

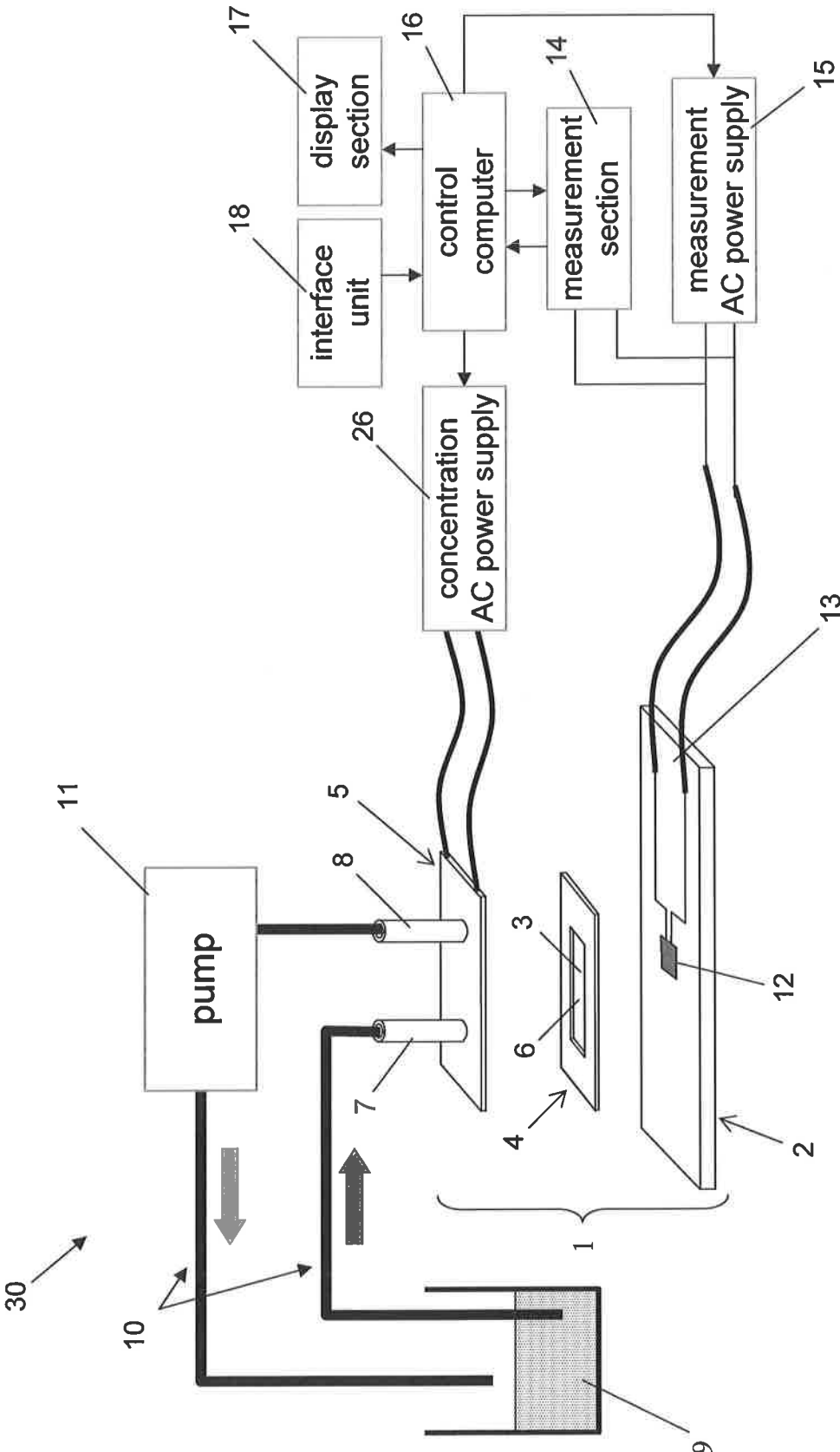


FIG. 1

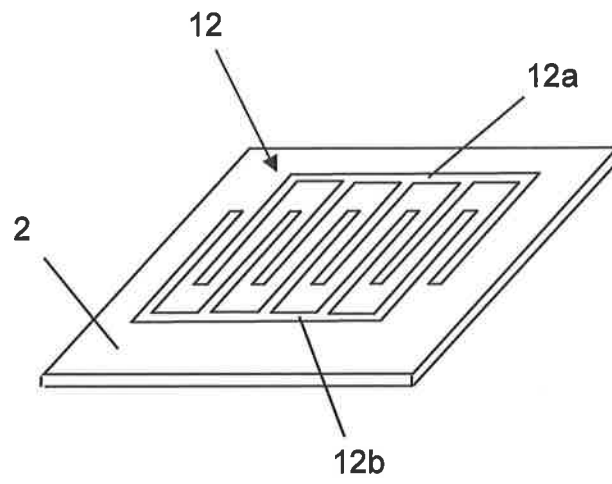


FIG. 2

