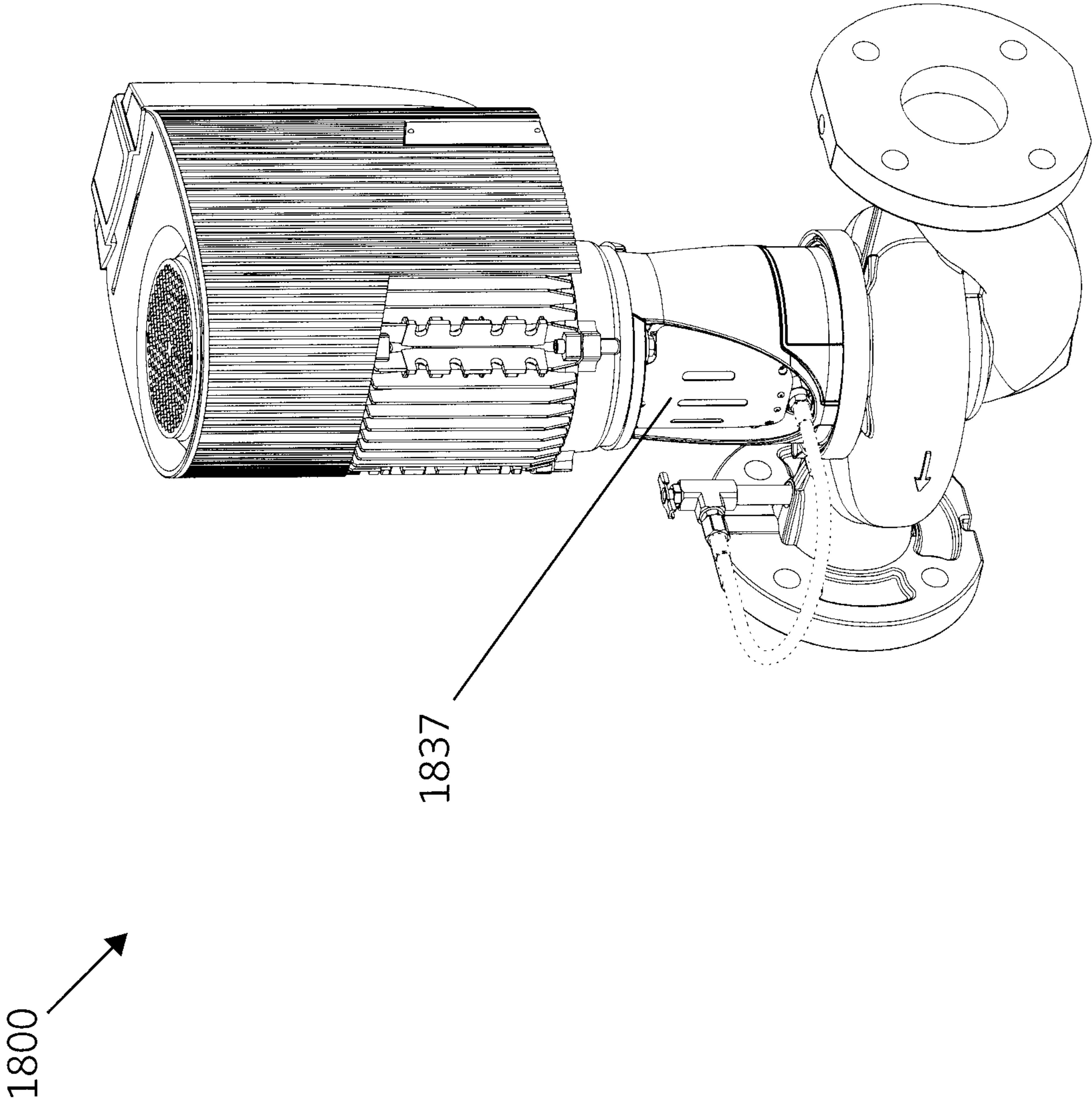