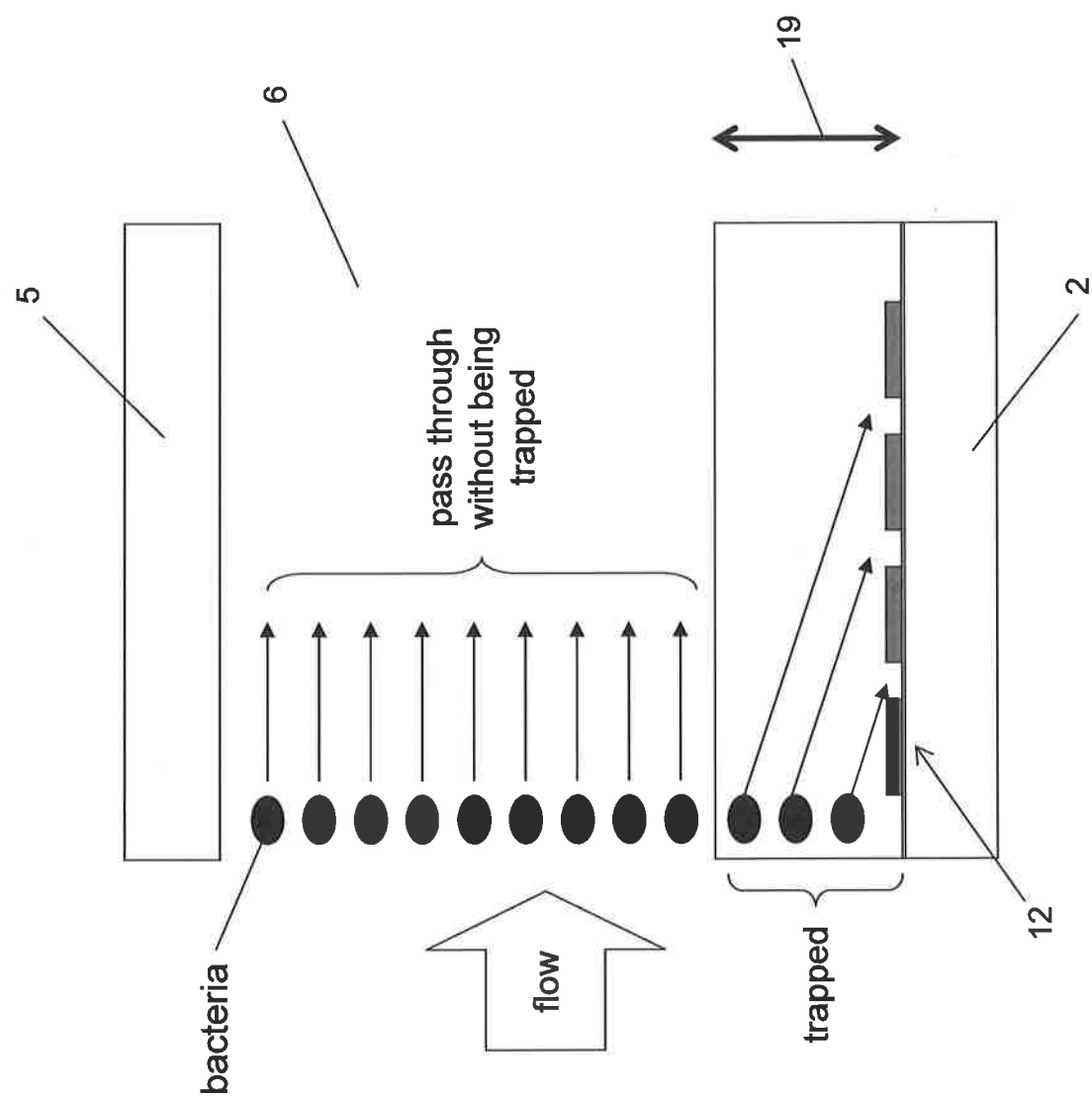
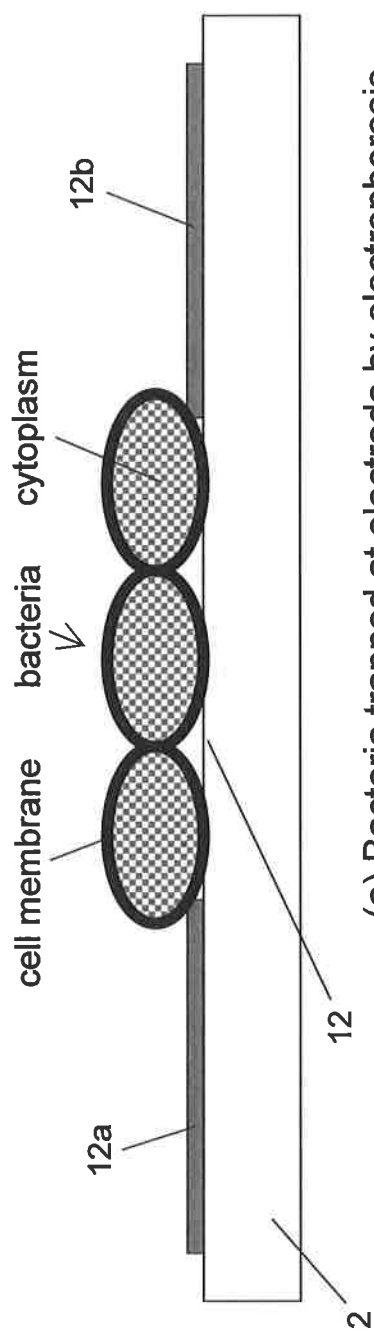
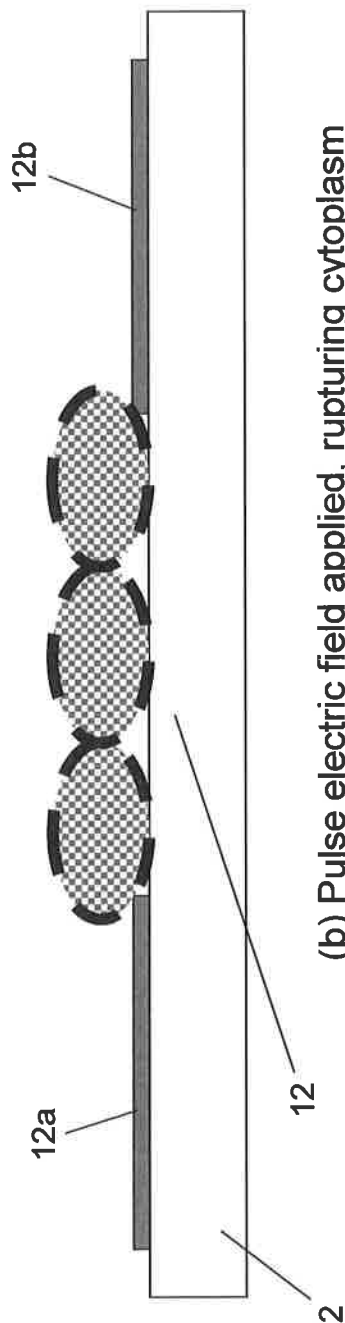


FIG. 3

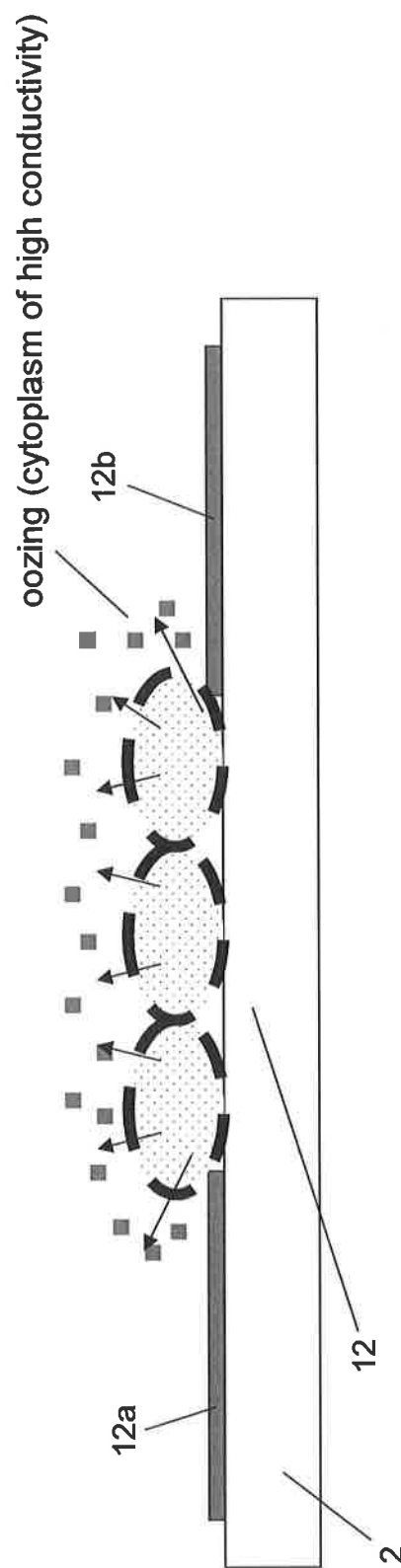
FIG. 4



(a) Bacteria trapped at electrode by electrophoresis