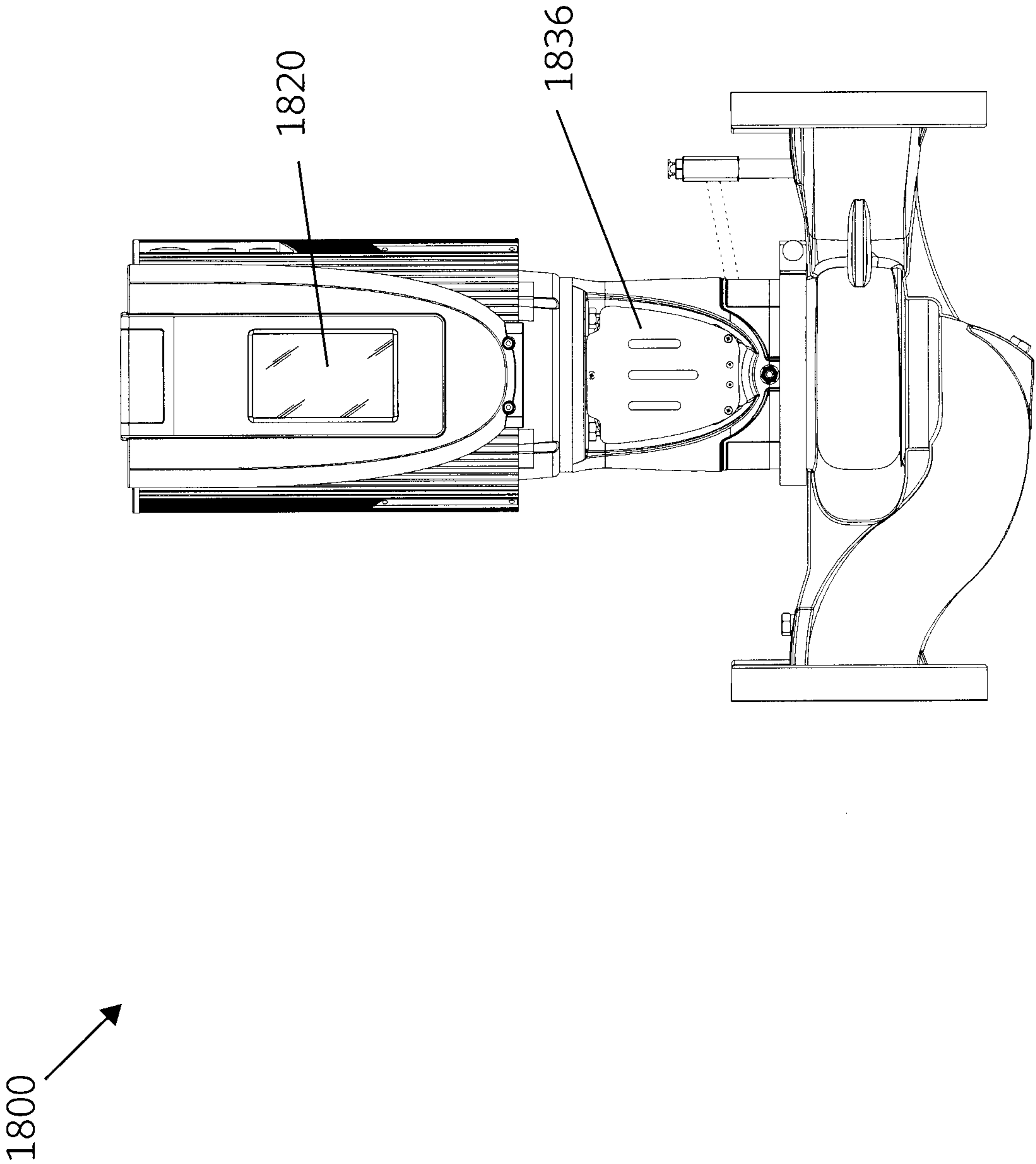
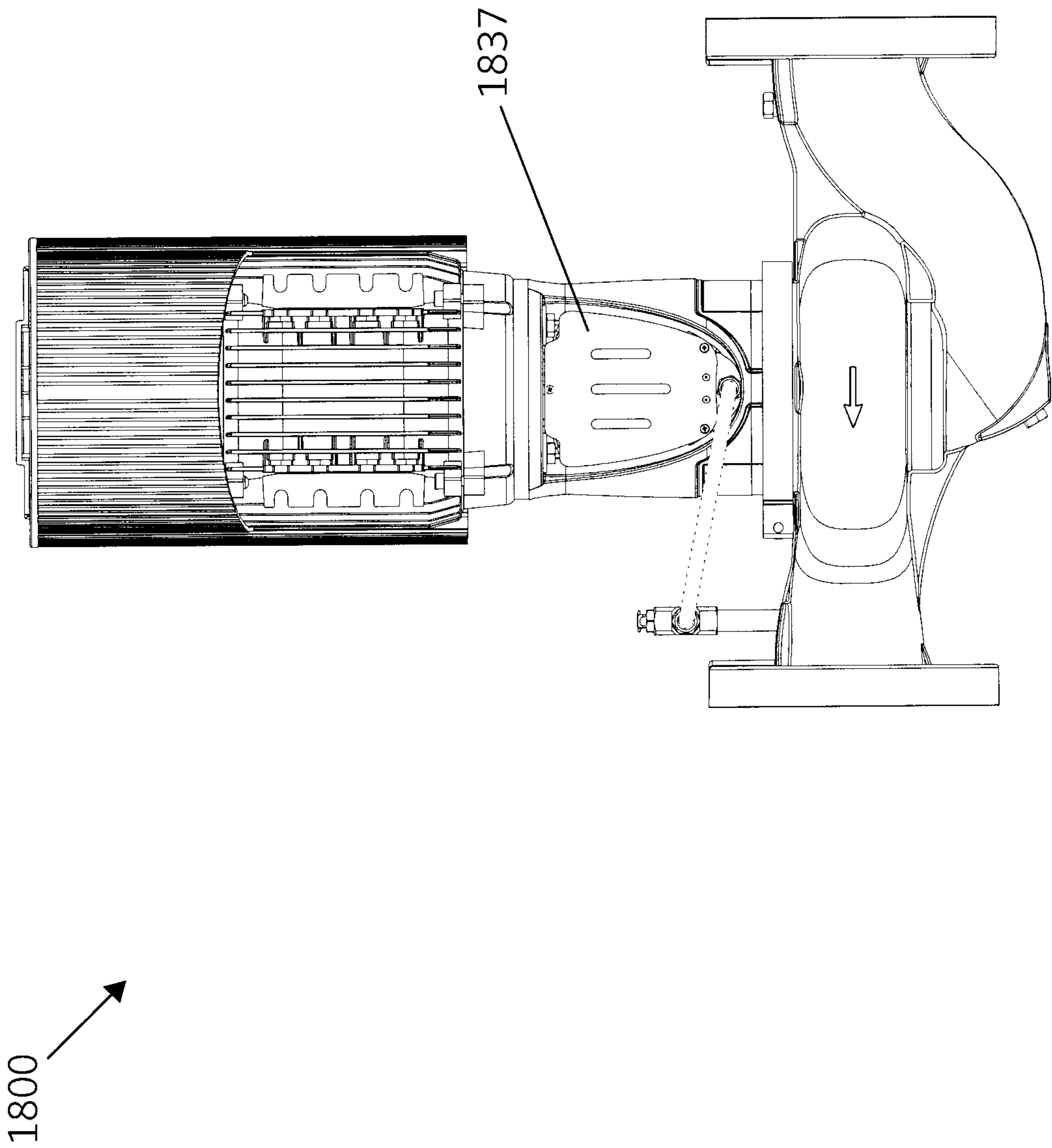