(b) Pulse electric field applied, rupturing cytoplasm



(c) Cytoplasm oozing out of cell membranes of increased permeability

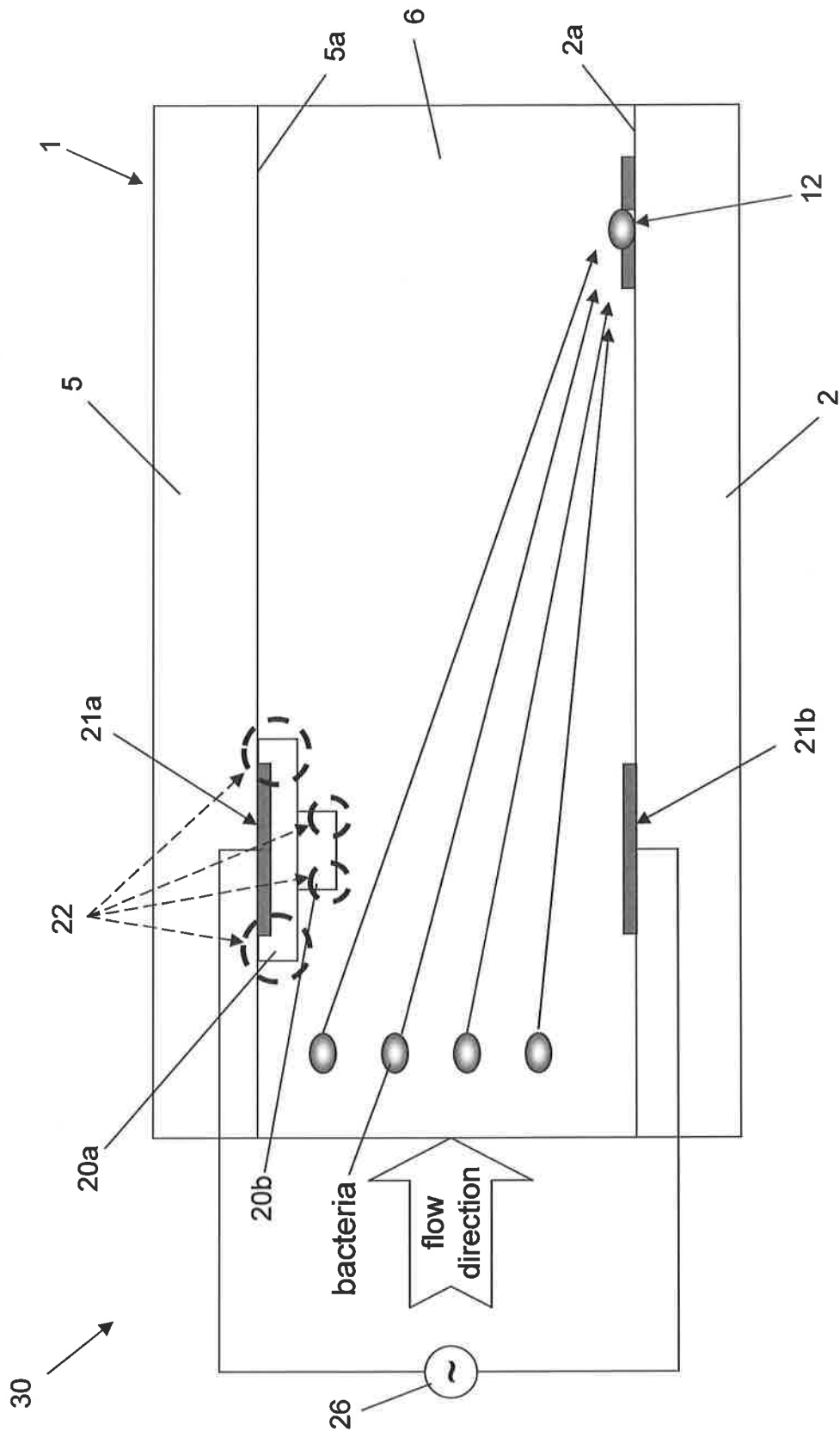


FIG. 5

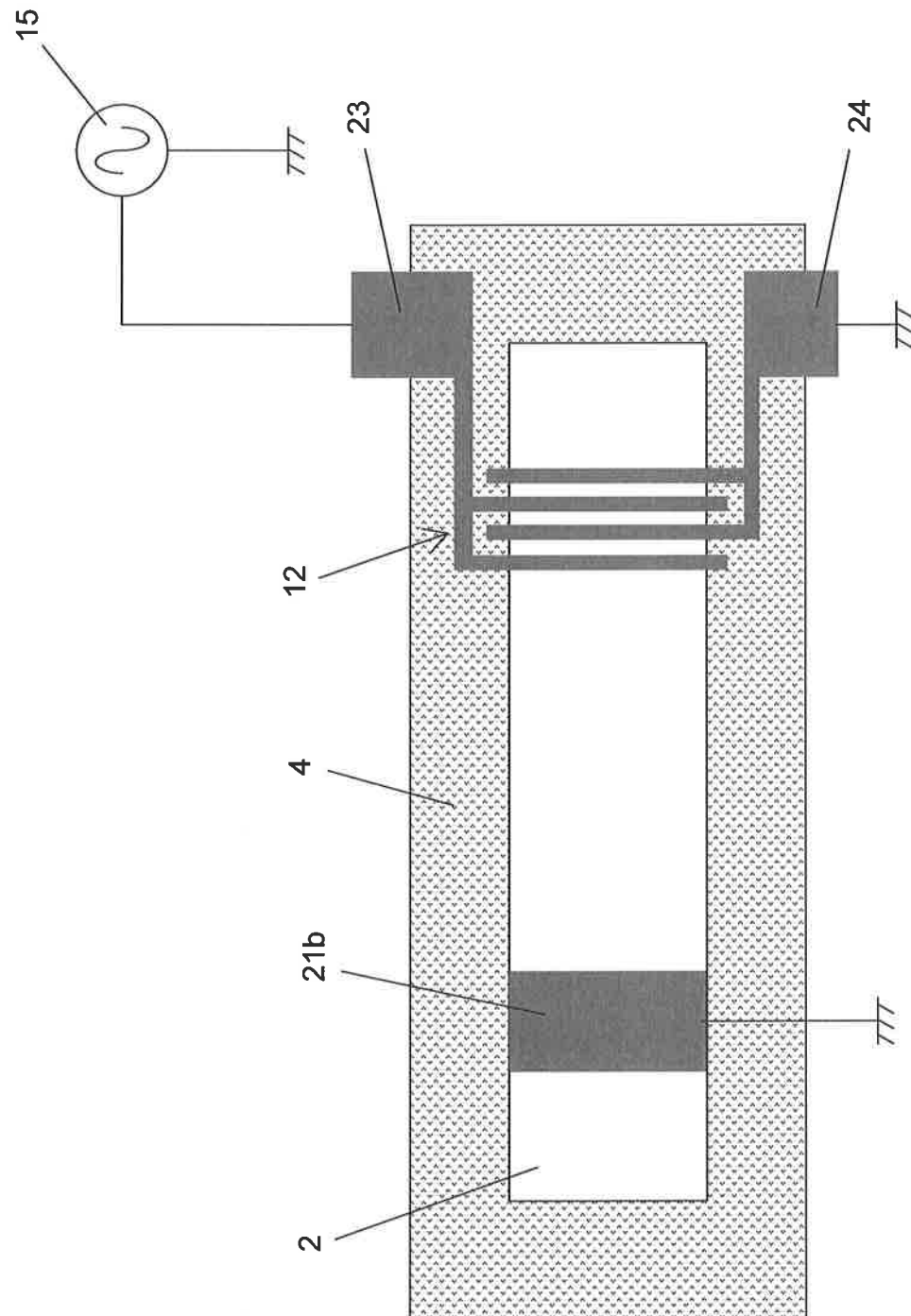


FIG. 6

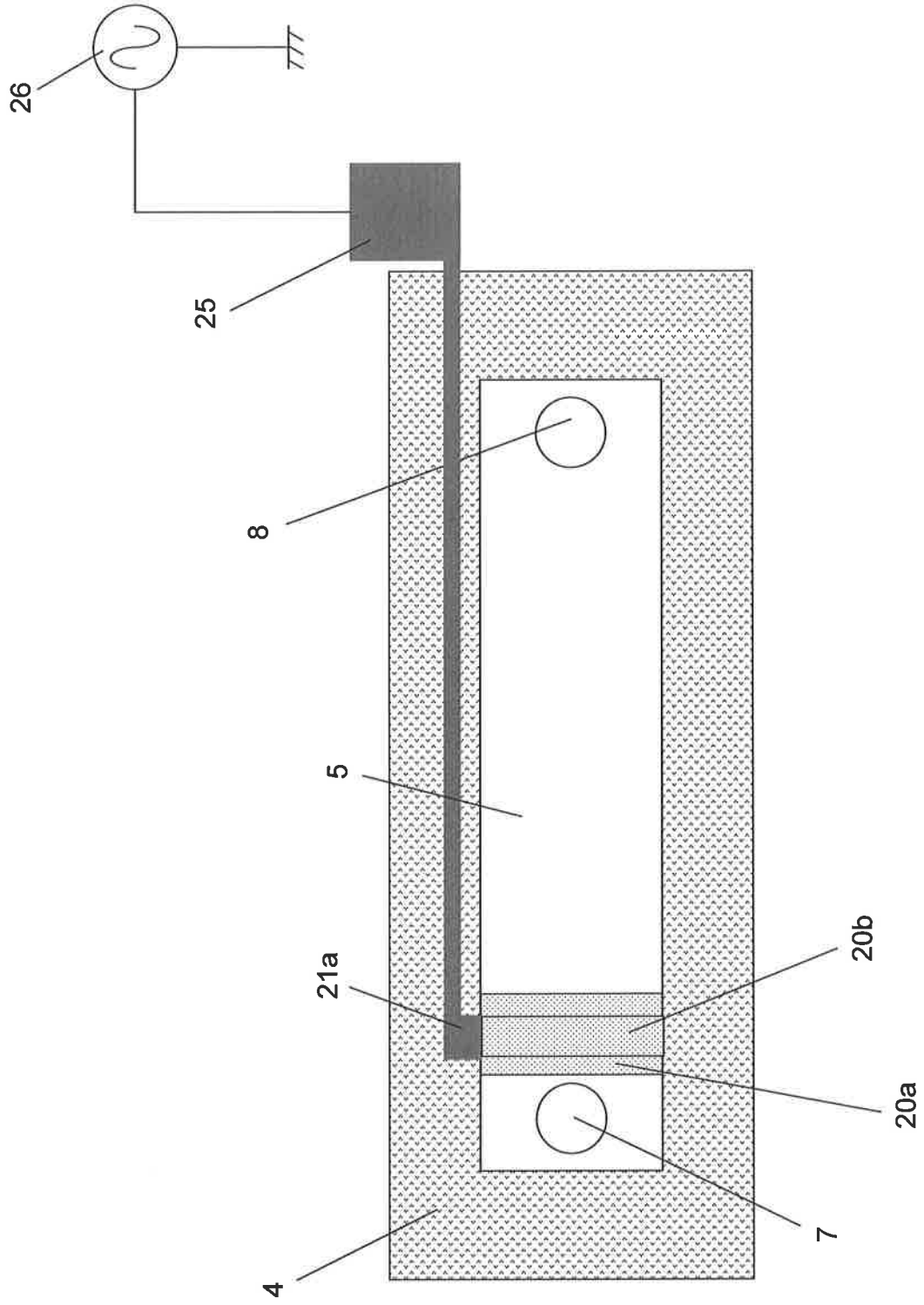


FIG. 7

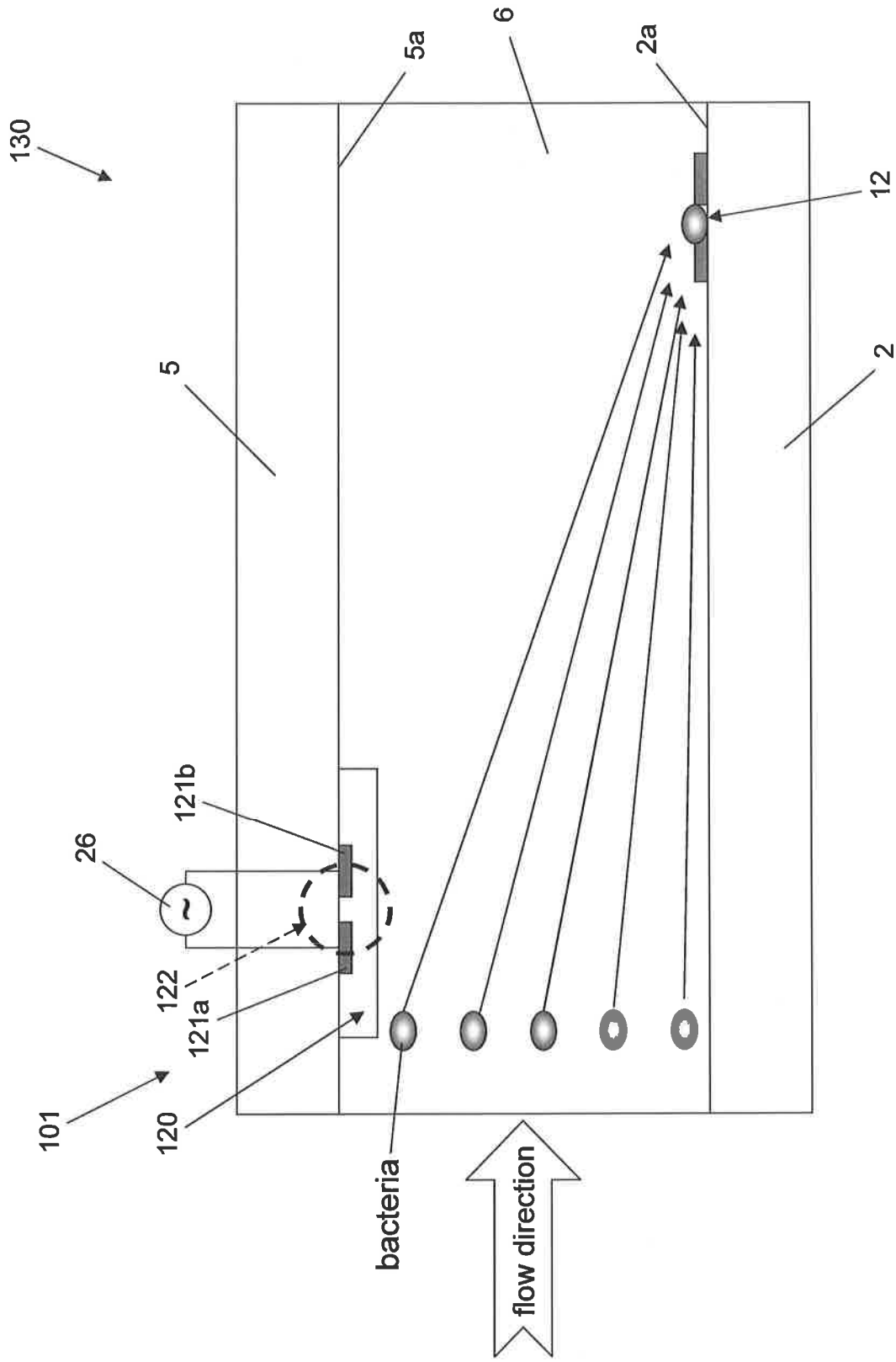


FIG. 8

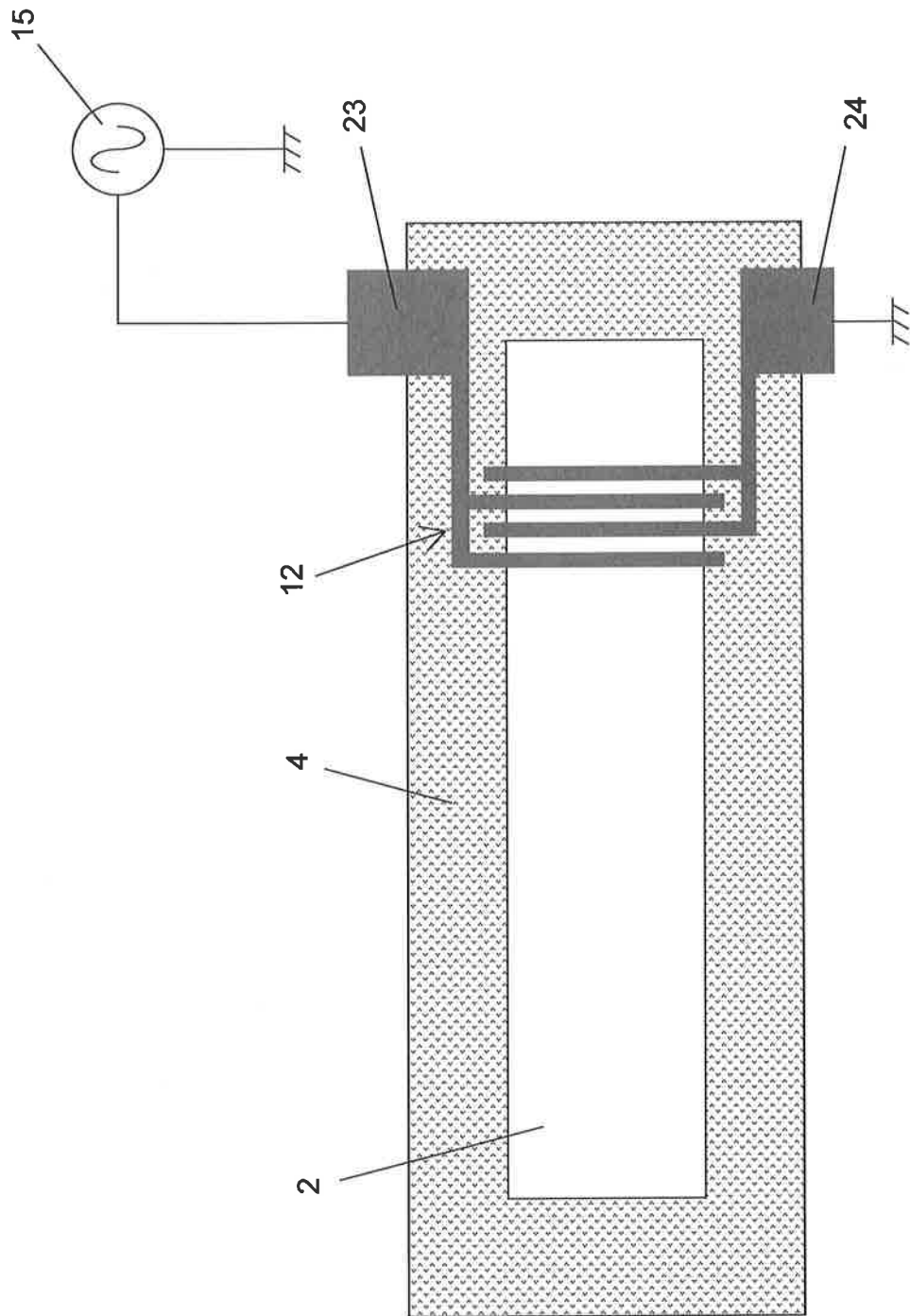


FIG. 9