FIGURE 18B





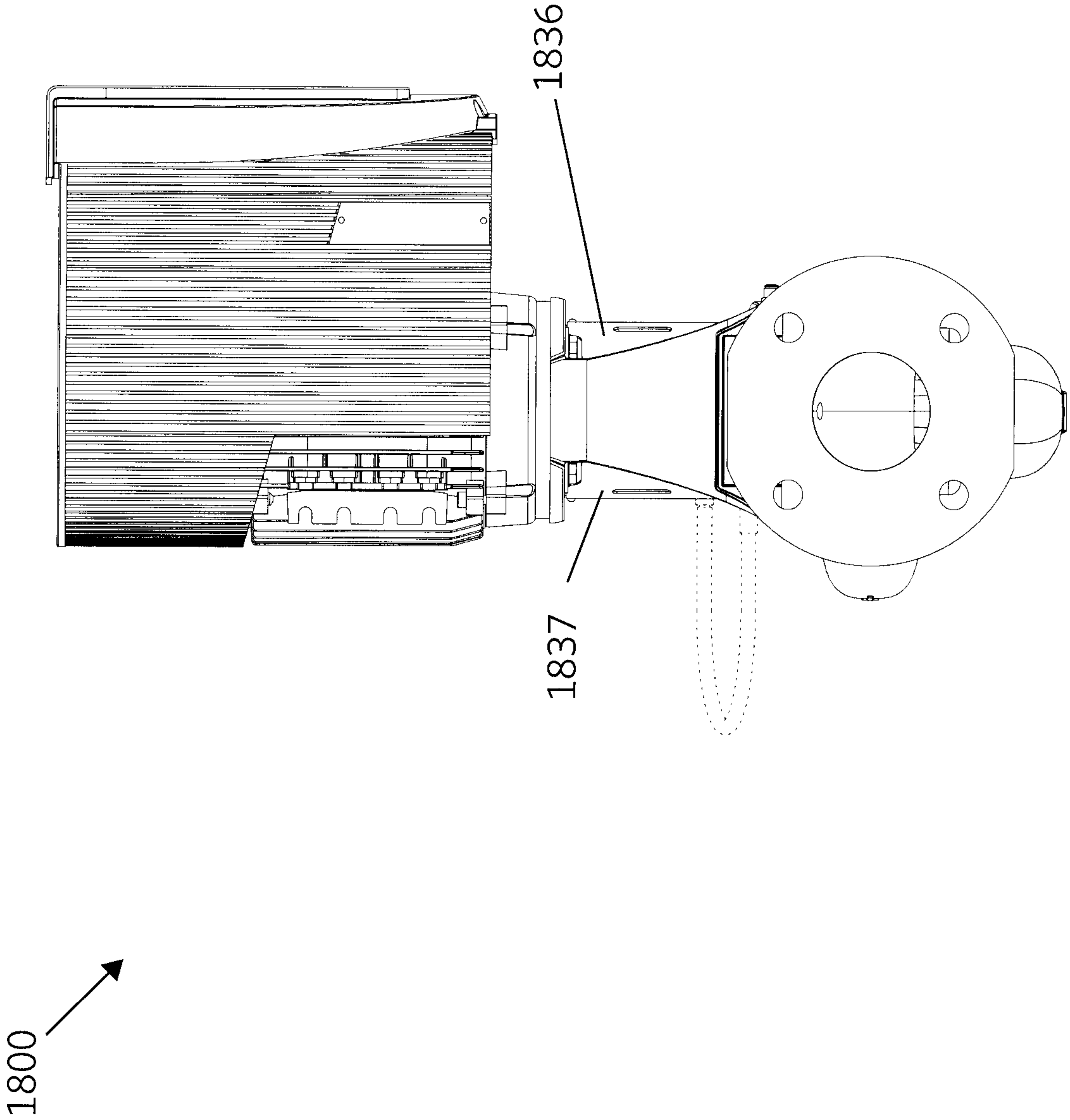


FIGURE 18E

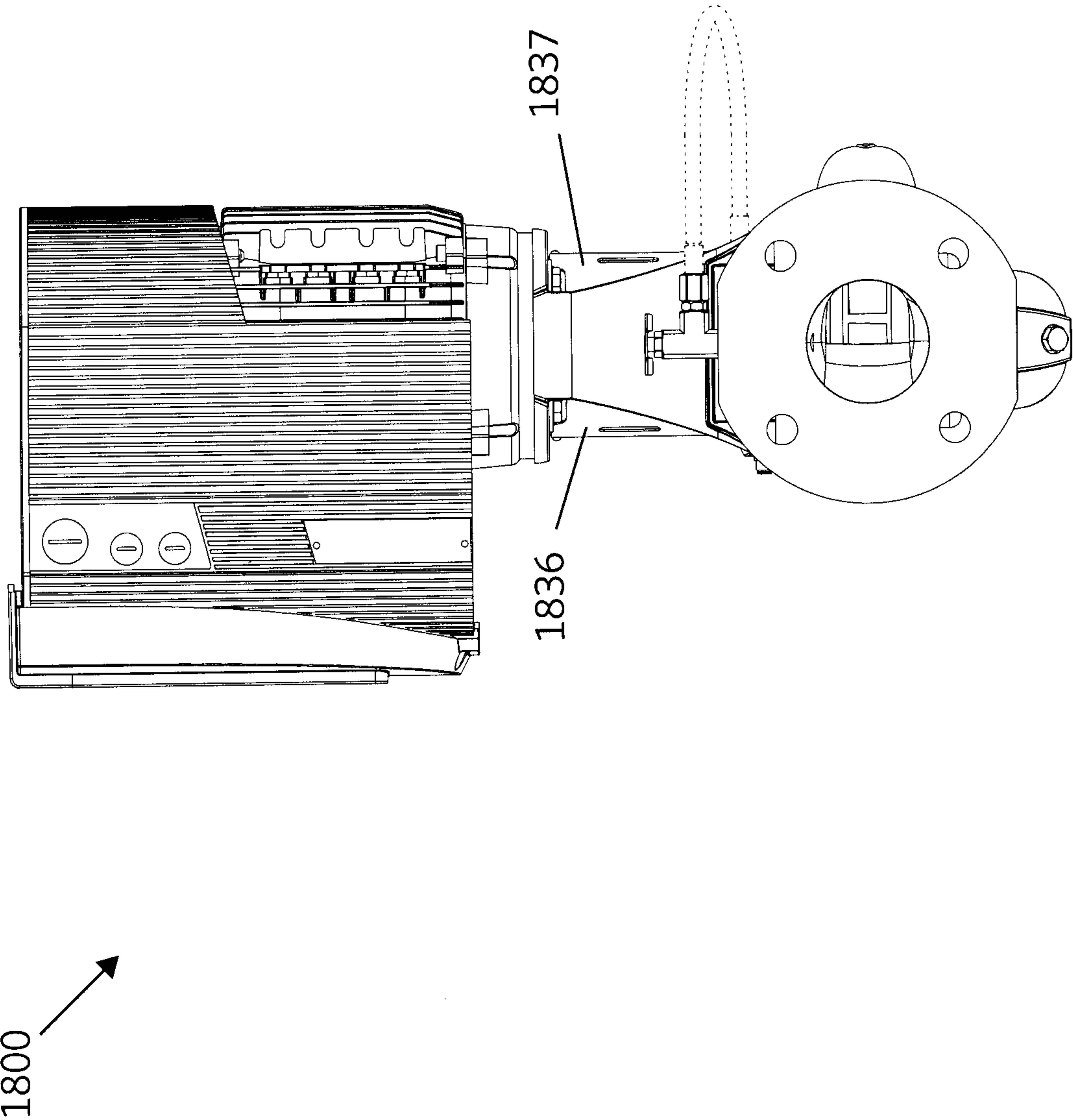


FIGURE 18F