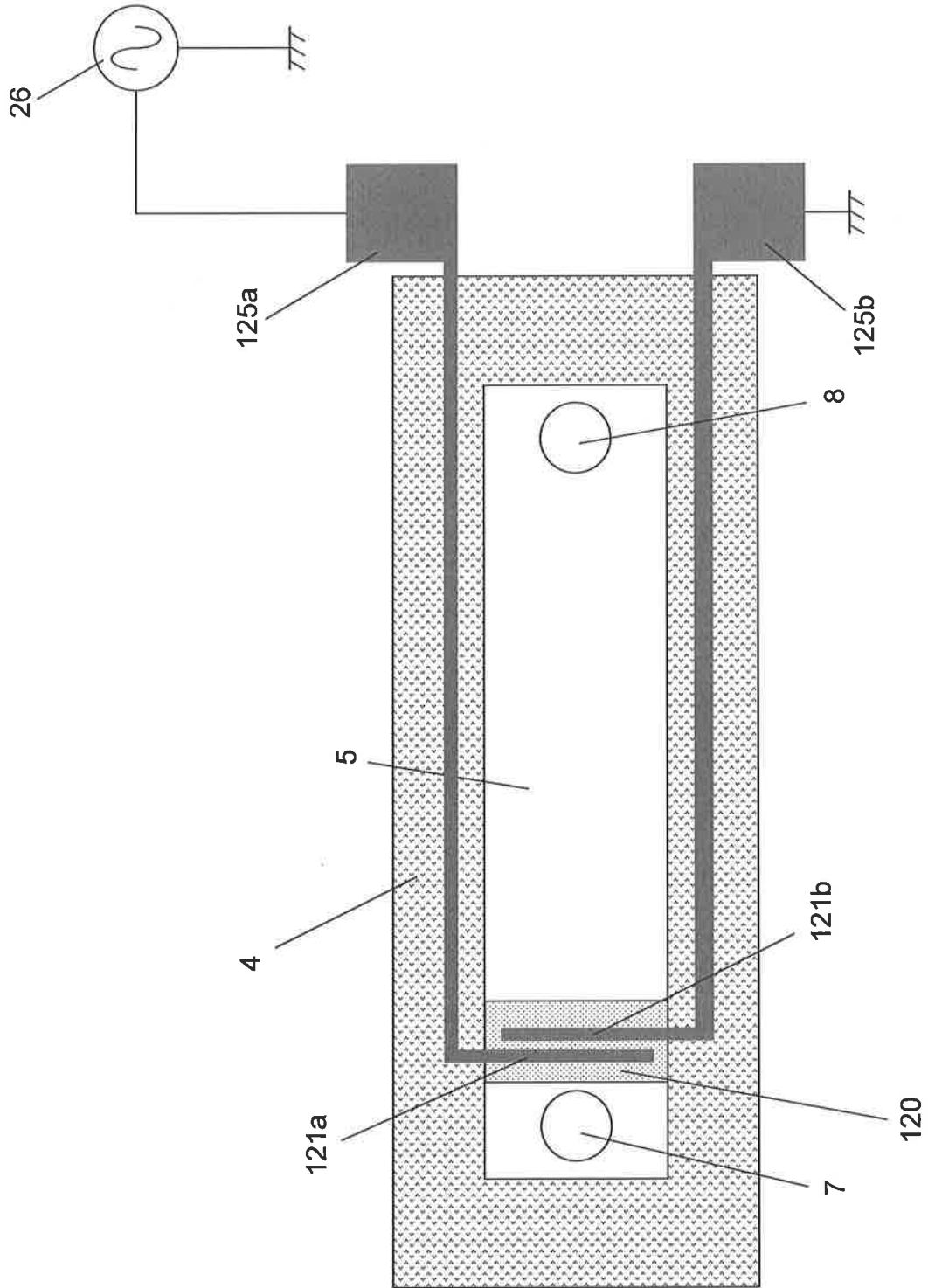


FIG. 10

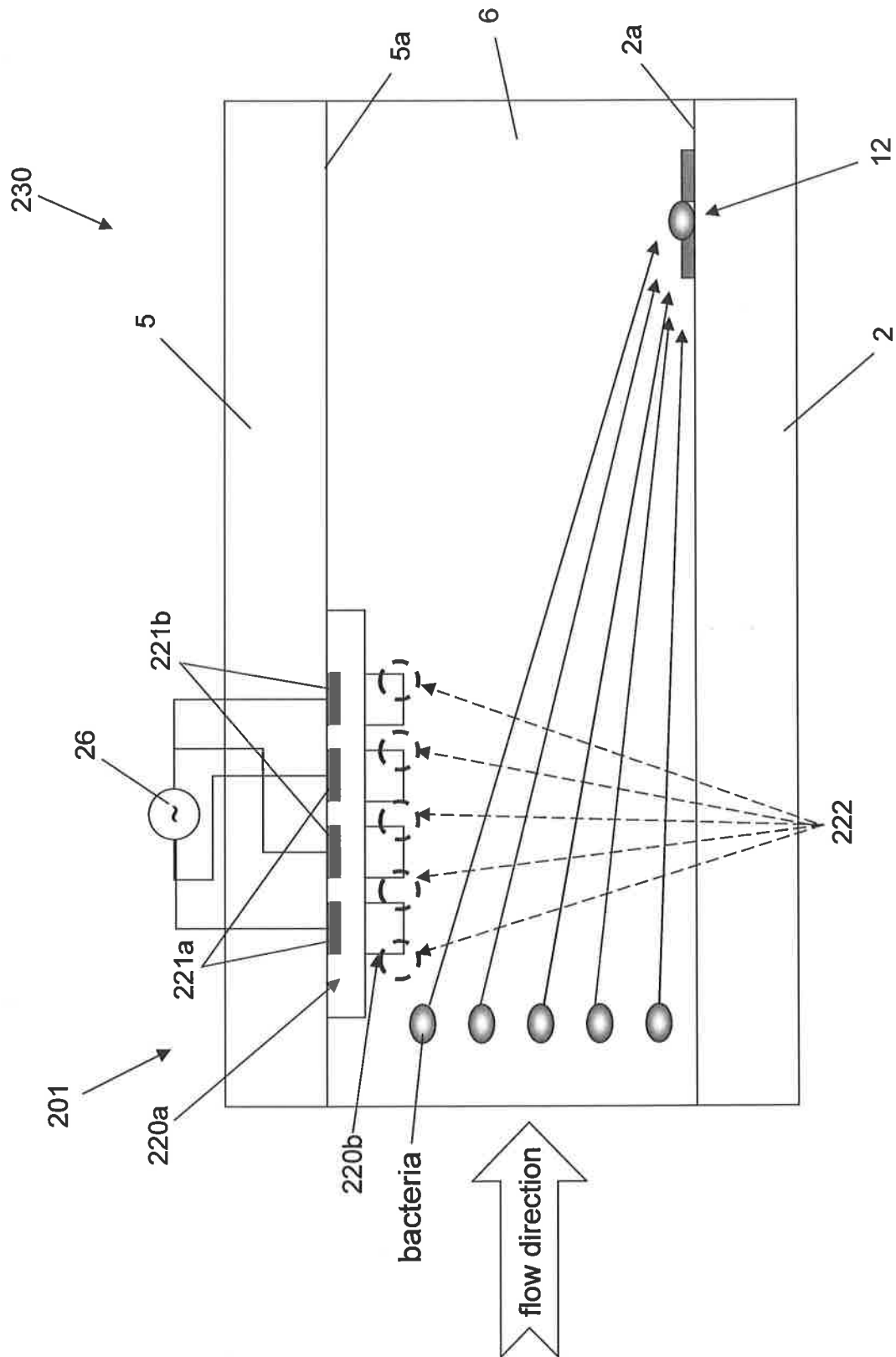


FIG. 11

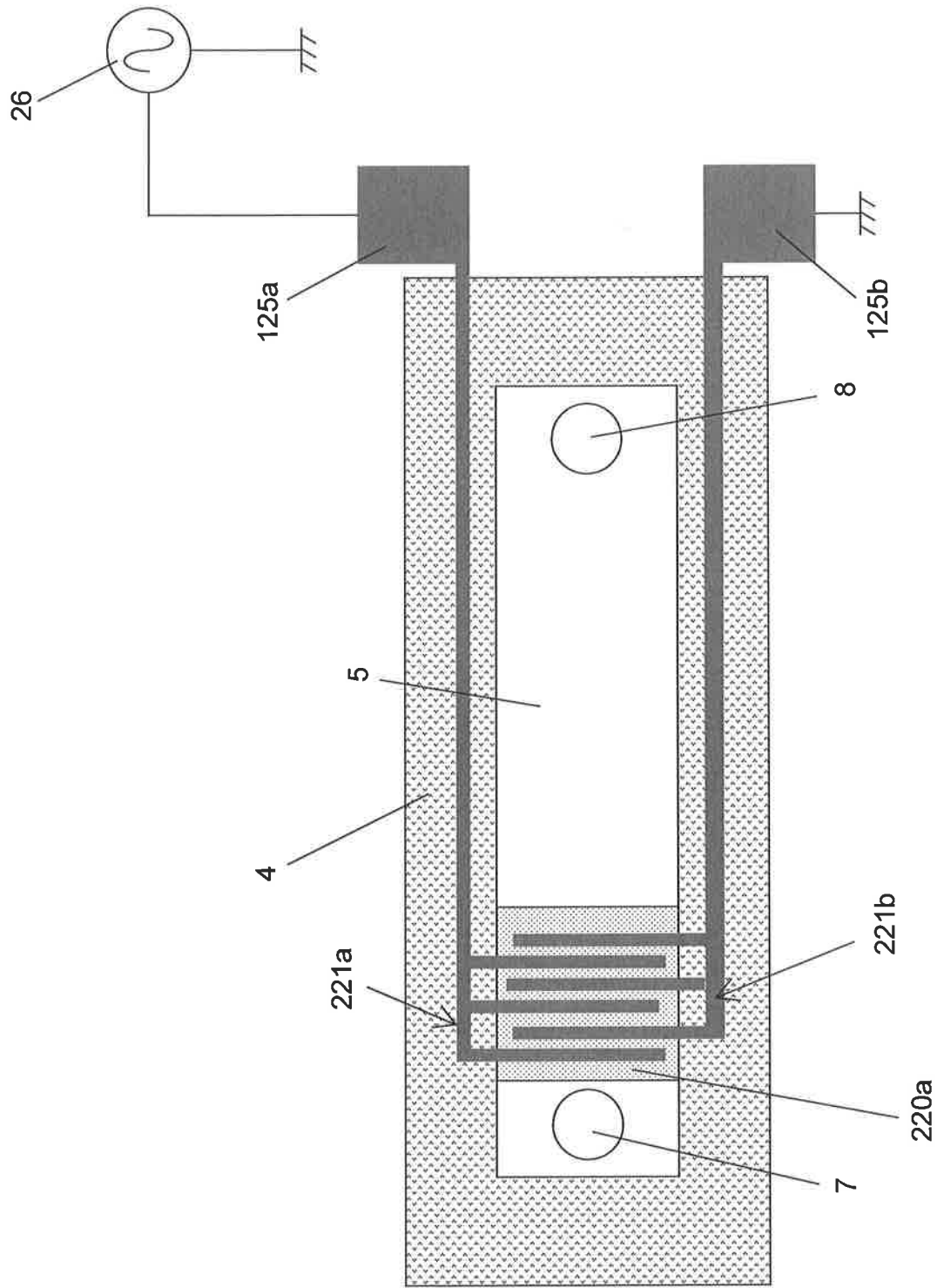