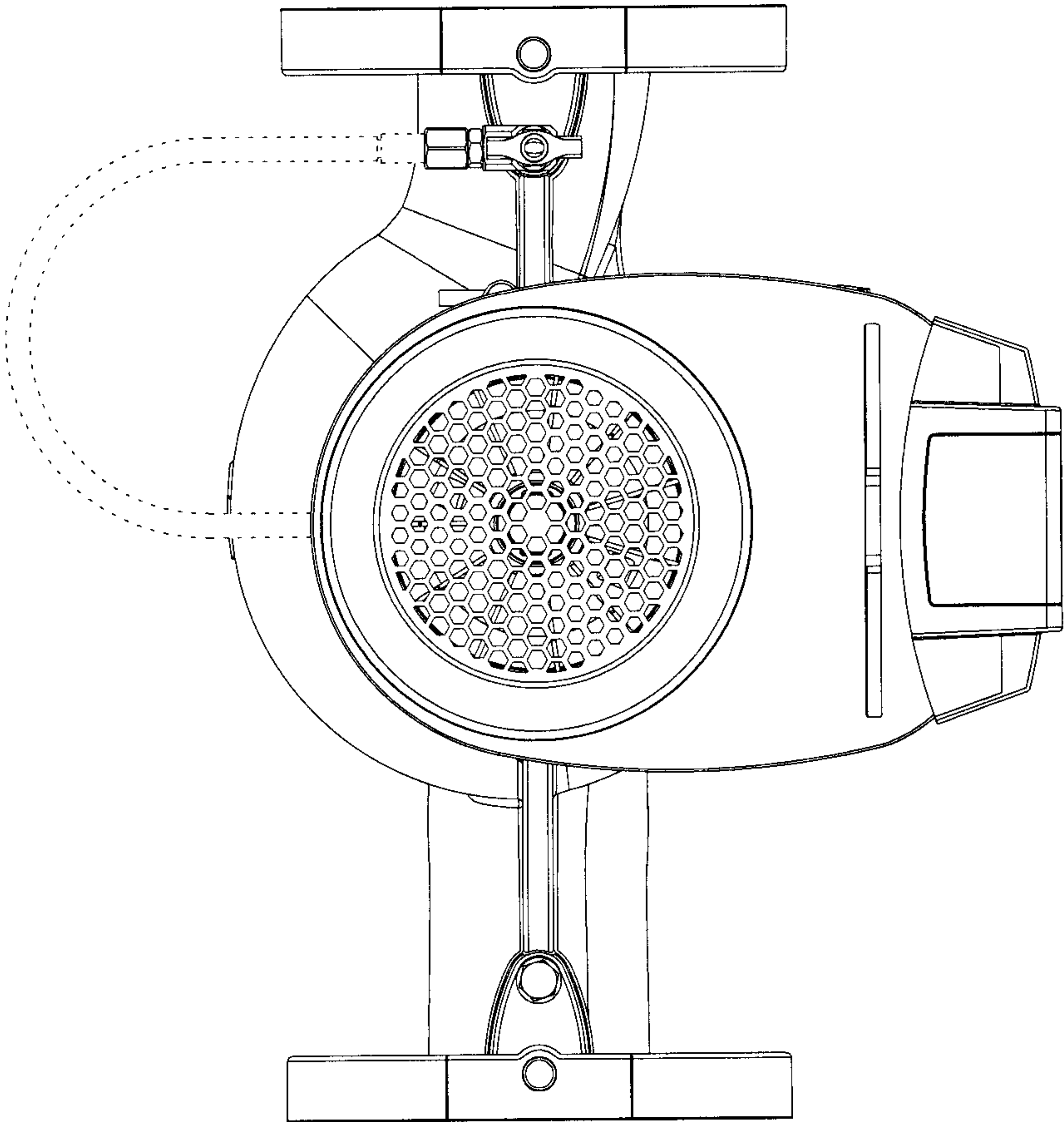


FIGURE 18G

1800

1800

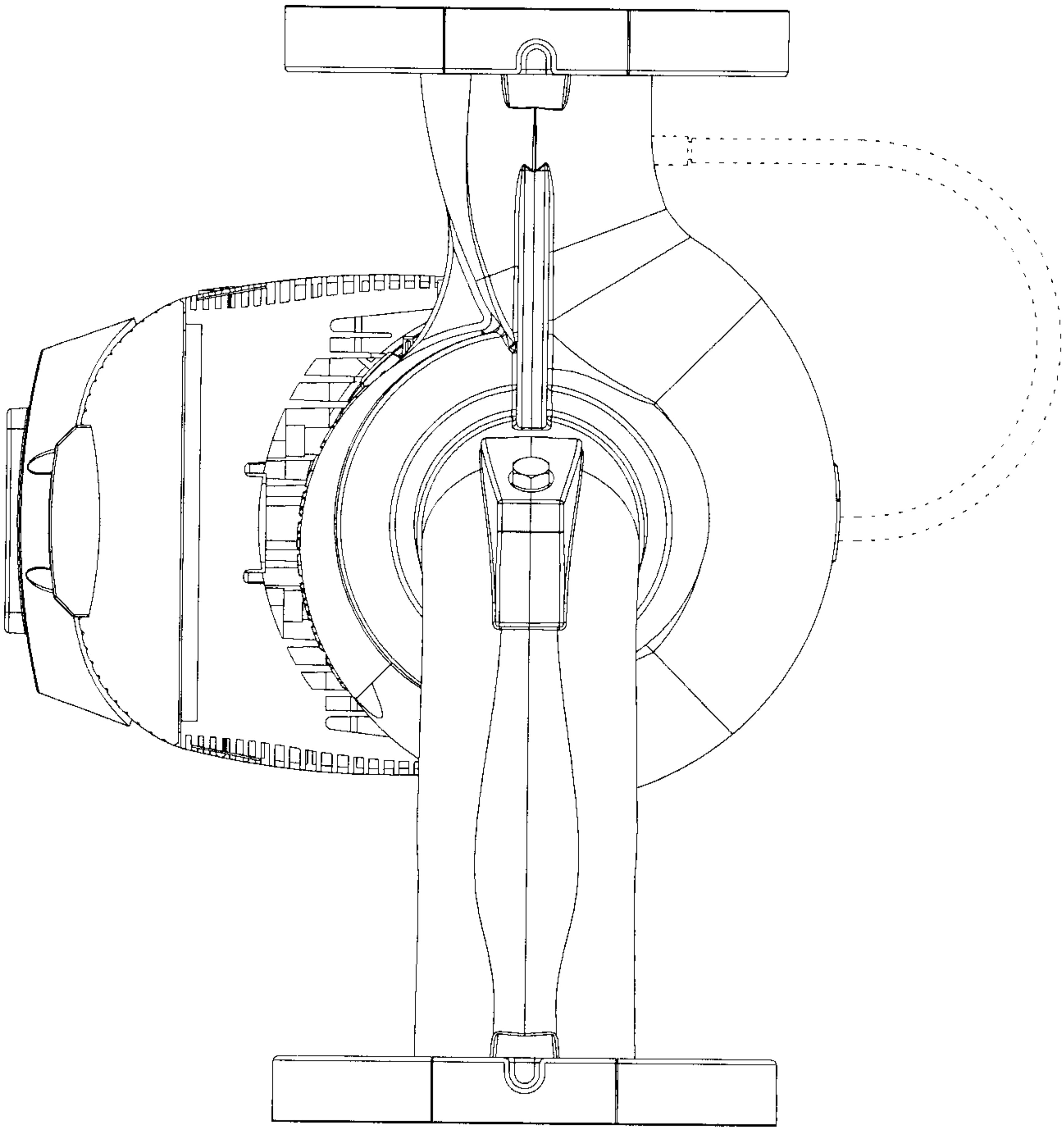


FIGURE 18H