FIG. 12

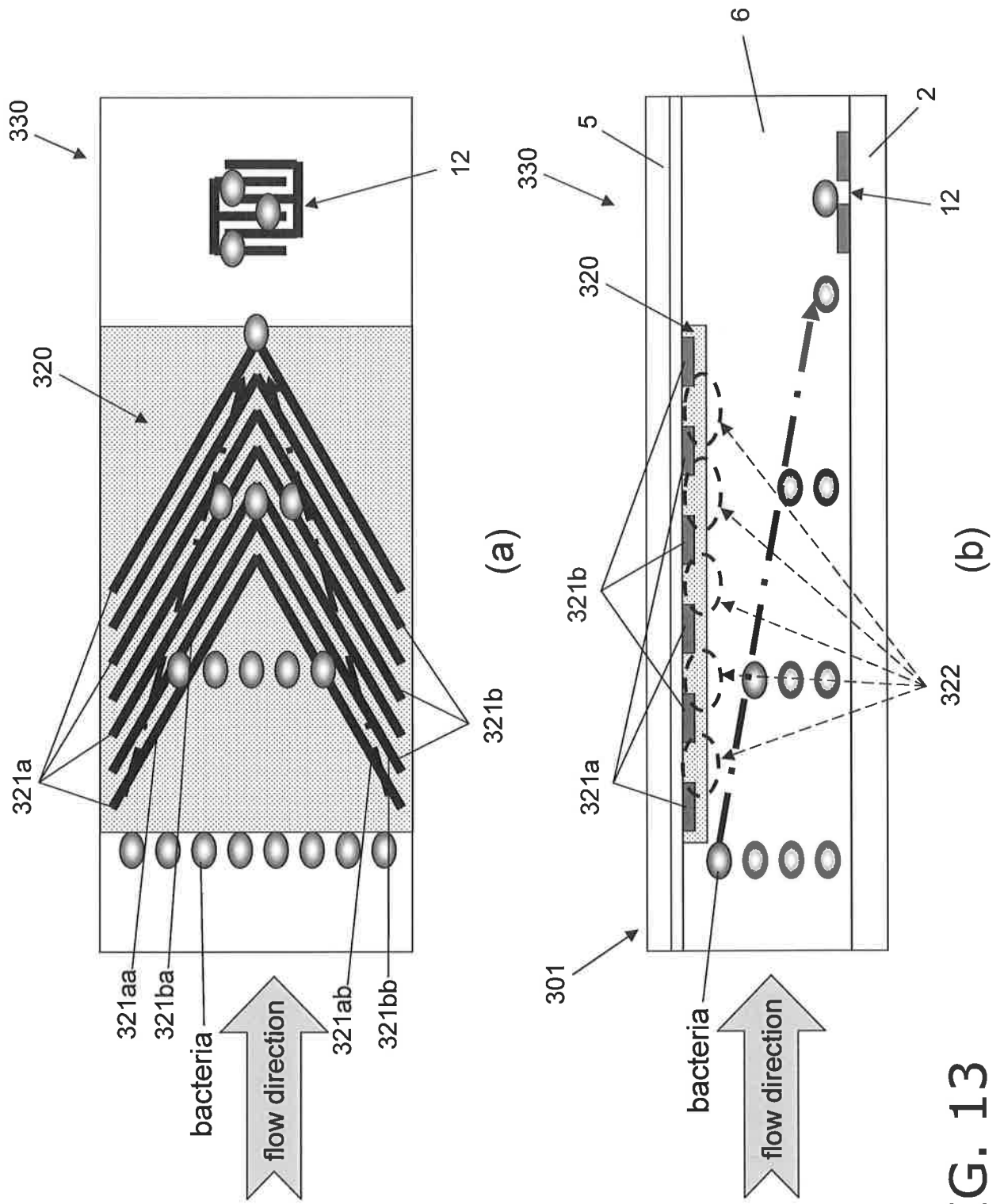


FIG. 13

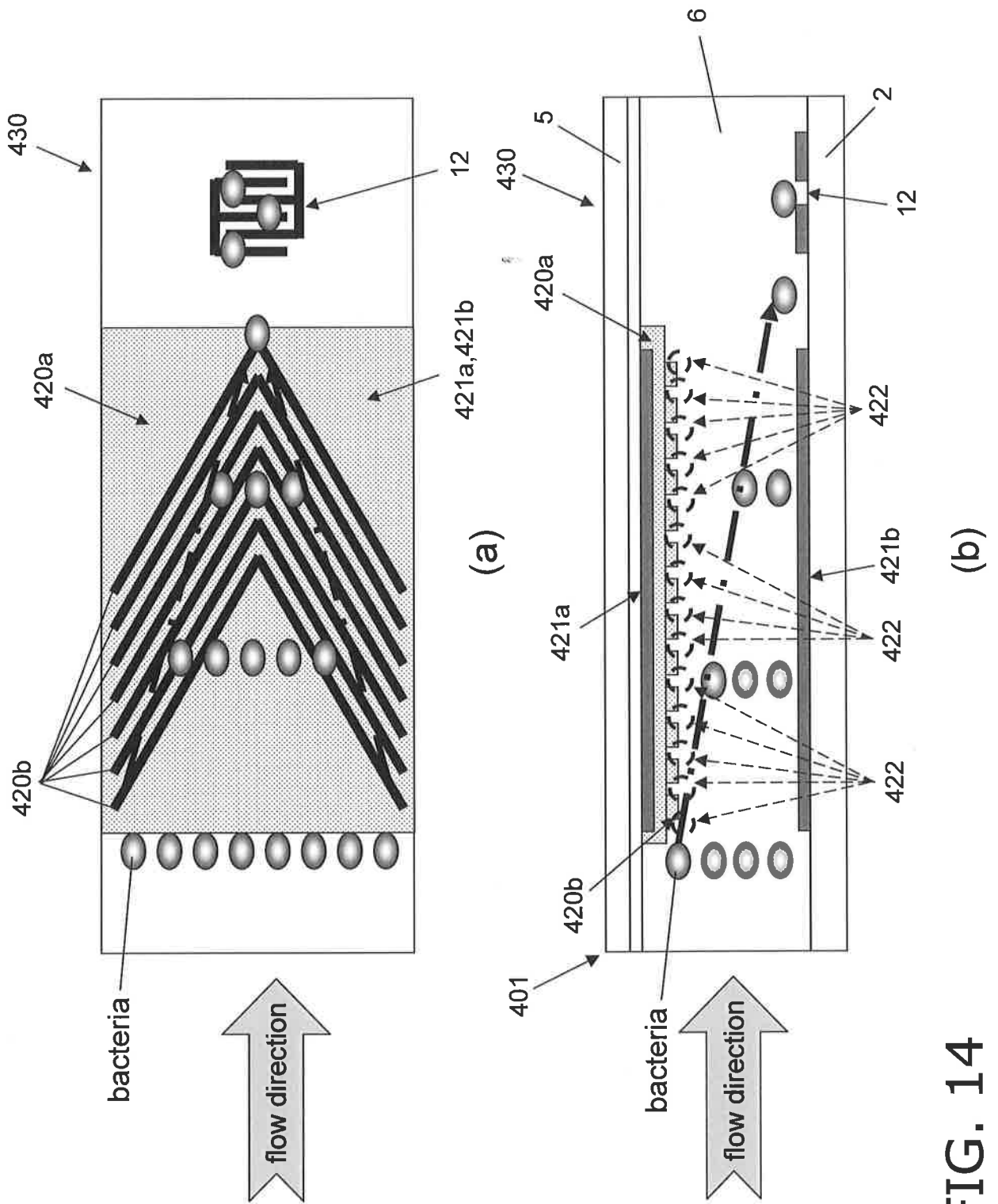


FIG. 14

